



ATENEO DE MANILA  
UNIVERSITY

# UNDERGRADUATE BULLETIN OF INFORMATION

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## MESSAGE FROM THE PRESIDENT of Ateneo de Manila University

On behalf of the Ateneo de Manila University community, I warmly welcome you to the Loyola Schools.


Navigating the university is no longer as easy as it was during my time. My classmates (many of whom are senior citizens now) will be lost on campus today. They will be overwhelmed by the number of students, teachers, courses, departments, offices, buildings, and facilities. I don't want you to be lost and overwhelmed too.

Hence this Undergraduate Bulletin of Information, your guide to all the services of the Ateneo de Manila and, in particular, the Loyola Schools, that are there for you to avail of while you are here with us.

It is also a guide to the "Ateneo Way" of proceeding, our *modo de proceder*, so to speak, that flows from the vision and mission, history, and values which shape our choices and actions. Your time here will be one of the more memorable years of your entire life. We don't want you to spend those years being lost or always finding your way around.

While here then, take this bulletin which we hope will help you make the most out of your years in this mission that is the Ateneo de Manila.

Ad majorem Dei gloriam.

  
Jose Ramon T Villarin SJ  
President



## MESSAGE FROM THE VICE PRESIDENT for the Loyola Schools

Inspired by the values of St. Ignatius of Loyola and the Society of Jesus, the Loyola Schools embodies the tradition of excellence and service that Ateneo de Manila University upholds. Through the Schools' academic programs, scholarly undertakings, and extension work, this tradition continues to flourish, especially as understood in the context of nation-building from a uniquely Filipino and Asian perspective, global competitiveness, and transformative leadership.

The Loyola Schools' undergraduate courses and programs have a solid liberal education foundation and designed to be multidisciplinary and transdisciplinary in approach. They allow you, our undergraduate students, to develop your talents and abilities so that you will grow intellectually, enrich your creative imagination, nurture values that educate your heart, cultivate discernment that informs your decisions, and believe in the power of a Transcendence that will nourish your spirit. We are concerned about your total formation and hope that you develop into outstanding professionals who are not only capable of leading, but also committed to serving. Our trust is that while you become experts in your chosen field, you also become champions for positive transformation in society and acquire the passion to be avid defenders of truth and the common good.

This Undergraduate Bulletin of Information serves as your guide through the different facets of undergraduate education in the Loyola Schools – from admission processes and tuition scholarships, to curricula and course descriptions. It also gives you a broad view of our unique initiatives for curricular development as we continue to carry out the vision and mission of the University in the context of an increasingly complex society.

In the face of adversities that challenge your life in the Loyola Schools, take courage and choose life, always. We are here to help you find joy and hope in your journey.

Ad Majorem Dei Gloriam!

A handwritten signature in cursive script, reading "M. Vilches".

Maria Luz C. Vilches, Ph.D.  
Vice President

*the* ATENEO DE  
MANILA UNIVERSITY  
LOYOLA SCHOOLS

## HISTORY OF THE ATENEO DE MANILA UNIVERSITY

The Ateneo de Manila University traces its roots to 1859 when, at the request of the City of Manila endorsed by Governor Norzagaray, the Jesuits took over the Escuela Municipal in Intramuros, the walled City of Manila. A primary school originally intended for the sons of Spaniards, it was opened by the Jesuits to native Filipinos as well. In 1865, the Jesuits received government approval to add a five-year program leading to the degree of Bachelor of Arts.

In keeping with its new academic status, the school was renamed the Ateneo Municipal de Manila. Among the graduates in those early decades was Jose Protacio Rizal, A.B. 1877.

With the withdrawal of the city subsidy in 1901, the school became a private institution, dropping the word "municipal" from its official title. In 1921, the American Jesuits of the Maryland-New York Province replaced the Spanish Jesuits as teachers and administrators of the Ateneo de Manila.

The Intramuros fire of 1932 completely destroyed the Ateneo de Manila buildings, forcing the school to move to a new location on Padre Faura Street, Ermita. During the battle for the liberation of Manila at the close of World War II, the Padre Faura complex of buildings was razed. After the war, temporary structures were quickly built, but in 1952, the Ateneo de Manila moved to its present spacious campus in Loyola Heights, Quezon City.

In 1958, the Society of Jesus in the Philippines was raised to the status of a full province. Administration of the Ateneo de Manila passed from the New York Province to the Philippine Province of the Society of Jesus, and shortly after, its first Filipino Rector/President was named. Since, the growth of the Ateneo de Manila demanded a new status, the school obtained its charter as a university in 1959.

In 2000, the School of Arts and Sciences of the Ateneo de Manila was restructured into the Loyola Schools comprised of four schools: the School of Humanities, the School of Management, the School of Science and Engineering, and the School of Social Sciences.

Today, the Ateneo de Manila University celebrates 160 years as a Jesuit educational institution in the country. The University comprises the following units of higher education: the School of Humanities (SOH), the John Gokongwei School of Management (JGSOM), the School of Science and Engineering (SOSE), and the School of Social Sciences (SOSS), collectively known as the Loyola Schools (LS); and the Ateneo Graduate School of Business (AGSB), the Ateneo Law School (ALS), the Ateneo School of Government (ASOG), and the Ateneo School of Medicine and Public Health (ASMPH), collectively known as the Ateneo Professional Schools. In addition, like most Philippine universities, it has a basic education unit composed of grade school, junior high school, and senior high school noted for high educational standards. The Loyola Schools, the basic education units, and the ASOG are located on the Loyola Heights campus, along Katipunan Road, Quezon City. The AGSB and ALS are located on the Rockwell campus, Makati City. Finally, the ASMPH is located at the Don Eugenio Lopez, Sr. Medical Complex, Ortigas Avenue, Pasig City.

The University is also home to the Arete, the Ateneo Art Gallery, Ateneo de Manila Institute for the Science and Art of Learning and Teaching (Ateneo SALT Institute), Confucius Institute, Ateneo de Manila University Press, University Research Ethics Office, and social development

centers such as: Ateneo Center for Educational Development (ACED), Ateneo Institute of Sustainability, Gawad Kalinga-Ateneo, and Pathways to Higher Education.

A number of Centers are part of the Loyola Schools. These are the Ateneo Center for English Language Teaching (ACELT), Ateneo Language Learning Center (ALLC), Ateneo Institute of Literary Arts and Practices (AILAP), Ateneo Center for Social Entrepreneurship (ACSENT), Ateneo Family Business Development Center (AFBDC), JGSOM Business Resource Center (JGSOM BRC), Ateneo Innovation Center (AIC), Ateneo Center for Computing Competency and Research (ACCCRe), Ateneo Center for Asian Studies (ACAS), Ateneo Center for Economic Research and Development (ACERD), Asian Center for Journalism at the ADMU (ACFJ), Ateneo Center for Organization Research and Development (Ateneo CORD), Ateneo Teacher Center (ATC), Eugenio Lopez, Jr. Center for Multimedia Communication at the ADMU, the Fr. Jaime C. Bulatao, S.J. Center for Psychology Services (Bulatao Center), the Institute of Philippine Culture (IPC), and the Ateneo Ricardo Leong Center for Chinese Studies (ARLCCS).

## ACCREDITATION AND ASSESSMENT HISTORY

As one of the founding members of the Philippine Accrediting Association of Schools, Colleges, and Universities (PAASCU), the Ateneo de Manila University had its first accreditation in 1957 for its Arts, Sciences, and Management Programs. This was followed with reaccreditation visits in 1960, 1968, 1975, 1983, 1990, 1996, 2003, 2009, and 2017. The Arts and Sciences and Management programs were granted Level III status in 1987, 2003, 2010, and 2018, and Level IV status in 2004 and 2011.

The Computer Science Program, on the other hand, had its first preliminary survey in 1996. This was followed with a formal survey in 1997 and resurvey visits in 2003, 2009, and 2017. The Computer Science program was awarded Level III status in 2005, 2010, and 2018, and Level IV status in 2011.

The Fine Arts Program and the Bachelor of Science in Electronics Engineering Program had their preliminary survey in 2018.

The Graduate Programs in the School of Humanities, School of Science and Engineering, and School of Social Sciences had their preliminary survey in 2006, a formal survey in 2009, and a resurvey in 2014 and in 2019. The Graduate Programs was awarded Level II status in 2014 and in 2019.

The Ateneo de Manila University is a member university of the ASEAN University Network. To date, eight programs of the Loyola Schools have been assessed by the ASEAN University Network-Quality Assurance: Economics, Psychology, Philosophy, Computer Science, Biology, Management Engineering, Applied Mathematics, and Political Science.

## STATUS WITH THE COMMISSION ON HIGHER EDUCATION (CHED)

The Ateneo de Manila University was granted Autonomous Status by the Commission on Higher Education in 2009 and 2016.

In 2015, the CHED awarded to the Ateneo de Manila University eleven Centers of Excellence and six Centers of Development in the following disciplines, which are under the Loyola Schools:

*Centers of Excellence*

Literature (English), Philosophy, Business Administration, Entrepreneurship, Biology, Chemistry, Information Technology, Mathematics, Physics, Psychology, and Sociology

*Centers of Development*

Literature (Filipino), Electronics Engineering, Environmental Science, Communication, History, and Political Science.

## VISION AND MISSION OF THE ATENEO DE MANILA UNIVERSITY

As a University, the Ateneo de Manila seeks to preserve, extend, and communicate truth and apply it to human development and the preservation of the environment.

As a Filipino University, the Ateneo de Manila seeks to identify and enrich Philippine culture and make it its own. Through the education of the whole person and the formation of needed professionals, and through various corporate activities, the University aims to contribute to the development goals of the nation.

As a Catholic University, the Ateneo de Manila seeks to form persons who, following the teachings and example of Christ, will devote their lives to the service of others and, through the promotion of justice, serve especially those who are most in need of help, the poor and the powerless. Loyal to the teachings of the Catholic Church, the University seeks to serve the Faith and to interpret its teachings to modern Philippine society.

As a Jesuit University, the Ateneo de Manila seeks the goals of Jesuit liberal education through the harmonious development of moral and intellectual virtues. Imbued with the Ignatian spirit, the University aims to lead its students to see God in all things and to strive for the greater glory of God and the greater service of mankind.

The University seeks all these, as an academic community, through the exercise of the functions proper to a university, that is, through teaching, research, and service to the community.

# THE STRATEGIC GOALS OF THE ATENEO DE MANILA UNIVERSITY



A strategic plan for the Ateneo de Manila University

“The world is not yet finished. This garden is not yet finished.  
We have to work the earth. Things will not just grow.  
Things need us for them to grow.”

- Jose Ramon T Villarin, SJ President

When the Jesuits arrived in the Philippines in 1859, they were missioned to proceed to Mindanao. Waylaid by political forces, they were instead asked to put up an educational institution in Manila, and thus was born Ateneo de Manila.

This “accidental” mission has now become a premier educational institution in the country and the region. From a small primary school serving Manila's colonial elite, Ateneo has grown into a full-fledged university, an institution with significant contributions and influence, through the work of its students, faculty, and alumni.

But as the world continues to evolve, so must the Ateneo. As we turn 160, we look back to our heritage and history, and at the same time, look towards a complicated yet promising future.

Keeping in mind the challenges of the modern world, and rooted in the spirit of "Lux in Domino," we articulate our goals as one university, which we hope to achieve by 2030. All for the greater glory of God – *ad majorem Dei gloriam*.



## Enhance strategic markers of Jesuit education

Strengthen in our students the markers of a Jesuit education, by nourishing our liberal arts core and continuing the Ignatian tradition of integral formation. Develop new, cutting-edge and relevant curricula and programs, training students to practice transdisciplinarity with an authentic global perspective.



## Strengthen our influence in building the nation and the Asia Pacific region

Influence policy and action as a truly national and global university by establishing social development programs, think tanks, policy centers and research units, commit to engage actively with government and civil society to work for a more humane and just society.



## Increase access to Ateneo education

Establish a more diverse studentry and academic community, strengthen institutional linkages that result in a borderless presence globally, and explore possible new campuses.



## Ensure continuity of university leadership

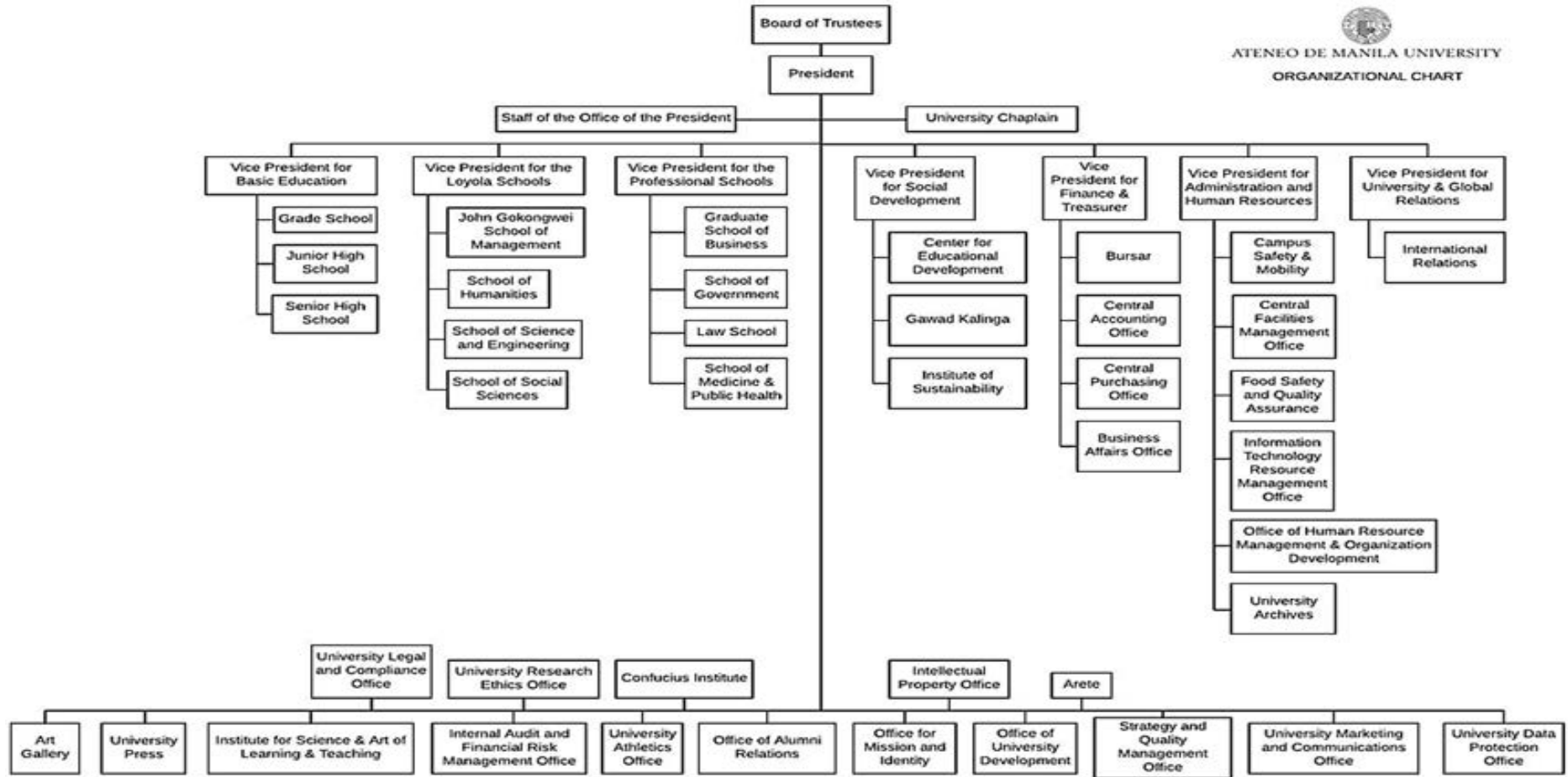
Enrich the continuing formation of administrators, faculty, professionals and staff. Institutionalize a recruitment, retention and succession program, to attract the best people and resources.



## Sharpen the distinct character of Ateneo's educational mission

Distinguish Ateneo as the premier Jesuit educational institution in the Philippines and in Asia.

# UNIVERSITY ORGANIZATIONAL CHART



As of July 2019



# VISION AND MISSION STATEMENTS OF THE LOYOLA SCHOOLS

## LOYOLA SCHOOLS VISION AND MISSION STATEMENT

We are a Filipino, Catholic and Jesuit University that provides a world class, excellent holistic liberal education, multidisciplinary and transdisciplinary in approach.

We form leaders equipped to manage complexity, conflict and change. They are trained to respond with a global perspective and at the same time are rooted in, and culturally sensitive to, diverse local needs and realities. Animated by Ignatian spirituality, they live a life shaped by discernment, learning and action.

We participate with passion in the task of nation building through our teaching, research, outreach, and advocacy. We strive to have a strong impact on national and regional issues by tackling urgent societal problems, promoting cultural dialogue and addressing social inequity.

Through the institutions that we build, the policies and programs that we craft, and the governance that we practice and advocate, we endeavor to build a national and regional presence and reputation for leadership, excellence, and service.

### School of Humanities Vision and Mission Statement

*Vision:* We are a community of educators, scholars, and artists, who are engaged in the critical interpretation and imaginative expression of human experiences. Through these practices, we resist the devaluation of the humanities, affirm the creative human spirit, and commit to a more just and compassionate society.

*Mission:* Our mission is to instill in our students a love of critical learning, an appreciation of our shared humanity, and a desire for ethical stewardship as foundations of discerned social action in the Philippines and the world. We strive for excellence in our teaching, scholarship, and artistic work, and we aim to promote the arts and humanities as vital resources for social transformation.

### John Gokongwei School of Management Vision and Mission Statement

The John Gokongwei School of Management, or JGSOM, is a regionally recognized center of excellence and leadership in business education.

We shape our students into business leaders who are equipped to respond to the needs of tomorrow's world:

- Young men and women who are global in perspective and interdisciplinary in approach, technically proficient and analytical, yet humanistic and people-oriented
- Achievers guided by a strong set of core values, eager and able to provide ethical and principle-centered leadership
- Young professionals and entrepreneurs motivated by the spirit of *magis* or excellence, inflamed by the passion to make a difference, wherever their lives may take them.

We contribute to the development of undergraduate business education in the country by offering innovative management programs that are responsive to the needs of a business community that must operate within a fast-changing and technology-driven world:

- Programs that are characterized by a strong liberal arts core curriculum, overlaid with a business curriculum that will give our students a broad-based perspective of the management challenge
- Programs that combine the rigors of academic learning with experiential learning, to provide a much more student-oriented experience

We forge partnerships and actively collaborate with business organizations and professional associations to influence management practice as well as policy on business and economic affairs, thereby contributing to national economic development.

#### School of Science and Engineering Vision and Mission Statement

*Vision:* The Ateneo School of Science and Engineering (SOSE) is a globally recognized leader in science, technology, engineering, and mathematics (STEM) education and multidimensional research that serves Philippine society while engaging the world.

*Mission:* SOSE is a community of educators, learners, and leaders that advances excellence through the pursuit of truth, grounded in sound scientific principles. Guided by Ignatian core values, SOSE drives sustainable and inclusive national development through education, research, innovation, and social engagement.

#### School of Social Sciences Vision and Mission Statement

*Vision:* The School of Social Sciences, Ateneo de Manila University, is a leading academic institution of the social sciences in Asia and the Pacific that forms individuals who are competent, ethical, and responsive to local and global social realities.

*Mission:* The School of Social Sciences, Ateneo de Manila University, through multidisciplinary teaching, research, creative work, and outreach initiatives, equips individuals and communities with perspectives and skills for local, national, and global transformation, in the Jesuit tradition of excellence, service, and the promotion of justice.

## STRATEGIC THRUSTS OF THE LOYOLA SCHOOLS

The strategic plan of the Ateneo de Manila University – AMDG 2030 – indicates the thrust on leadership as overriding and defines the scope as Asia-Pacific. The LS Schools articulates these thrusts in relation to their own contexts and disciplinal areas.

- a. *Overall Thrust of the Loyola Schools:* To be regionally recognized as a center of excellence in the study of selected fields and in issues of interest or concern in Asia-Pacific, one with a strong and active contribution to the development of an equitable, just, and peaceful region.

- b. *Thrust of the School of Humanities:* Conscientious and creative leadership in culture and the arts for a just society
- c. *Thrust of the John Gokongwei School of Management:* Business leadership that emboldens stewardship, sustainability, and transformative service
- d. *Thrust of the School of Science and Engineering:* Innovative leadership in science and technology in response to social, environmental, and health challenges
- e. *Thrust of the School of Social Sciences:* Transformative leadership in service towards inclusive societal and human development

## LOYOLA SCHOOLS STRATEGIC GOALS FOR AMDG 2030

UNIVERSITY GOALS	LOYOLA SCHOOLS GOALS	
	WHAT WE WILL DO	PERFORMANCE INDICATORS
<b>GOAL 1:</b> <b><i>Enhance strategic markers of Jesuit education</i></b>	<p><i>Curriculum</i> Offer new cutting-edge and relevant interdisciplinary courses, internships, and programs that nourish Ignatian educational tradition, integral formation, and liberal education.</p> <p><i>Service Learning</i> Expand learning and research experiences for our students, exposing them to real social challenges and enabling them to be persons for and with others.</p>	<ul style="list-style-type: none"> <li>• Continued strong demand for niche programs to meet current and emerging needs</li> <li>• Improved curriculum based on stakeholder demand and feedback</li> <li>• Sustained high student satisfaction with core, interdisciplinary, and service learning courses</li> <li>• Delivered service learning courses in all programs through sustained community partnerships</li> <li>• Increased access to internationalization opportunities</li> </ul>
<b>GOAL 2:</b> <b><i>Broaden our influence in building the nation and the Asia Pacific region</i></b>	<p><i>Teacher Education</i> Strengthen teacher education programs.</p> <p><i>Research &amp; Extension</i> Sharpen intellectual leadership through research and extension in priority areas.</p> <p><i>External Stakeholder Engagement</i> Cultivate deeper collaboration and engagement with external stakeholders in ensuring curriculum innovation and relevance.</p> <p><i>Thought Leaders/Public Intellectuals</i> Create a platform for projecting thought leaders/ intellectuals.</p>	<ul style="list-style-type: none"> <li>• Increased leadership positions in various sectors of society among faculty and alumni</li> <li>• Increased capacity of mentors to train other teachers</li> <li>• Increased satisfaction rate of external stakeholders</li> <li>• Increased visibility of Ateneo thought leaders/public intellectuals</li> <li>• Enabled extension partners</li> <li>• Sustained increase in research output</li> </ul>

<p><b>GOAL 3:</b> <i>Increase access to Ateneo education</i></p>	<p><i>Program &amp; Course Delivery</i> Develop alternative modalities in program and course delivery.</p> <p><i>Scholarship</i> Expand scholarship opportunities to increase diversity.</p> <p><i>Campus Expansion</i> Initiate broad based discussion of new campuses.</p>	<ul style="list-style-type: none"> <li>• Established a common platform and protocols for online programs and courses</li> <li>• Expanded off-shore programs with other Ateneos and other HEIs</li> <li>• Increased student diversity due to scholarship</li> <li>• Active participation in discussion on campus expansion</li> </ul>
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UNIVERSITY GOALS	LOYOLA SCHOOLS GOALS	
	WHAT WE WILL DO	PERFORMANCE INDICATORS
<p><b>GOAL 4:</b> <i>Strengthen university leadership</i></p>	<p><i>Governance: Workforce Planning</i> Develop a comprehensive five-year Loyola Schools workforce plan that is focused upon research strengths, diversity, and management of generational change.</p> <p><i>Succession &amp; Mentoring</i> Strengthen governance, succession, and mentoring structures.</p> <p><i>Continuing Formation</i> Deepen formation in professional practice, Ignatian spirituality, and Ignatian leadership.</p>	<ul style="list-style-type: none"> <li>• Improved efficiency of governance structures through: <ul style="list-style-type: none"> <li>○ A review of all governance processes and committee structures leading to effective, timely, and transparent decision-making</li> <li>○ Continuous stakeholder feedback to ensure responsive and effective delivery of services</li> <li>○ A comprehensive five- year LS Workforce Plan</li> </ul> </li> <li>• Formulated leadership succession plan at each level of administration</li> <li>• Deliberate identification of mentors/mentees and implementation of the mentoring scheme</li> <li>• Expanded access to integrated formation programs for Ignatian teaching: <ul style="list-style-type: none"> <li>○ Ignatian Pedagogical Paradigm</li> <li>○ Ignatian Spirituality</li> <li>○ Ignatian Leadership</li> </ul> </li> </ul>
<p><b>GOAL 5:</b> <i>Sharpen the distinct character of Ateneo’s educational mission</i></p>	<p><i>Synergy</i> Synergize efforts at achieving AMDG 2030 Goals 1 to 4 by continuous mentoring, evaluation, and improvement.</p>	<ul style="list-style-type: none"> <li>• Recognition as an Ignatian Higher Education Institution</li> <li>• Ranked in Times Higher Education <ul style="list-style-type: none"> <li>○ Research</li> <li>○ Impact</li> <li>○ Teaching</li> </ul> </li> <li>• Ranked in Quacquarelli Symonds</li> <li>• Sustained PAASCU accreditation</li> <li>• Expanded AUN Program Assessment</li> <li>• Passed AUN Institutional Assessment</li> </ul>

- |  |  |  |
|--|--|--|
|  |  | <ul style="list-style-type: none"> <li>• Inclusion of Professional and Programmatic accrediting organizations (outside of PAASCU)</li> </ul> |
|--|--|--|

## THE GOVERNMENT OF THE LOYOLA SCHOOLS

The *Loyola Schools*, namely the School of Humanities, the John Gokongwei School of Management, the School of Science and Engineering, and the School of Social Sciences, operate under the Statutes of the University and the By-Laws of the Loyola Schools, and are subject to the government of the University: the Board of Trustees and the officers of the University Administration of which the President is the Chief Executive.

The *School Council* has co-deliberative powers with the Vice President for the Loyola Schools regarding basic academic policy of the Loyola Schools, in accordance with general University policy. Decisions of the Council are subject to approval or revision by the University Board of Trustees in accordance with Philippine Corporation Law.

The *School Forum* is the assembly of faculty members and administrators of the Loyola Schools. It meets to present and discuss all significant matters affecting the Loyola Schools before these are deliberated on by the School Council.

The Vice President for the Loyola Schools (VPLS) serves as the academic leader and chief operating officer of the Loyola Schools while the Deans perform the academic administration of their respective Schools, with each School composed of departments, programs, and centers. The VPLS and the Deans are responsible for policy execution, for the enunciation and achievement of the educational goals of the Loyola Schools, and for coordination of the work of the different departments in the Loyola Schools.

Several administrative officers assist the Vice President for the Loyola Schools:

The *Department Chairs/Program Directors* oversee the academic, faculty, staff, and student-related processes of a department or program office.

The *Associate Dean for Academic Affairs* takes care of the academic welfare of undergraduate students and oversees the implementation of the academic regulations of the school. The ADAA guides the review of proposals for new/revised undergraduate and graduate courses and programs, and their subsequent evaluation by the Committee on Curriculum.

The *Associate Dean for the Core Curriculum* oversees the overall framework, implementation, and evaluation of the core curriculum, the development of the content and methodologies of the core courses, the choice and formation of faculty teaching these courses, and the links with the Integrated Ateneo Formation (InAF) program and the major curricula, in order to foster integral, interdisciplinary and Ignatian formation.

The *Associate Dean for Graduate Programs* takes care of the academic welfare of graduate students and oversees the implementation of the academic regulations of the graduate school of the Loyola Schools. The ADGP guides the review of proposals for new/revised graduate courses and programs, and their subsequent evaluation by the Committee on Curriculum.

The *Associate Dean for Research and Creative Work* oversees and implements the research and creative work agenda of the Loyola Schools and the University Research Council. The ADRCW is responsible for implementing mechanisms that support faculty scholarly work and publications. The ADRCW promotes and nurtures a framework and culture of research, creative work and innovation; evaluates faculty members in scholarly work and oversees the award systems and other research incentives in the Loyola Schools.

The *Associate Dean for Student and Administrative Services* supervises the administration of offices that provide different developmental programs and services to the student body, as well as administrative services to the Loyola Schools community. The ADSAS oversees the administrative offices under the student and administrative services cluster (SASC). The offices in the Student and Administrative Services Cluster supervised by the Associate Dean for Student and Administrative Services are headed by the following administrators:

The *Director of the Office for Student Services* manages and coordinates the effective and expedient delivery of services to Loyola Schools students by interfacing with other University Service offices and internal as well as external stakeholders. Such services include the promotion of the Loyola Schools students' welfare, safety, security & mobility

The *Director of Office of Facilities and Sustainability* is responsible for managing and maintaining existing facilities (e.g. equipment, property), implementing and monitoring the execution of construction and renovation projects, and the management of safety & security of Loyola Schools complex.

The *Director of Office of Guidance and Counselling* implements directions of the Loyola Schools as regards Guidance and Counseling and related student formation, as articulated by the School Council, the Vice President's Council, the University President, and/or the Board of Trustees and coordinates with other offices involved in the delivery of services addressing mental health, student safety, and well-being.

The *Director of the Office of Health Services* oversees the administration of acute care (infirmery) services, health awareness and education programs, risk and resiliency assessment, issue-specific interventions, case management, and the Collaborative Anti-Drug Abuse Program.

The *Director of Office of the Office of Management Information Systems* is responsible for managing, developing, and maintaining the information systems of the Loyola Schools, ensuring that all information systems needs of its population are met in coordination with the Information Technology Management Office.

The *Director of the Loyola Schools Bookstore* is responsible for managing and maintaining the bookstore to serve the needs of the community ensuring that the bookstore is adequately and properly stocked and is able to provide necessary services.

The *Associate Dean for Student Formation* supervises the administration of offices that are responsible for carrying out the student formation programs of the Loyola Schools. The offices in the Student Formation Cluster supervised by the Associate Dean for Student Formation are headed by the following administrators:

The *Director of Office for Social Concern and Involvement* implements directions of the Loyola Schools with regard to the Integrated Ateneo Formation Program and special formation programs and activities, and coordinates with other departments, offices, and partners involved in the formation of Loyola Schools Students.

The *Director of Office of Campus Ministry* implements directions of the Loyola Schools as regards the promotion of the spiritual well-being of the Loyola Schools population as well as the promotion of the Loyola School's Catholic and Jesuit identity through the delivery of its liturgical and spiritual formation activities in coordination with other offices.

The *Coordinator for College Athletics* implements sports programs of the Loyola Schools in coordination with the University Athletics as well as supports and plans for the development of non-university teams or those not supported by the university athletics. It provides support for all athletic needs of the Loyola Schools, including campus sports activities.

The *Director of Office of the Office of Placement and Career Services* implements programs for the career development and placement of students of the Loyola Schools. S/he oversees the design and implementation of activities and projects that assist Loyola Schools students in discerning their career paths and their placement in their future vocations and internships, as well as in research that will guide in the assessment of employment opportunities, employer preferences, and tracking alumni placement to assist in the planning of relevant programs in the Loyola Schools.

The *Director of Office of the Office of Student Activities* implements directions of the Loyola Schools with regard to the promotion of student activities, the formation of student leaders and organizations, and the development of programs to ensure that students have the opportunity to develop their talents in extra-curricular activities.

The *Director of the Office of Student Discipline* ensures due process and due diligence in the processing of all student-related disciplinary complaints, and the integrity and correct application of the Student Code of Conduct

The *Director of the Physical Education Program* oversees the overall management of the program in the following areas: PE course offerings; faculty load, performance, and development; office staff performance and development; PE facilities use, maintenance, and improvement; and budget and finances, with the objective of encouraging wellness and contributing to the formation of the students and the community.

The *Coordinator of Reserve Officers Training Corps- Citizen's Military Training* implements the Citizen's Military Training program and moderates the Reserve Officers Training Corp in accordance with the principles of the Loyola Schools and in agreement with the directives and guidelines of the affiliated Armed Forces Unit and in coordination with the INAF program

The *Director of the Office of Admission and Aid* directs the recruitment and admission of new students to the undergraduate programs and administers the financial and scholarship program for undergraduate students.

The *Director of the Residence Halls* implements policies pertaining to management of the Residence Halls Works towards the fulfilment of the vision, mission, and goals of the Residence Hall.

The *School Registrar* streamlines and harmonizes operations at the Loyola Schools Registrar's Office by (1) maintaining the integrity and preservation of all student records (grades, citations, etc.) and scholastic documents (transcripts, transfer credentials, etc.), (2) serving as resource person for the Loyola Schools (LS) community for administrative policies and procedures especially those connected to registration, records management, and scholastic documents (3) conceptualizing and implementing reforms for the aforementioned policies and procedures, (4) ensuring that procedures are automated.

The *Director of the Rizal Library* (RL) serves as the chief librarian and manager of the library. The Director implements the directions of the Loyola Schools regarding the acquisition, preservation, and use of learning resources for students, faculty members, and non-teaching personnel to facilitate learning.

The *Director of Quality Assurance* ensures the Loyola Schools' compliance with the school's academic and non-academic standards and with the directives or policy recommendations of regulatory and accreditation bodies namely, the Commission on Higher Education (CHED), the Philippine Accrediting Association of Schools, Colleges, and Universities (PAASCU), and the ASEAN University Network (AUN).

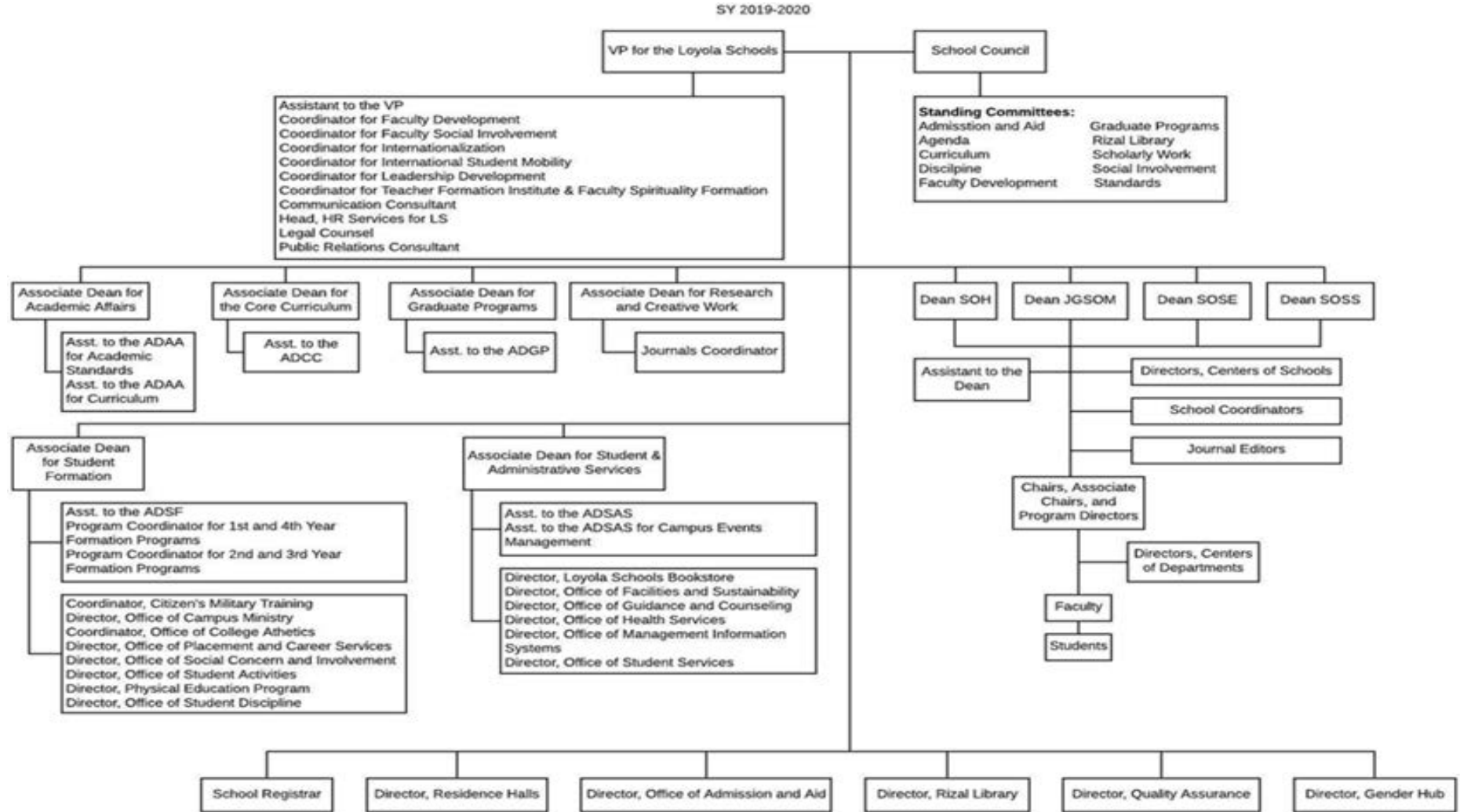
The *Director of the Gender Hub* implements the programs and protocols of the Loyola Schools in safeguarding the dignity and human rights of all members of the Loyola Schools community.

The *Head of the Human Resource Services* for the Loyola Schools (HRS) supports the VPLS in the personnel needs of the Loyola Schools by providing administrative support for human resource needs including organizational development and support, as well as policy formulation.

The Loyola Schools *Legal Counsel* provides legal advice to the office of the VPLS with regard to the school's governance, its operations and transactions, representation, and support with regard to the school's legal compliance including the design for the training of personnel to realize this goal.



# LOYOLA SCHOOLS ORGANIZATIONAL CHART



UNDERGRADUATE EDUCATION  
*in the* ATENEO DE MANILA  
LOYOLA SCHOOLS

## EDUCATIONAL PHILOSOPHY OF THE LOYOLA SCHOOLS

The Ateneo de Manila as a Jesuit university is inspired by St. Ignatius' deep experience of a loving God who acts in the life of every human person and the whole of creation. He calls people to service despite their weaknesses, and forms them individually and as a community for this purpose.

Thus education grounded in the liberal arts is an institutional way to help students find God and their mission in life through encounters with the mystery and meaning of human life whose model and fullness is Jesus Christ.

Ateneo de Manila education fosters human excellence, weaving together the core curriculum, major disciplinary fields, and co-curricular programs to provide students with both specialized professional training and holistic formation of character. It is an education that seeks to develop intellectual depth, enhance creative imagination, deepen social involvement, and nurture spiritual maturity.

The integral, interdisciplinary, and Ignatian formation that cares for each individual and shapes the whole person is an invitation and preparation for Ateneo students to become persons for and with others – persons of conscience, competence, compassion, and commitment.

Ateneo education aims to form students as life-long learners who are able to discover and fulfill their distinctive calling and mission. The times call for leaders who are globally attuned but also deeply rooted in local needs and aspirations, especially of the poor and marginalized. A particular challenge in the Philippines is to form leaders who are culturally connected with the majority of Filipinos, and who have a strong commitment to upholding human dignity, public accountability, and the common good.

The Ateneo hopes that its graduates will become engaged citizens and transformative leaders who freely, gratefully, and actively commit themselves to a life of service – inspired by a faith and spirituality that promote justice and mercy, and facilitate healing and reconciliation.

### THE IDEAL ATENELO DE MANILA GRADUATE



Consistent with the identity and mission of the Ateneo de Manila, and in the face of contemporary challenges in the world and Philippine society, the Loyola Schools seeks to form Christ-centered leaders of discernment, learning, and action – persons for and with others who, grounded in Ignatian spirituality, engage the world using their competences and the lens of integral and sustainable development. The ideal Ateneo de Manila graduate is a person of:

## 1. CONSCIENCE

Develops the self and deepens self-awareness continuously as a life-long learner in the context of a community

- Exemplifies resourcefulness, creativity, respect and appreciation for rigor, scholarship, and love of learning
- Manages the self in diverse contexts – private and public – while being aware of one's strengths, limitations, and role in society
- Demonstrates the capacity to discern the rightness and goodness of one's thoughts and actions, guided by an inner sense of purpose and a deep awareness of one's gifts and weaknesses

## 2. COMPETENCE

Uses a scientific spirit, creative imagination, an integral and sustainable development perspective, and Christian values in becoming a leader and agent of change

- Uses technical competencies, understanding of complexity, appreciation of local conditions, and global and sustainable development perspectives in analyzing contexts, solving problems, and making decisions
- Reflects and acts with sensitivity, reason, and faith – consistent with Christian values that respect and recognize diverse creeds and spiritualities
- Leads with passion, a sense of purpose, and critical intelligence, innovates in one's area of expertise, and in the process, facilitates dialogue and resolution of conflicts, and engages others

## 3. COMPASSION

Engages the world while critically rooted in local sensibilities, local and global cultures, and social realities

- Critically evaluates how local history and conditions, contemporary events, and the Filipino heritage, in all its dimensions, shape the Filipino identity
- Participates proactively and productively in national and global discourses, while remaining rooted in local culture and local social conditions
- Participates in a global exchange of experiences to contribute to national and global development
- Engages in productive dialogues with people from different cultures and different faiths

## 4. COMMITMENT

Develops a vision of personal and structural transformation, grounded in an awareness of the signs of the times and in Ignatian spirituality that is strongly oriented to faith and justice

- Works with others to create a just and hopeful vision of the future, proceeding with integrity and conviction towards personal, structural, and institutional transformation grounded in Ignatian spirituality
- Translates one's sense of service to involvement in the renewal of the Church and of society, especially work with the marginalized, at the frontiers or the peripheries
- Reaches out with compassion to others as a result of a discerning spirit that comes from an awareness of one's own woundedness and the joy and hope that comes from a personal encounter with a merciful God

## THE FRAMEWORK OF THE LOYOLA SCHOOLS CURRICULA

Beginning in 2014, the Loyola Schools undertook a comprehensive curricular review which led to the development and implementation of new core, major, and co-curricula in School Year 2018-2019. Considered a milestone contribution to the strategic goal of nation building, the K-12 national reform and the changes in the General Education curriculum of the Commission on Higher Education (CHED) were an impetus for this major curricular review. The Loyola Schools also addressed the shift to an outcomes-based education, and the move towards global qualifications frameworks that try to make educational qualifications more comparable across countries.

While responding to these external challenges, the revisions in the Loyola Schools curricula ensured that the Ignatian vision of forming Christ-centered leaders – persons of conscience, competence, compassion, and commitment was explicitly articulated and pursued in the curricula. As former Jesuit Superiors General Peter Hans Kolvenbach and Adolfo Nicolas have articulated, these ‘4Cs’ “express the ‘human excellence’ that the Society of Jesus wants for the youth who society has entrusted to us”.<sup>1</sup>

The review process and the new curricula that emerged from it were ultimately a reaffirmation of the Ateneo’s identity as a Jesuit institution and what that means in the kind of education the University offers its students. This process paved the way for conversations and collaboration among internal and external stakeholders, within and across disciplines. It was a communal reflection that resulted in a distinct framework that explicates four stages in the formation of the ideal Ateneo graduate:

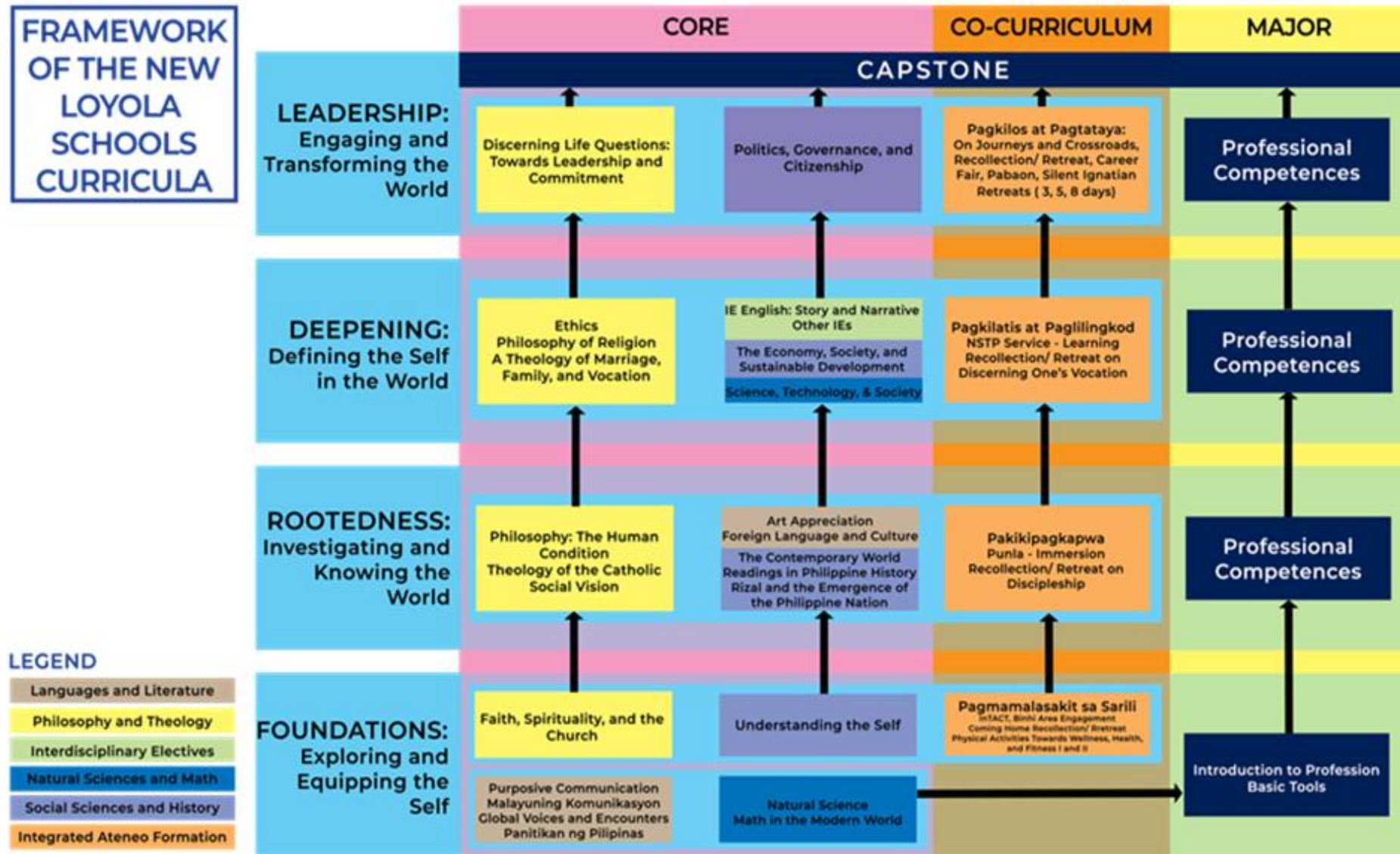
- 1) Foundations: Exploring and Equipping the Self
- 2) Rootedness: Investigating and Knowing the World
- 3) Deepening: Defining the Self in the World, and
- 4) Leadership: Engaging and Transforming the World

Each part of the framework is based on a horizontal and vertical sequencing of courses that aims to facilitate integrated learning. It builds on the students’ knowledge, skills, and orientation gained in the core, major, and co-curricula at each level of their educational experience so that the content, pedagogy, assessment, and overall progress in learning imbue students with both rigorous disciplinary training and holistic formation. The framework reflects an education that is integral, interdisciplinary, and Ignatian – one that seeks to develop intellectual depth, enhance creative imagination, deepen social involvement, and nurture spiritual maturity. It is intended to form students as life-long learners who are able to discover and fulfill their distinctive calling and mission. In a world with much suffering and division, the Ateneo hopes that its graduates will become transformative leaders – committed agents of reconciliation and justice in their chosen professional fields.

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<sup>1</sup> Nicolas, Adolfo. 2013. “Jesuit Alumni and their Social Responsibility: The Quest for a Better Future for Humanity. What Does it Mean to be a Believer Today?” Colegio San Ignacio de Medellin, Colombia, August 15, 2013, p. 4.

**FRAMEWORK OF THE NEW LOYOLA SCHOOLS CURRICULA**



## INTEGRAL FORMATION IN THE ATENEO CURRICULA



In line with the University's overarching vision and mission, the Loyola Schools offers undergraduate academic programs which have three components: the core curriculum, the major curriculum, and the co-curriculum. The core curriculum, which is essentially the same for all students, constitutes an integrated program that the Ateneo conceives to be a truly liberal education. The major curriculum comprises subjects in a wide range of fields of specialization that are carefully selected and regularly reviewed to provide students with the best preparation for their chosen career. The co-curriculum or the Integrated Ateneo Formation Program (InAF) seeks to provide students with opportunities that can help develop and integrate the personal, academic, socio-cultural, and spiritual dimensions that comprise the personhood of each student.

### THE CORE CURRICULUM

The Ateneo de Manila University core curriculum has been formally in place since the 1950s. While reviews and revisions were undertaken in the 1970s and 1980s, it was in 1994-1996 that a major overhaul was initiated. This was spurred by the need for a re-articulation of the ideal Ateneo graduate in the context of a rapidly changing world at the threshold of a new millennium. The core curriculum review was also undertaken in the context of the expected growth of what was then known as the School of Arts and Sciences – the School that was soon after refashioned as the Loyola Schools.<sup>2</sup> This revised core curriculum was implemented beginning School Year 1998-1999.

In 2016, after a thorough review process and several consultations, the Loyola Schools and the Board of Trustees approved a new core curriculum that was implemented beginning School Year 2018-2019. The core curriculum that had been in place for 20 years was revised in the face of contemporary challenges in the world and Philippine society and in light of directions in Jesuit and Catholic higher education. The implementation of a comprehensive educational reform in the country – through the K-12 basic education system and the revision of the CHED General Education (GE) curriculum – was also a direct catalyst for undertaking this major change in the core curriculum.

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<sup>2</sup> Ruiz, Mari-Jo P. 2011. "The School of Arts and Sciences Core Curriculum Review: 1994 – 1998." In *Defining Filipino Leadership*, ed. Ma. Assunta C. Cuyegkeng and Antonette Palma-Angeles, 108-114. Quezon City: Ateneo de Manila University Press.

### *The K-12 Basic Education Reform and the New CHED GE Curriculum*

One of the consequences of globalization is the shift to an outcomes-based education and the move towards qualifications frameworks that are used to compare educational qualifications across countries. Because the Philippines was the only country in the ASEAN where basic education was less than 12 years, the country was faced with a real danger that its undergraduate degrees will no longer be recognized outside the Philippines. Thus, a further impetus to the review of the core curriculum was the reform of the country's basic educational system. Mandated by law, the reform involves the addition of two more years of high school.

With the introduction of Senior High School, it became necessary for the Commission on Higher Education (CHED) to review the GE curriculum that it requires of all higher education institutions because certain courses in the CHED GE curriculum overlap with courses in Grades 11-12. In 2013, CHED issued Memorandum Order No. 20 reducing its General Education requirements from 63 (GEC-A)/51 (GEC-B) units to 36 units. All higher education institutions were expected to implement this new CHED GE curriculum by School Year 2018-2019.

The new CHED GE curriculum is composed of the following:

Understanding the Self	3 units
Life and Works of Rizal (mandated by law)	3 units
Readings in Philippine History	3 units
The Contemporary World	3 units
Mathematics in the Modern World	3 units
Purposive Communication	3 units
Art Appreciation	3 units
Science, Technology and Society	3 units
Ethics	3 units
Interdisciplinary Electives (3 courses)	9 units
<b>Total</b>	<b>36 units</b>

The challenge was to revise the core curriculum, in a manner that remained true to the identity of the Ateneo de Manila as a Filipino, Catholic, and Jesuit university, while incorporating the new General Education requirements of CHED. The Loyola Schools did not adjust the core to the CHED GE curriculum. It was the CHED GE curriculum which was adapted and fitted into the LS core curriculum. In fact, the Ateneo uses the term “core” rather than “GE” in its curriculum, following the distinction that Jesuit and Catholic schools often make between the two:

“Core” carries the connotation of being more directly related to institutional mission and heritage, and often is a smaller, more integrated set of courses, especially at faith-based institutions. “General education” tends to be associated with acquisition of basic or foundational skills and less connected to values and identity. “General education” often is structured around distribution requirements that allow students considerable choice.<sup>3</sup>

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<sup>3</sup> Killen, Patricia O’Connell. 2015. “Reflections on Core Curriculum, Mission, and Catholic Identity in Our Time.” *Journal of Catholic Higher Education* 34(1): 78.



## *Principles Underlying the Core Curriculum*

This distinction between the core and the GE points to “the importance of the curriculum as the primary vehicle for the mission” of a Jesuit school. This notion is perhaps the “most significant contribution to [Jesuit] educational tradition” of the *Ratio Studiorum*.<sup>4</sup> First published in 1599 after about half a century of Jesuit involvement in formal education, the Ratio was a plan of studies (i.e., a curriculum), organized as a series of rules covering all aspects of the Jesuit educational enterprise. The Ratio was a response to the need to systematize what had become a primary apostolate of the Jesuits beginning in 1548 – eight years after the founding of the order. The eminent Jesuit historian John O’Malley has pointed out that when Jesuits established institutions of higher education, they sought to combine the objectives of two school systems which were already present during their time: both the search for truth and the provision of professional training which was the traditional goal of universities (*veritas*); and the formation of leaders and persons of character who would promote the common good which was the objective of the humanistic schools of the Renaissance (*pietas*).<sup>5</sup> While the Ratio and the context of its emergence in the Renaissance are obviously no longer directly applicable to twenty-first century Jesuit educational institutions, much of the core curriculum today – in terms of what the Ateneo wants students to learn, when, how to do so, and why – find inspiration in what Ignatius and the first Jesuits saw as the distinctive contribution of the educational apostolate to the larger mission of *Christianitas*. The first Jesuits saw schools as an institutional way to help people encounter Christ in their lives and in the world through a process of integral formation, and with God’s grace, find the interior freedom to make life-giving and life-affirming choices that will benefit society.

As former Superior General Fr. Pedro Arrupe said, “If our operation of the school flows out of the strengths drawn from our specific charism, if we emphasize our essential characteristics and our basic options, then the education which our students receive should give them a certain Ignacianidad... Our responsibility is to provide to our schools what we believe God and the Church ask of us”.<sup>6</sup> At the formal inauguration of the International Association of Jesuit Universities (IAJU) in Loyola, Spain in July 2018, Jesuit Superior General Fr. Arturo Sosa said:

For the university institutions run by the Society of Jesus it is not enough to reach the intellectual depth to develop knowledge and transmit it as an element of overall human education. The real challenge is that it should be an apostolate, that is, a way to more effectively announce the Good News of the Gospel, to learn to grasp the presence of God in the world and the action of his Spirit in history in order to join it and contribute to human liberation.<sup>7</sup>

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<sup>4</sup> Pavur, Claude, S.J. 2010. “The Curriculum Carries the Mission: The Ratio Studiorum, the Making of Jesuit Education, and the Making of the Society of Jesus. *New Jesuit Review* 2(5).

<sup>5</sup> O’Malley, S.J. John W. 2000. “How the First Jesuits Became Involved in Education” In *The Jesuit Ratio Studiorum: 400th Anniversary Perspectives*, ed. Vincent J. Duminuco S.J. New York: Fordham University Press.

<sup>6</sup> International Commission on the Apostolate of Jesuit Education. 2005. *Go Forth and Teach: The Characteristics of Jesuit Education*, N.p.: Jesuit Secondary Education Association. Item #16.

<sup>7</sup> Sosa, Arturo. 2018. “The University as a Source of a Reconciled Life: Address at the World Meeting of Universities Entrusted to the Society of Jesus,” Basilica of St. Ignatius of Loyola, July 11, 2018, p. 4.

In carrying out this intellectual apostolate, “Jesuit education has sought to educate ‘the whole person’ intellectually and professionally, psychologically, morally and spiritually”<sup>8</sup> as former Superior General Fr. Peter Hans Kolvenbach has also stressed. Ateneo education has therefore never been solely about professional competence. It is about the larger goal of the integral formation of persons for and with others. This education

involves the development of competence or expertise in a chosen field (i.e., excellence) and the formation of character (e.g., service or social formation, spirituality, leadership). This person-centered formation is often described as the formation of “men and women for others”. The formation is directed at the whole person and is thus integral in stress and orientation insofar as it considers the multifaceted richness of the entire person. The method of integral formation uses the Jesuit pedagogical system and framework, which builds on the foundational role of the liberal arts (including philosophy and theology), the sciences and technology, and other disciplines that constitute what is termed as the core curriculum.<sup>9</sup>

### *Program Structure and Learning Outcomes of the Core Curriculum*

The world-affirming nature of Ignatian spirituality which seeks “God in all things” – a God who reconciles with, engages, and transforms human beings and human history in the person of Jesus Christ – has translated over the years into the primacy of the liberal arts in Jesuit education. It is the hallmark of the Ateneo de Manila and is often summed up as *eloquentia, sapientia, et humanitas*. However, it is not enough to say that Ateneo education has a liberal arts orientation. That, by itself, does not make Ateneo education, “Jesuit”. As noted earlier, the core curriculum is not to be equated with general education, i.e., subjects providing basic skills or introductory courses in the disciplines. Neither is the core curriculum simply a set of required courses and electives distributed across different fields, departments, or schools which students can take whenever they choose. A key feature of the core curriculum is its inner logic in the sequencing of courses. The core curriculum strives for both academic competence and value formation through a deliberate progression of learning. Thus the core courses are organized under the four stages of the Loyola Schools curricular framework: Foundations, Rootedness, Deepening, and Leadership. Ateneo students will start from foundational courses meant to sharpen their language and communication skills and equip them with basic scientific and mathematical tools. Courses which explore faith and spirituality, and facilitate self-understanding, prepare students for investigating and knowing the world, and defining the self in the world – bringing them to a readiness to discern life-options and make life-choices. The goal is that they will become leaders who will engage the world and commit themselves to using their competences to work for social transformation, rooted in a mature Christian faith.

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<sup>8</sup> Kolvenbach, Peter Hans. 2000. “Address Delivered to the Commitment to Justice in Jesuit Higher Education Conference,” Santa Clara University, October 3, 2000, p. 8.

<sup>9</sup> Villarín, S.J. Jose Ramon T. 2015. 2011-2014 *Ateneo de Manila University President’s Report*. Quezon City: Ateneo de Manila University Office of the President, p. 9.

## LOYOLA SCHOOLS CORE CURRICULUM BY STAGES OF FORMATION

<b>Leadership (6 units)</b>	<b>Politics, Governance and Citizenship</b> Discerning Life Questions: Towards Leadership and Commitment	
<b>Deepening (27 units)</b>	Science, Technology and Society The Economy, Society and Sustainable Development Philosophy of Religion, Ethics Marriage, Family and Vocation	Interdisciplinary Elective 1 – English Interdisciplinary Elective 2 – Free Interdisciplinary Elective 3– Free Interdisciplinary Elective 4 – Major/Free Elec
<b>Rootedness (21 units)</b>	Art Appreciation Foreign Language and Culture The Contemporary World Rizal and the Emergence of the Philippine Nation	Readings in Philippine History Catholic Social Vision Philosophy: The Human Condition
<b>Foundations (25 units)</b>	Purposive Communication Malayuning Komunikasyon Literature: Global Voices and Encounters Panitikan ng Pilipinas	Faith, Spirituality and the Church Understanding the Self Natural Science Mathematics in the Modern World

Legend: CHED GE Course

In each of these stages, there are courses from the four traditional disciplinal clusters – Languages and Literature, Natural Sciences and Mathematics, the Social Sciences and History, Philosophy and Theology – as well as interdisciplinary electives. Organized by disciplinal cluster,

	Languages & Literature	Natural Sciences & Math	Social Sciences & History	Philosophy & Theology	Interdisciplinary Electives
<b>Leadership</b>			Politics, Governance, and Citizenship	Discerning Life Questions: Towards Leadership and Commitment	
<b>Deepening</b>		Science, Technology, and Society	Economy, Society, and Sustainable Development	Ethics Philosophy of Religion A Theology of Marriage, Family, and Vocation	IE 1 – English IE 2– Free IE 3– Free IE 4 – Major/Free Elective
<b>Rootedness</b>	Art Appreciation Foreign Language and Culture		Contemporary World Readings in Philippine History Rizal and the Emergence of the Philippine Nation	Theology of the Catholic Social Vision Philosophy: The Human Condition	
<b>Foundations</b>	Purposive Com Malayuning Kom Literature Panitikan	Natural Science Math in the Modern World	Understanding the Self	Faith, Spirituality, and the Church	

Legend: CHED GE Course

the core curriculum courses are as follows:

Upon completion of the core curriculum, the student should be able to:

1. Demonstrate effective communication skills (listening and speaking, reading and writing) in English and Filipino
2. Evaluate information and issues in various spheres of life using mathematical reasoning and statistical tools to process and manage data
3. Propose ways to address pressing social and ecological problems using appropriate critical approaches and scientific thinking

4. Develop a creative and moral imagination that is responsive to contemporary global realities and challenges, but also deeply rooted in local histories, conditions, norms, and institutions
5. Internalize the significance and value of her/his own unique existence and purpose in life in light of Christian faith
6. Discern life choices with a keen awareness of ethical dilemmas and considerations
7. Exemplify a commitment to enhancing human life and dignity, especially of those who are excluded and in greatest need
8. Practice a vision of leadership and committed citizenship rooted in Christian humanism

Moreover, it is not enough to determine what our students should learn and when they should do so. How they learn is just as important. Ignatian pedagogy emphasizes learning grounded in experience, repetition for depth, the provision of many examples and exercises to ensure mastery, and constant guidance and personal care (*cura personalis*). This process encourages self-reflection on deeper meanings and purposes, leading to a careful weighing of options and considered action. All of these characteristics of Jesuit education form part of what we now refer to as “student-centered learning”.

Interdisciplinarity has been a major strength of the core curriculum. Such interdisciplinarity is fashioned in the inter-relatedness of the core, major and co- curricula. Genuine integration is based on respect for the methods and traditions of each discipline, and an appreciation of their inter-related contributions to the common fount of human wisdom. Although the locus of integration are the students and how their education shapes their lives, courses in the core curriculum facilitate the students’ understanding of the inter-relatedness of the many worlds they live in. The Natural Sciences situate students in the world and the processes of nature. The Social Sciences and History introduce students to the world created by human societies and to the different descriptions of the experience of human society. The Humanities illuminate the natural and human worlds through the use of imagination and help create new visions. Philosophy and Theology reveal the foundational structure of all reality in terms of human reason and divine grace.

The centrality of interdisciplinarity in Ateneo education is evident as well in the closer collaboration between departments/programs as seen in the increasing number of interdisciplinary courses being offered in the Loyola Schools. The inclusion of interdisciplinary electives in the core curriculum further strengthens flexibility in the core curriculum.

## THE CORE CURRICULUM COURSES

### *Language and Literature Core Courses*

The courses in Language and Literature draw on the Jesuit tradition of *eloquentia et sapientia* and seek to sharpen basic language skills (listening and speaking, reading and writing) both in English and Filipino so that students can communicate in both languages and use both to learn other subject areas. Moreover, the exposure to various literary pieces supports the goal of producing students with an imagination creative enough to deal with the challenges of a fast-changing and unpredictable world, and a moral imagination deep enough to accommodate other people, especially the poor and disadvantaged, so that they may understand and respond to their plight. Such imagination is crucial to the formation of persons for and with others.

Upon completion of the course under the Foreign Language cluster, students are able to initiate and engage in everyday conversation, employing the foreign language of their choice; demonstrate knowledge of basic vocabulary and proper grammar of the foreign language; and articulate their appreciation of the culture contained in and expressed through the language.

Through the Art Appreciation course, students should be able to appreciate different forms of art, in both aesthetics and context, through the lens of the Filipino; recognize the importance of art in a culture's tradition and history, and articulate its impact in their lives; and cultivate their capacity for insight into the human condition.

#### *Natural Sciences and Mathematics Core Courses*

After completing the Natural Science course in the core curriculum, students should be able to apply the scientific method to approaching and solving a problem; hypothesize, design and conduct a rational experiment based on scientific theory, particularly, collect and interpret data, and draw conclusions based on findings; and articulate and reflect on the role of science in everyday life as well as in national development.

Through the Mathematics in the Modern World course, students should be able to argue about the nature of mathematics; use different types of reasoning to justify statements about mathematics and mathematical concepts; discuss the language and symbols of mathematics; use a variety of statistical tools to process and manage numerical data; and apply these to such areas as finance, elections, health and medicine, business, the environment, arts and design, logic, networks, data encryption, and recreation.

#### *Social Sciences and History Core Courses*

The Social Sciences cluster forms individuals who are able to evaluate social realities using a wide range of local, national, and global perspectives in the midst of social transformation; distinguish different standpoints, interpretations and approaches to human life and society, and draw upon them critically and creatively, to understand and respond to social questions; competently and ethically use relevant scientific methodologies to generate and analyze empirical information; and address pressing social problems through research and praxis. The focus in the core courses on understanding key spheres and challenges of social life call for perspectives and approaches that both draw upon and transcend the distinctive theories and methodologies of specific social science disciplines.

The History courses in the core curriculum focus on understanding contemporary society against the background of the past, especially as this past is recorded and interpreted in the form of narratives. After completing the History core courses, students should be able to identify the basic primary sources in Philippine history and determine their usefulness on the basis of their historical context and the author's credibility; develop the tools for the evaluation of the sources of history; situate key historical events, personalities, and developments in their local, national, and global contexts; analyze the Philippine historical experience as part of international currents and realities; and explain current Philippine realities in the light of past events.

### *Philosophy and Theology Core Courses*

The Philosophy and Theology cluster remains the centerpiece of the core curriculum, with the courses providing explicit loci for integration of the Ateneo goals of competence and value formation on the level of programs and of the individual student. This integration is facilitated through greater awareness of the contribution of the Humanities, and the Natural and Social Sciences. Because of this role, the Philosophy and Theology cluster is continually challenged to be at the forefront of dialogue and growth in the university.

Philosophy not only trains students in the systematic use of reason in facing foundational issues, but also introduces them to the tradition of wisdom. Theology deepens the faith of students by grounding them in a critical understanding of Christian beliefs and a solid foundation in Scripture and Church teaching. Moreover, core courses in both departments seek to lead students to a reasoned and integral faith response drawing upon their reflective skills and knowledge.

Upon completion of the courses in the Philosophy cluster, students should be able to identify and clearly explain the dominant terms and perspectives associated with different philosophical strains and traditions, apply this understanding in their interpretation of problems of contemporary Philippine society, particularly regarding development and its place in the global order, explore and reflect on the “problem” of God in their daily lives, and identify and understand ethical systems and apply these approaches in the evaluation of various issues (personal, social, and discipinal) with a keen awareness of ethical dilemmas and considerations.

Theology offers knowledge and develops skills required for a more personal, critical, and mature grasp of Christianity’s truth claims, moral precepts, and system of worship. Upon completion of the courses in Theology, students should be able to articulate the significance and value of their own unique existence in light of the Christian faith, and express this faith’s central claims, as found in Scripture and Tradition, in relation with their own lives and the wider Philippine, Asian and global context; demonstrate a commitment to enhancing human life and dignity, especially of those excluded and in greatest need; and express a desire for a life of gratitude and personal mission – all marks of a maturing intellectual, moral, and spiritual life.

The revised core curriculum includes an integrative course on “Discerning Life Questions: Towards Leadership and Commitment”. With the background from various core courses, this Ignatian integrative course draws from philosophical and theological perspectives in discussing selected life questions, e.g., suffering and the pursuit of happiness, brokenness and the pursuit of wholeness, finitude and the infinite. It proposes approaches to making life decisions, developing moral imagination, and cultivating leadership and commitment. By its very nature, life questions need a more reflective approach that combines phenomenology, hermeneutics, and Ignatian discernment. The insights and reflections generated during discussions should help the student to develop a vision of leadership and commitment. Ignatian spirituality and leadership are a defining influence in the discussion of these life questions. This course also serves as preparation for students who intend to go on the seniors’ retreat.

### *Interdisciplinary Electives*

To further advance and emphasize interdisciplinarity, the core curriculum goes beyond what is expected of the CHED GE curriculum in terms of the number and delivery of the interdisciplinary electives.<sup>10</sup>

The Core Curriculum includes four (4) Interdisciplinary Electives (one more than the minimum specified in CMO 20):

1. Interdisciplinary Elective 1 (English) – A student chooses one elective from four tracks: Story and Narrative in the Humanities, Management, Science and Engineering, and Social Sciences. These courses are offered by the English Department in collaboration with other disciplines. The aim is to develop the students' awareness and understanding of the many forms, contexts, perspectives, and rhetorical power of narrative – addressing or cutting across the interests of several disciplines. The inclusion of this IE is meant to further advance the Ignatian ideal of *eloquentia perfecta*, linking articulate expression with creative imagination, critical thinking, and moral discernment in the service of the common good.
2. Interdisciplinary Elective 2 – This elective is chosen from a list of courses approved by the Curriculum Committee and may also be counted as a major elective.
3. Interdisciplinary Elective 3 – As with IE2, this IE is chosen by the student from a list of courses approved by the Curriculum Committee and may also be counted as a major elective.
4. Interdisciplinary Elective 4 (Major)/Free Elective – In order to provide for greater flexibility, Departments/Programs have the option of either having their majors take (a) an interdisciplinary elective offered by their department/program or school or (b) a free elective. In the case of (a), this IE can be counted as an elective in the major curriculum. In the case of (b), departments/programs may opt to allow their students to take a free elective rather than restrict them to an interdisciplinary elective offered by their home department.

## Core Curriculum Course Descriptions

*Effective SY 2018-2019*

### I. FRESHMAN COURSES

1. ENGL 11: Purposive Communication – 3 units  
Purposive Communication is a three-unit course that develops students' communicative and rhetorical competence through multimodal tasks suited to a multilingual and multicultural audience in a local or global context. It equips students with tools for critical evaluation of a variety of texts and focuses on the power of language and the impact of images to emphasize the importance of conveying messages responsibly. Following a process-oriented approach to teaching

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<sup>10</sup> CHED CMO 20 (Series of 2013) states that to qualify as an interdisciplinary elective, a course “must (1) conform to the philosophy and goals of General Education as stated in this document; (2) apply an inter- or cross-disciplinary perspective; and (3) draw materials, cases or examples from Philippine realities and experiences, and not just from those of other countries.” Moreover, the electives “must cover at least any two domains of knowledge (arts and humanities; social sciences and philosophy; and science, technology and mathematics). They may not all be taken from a single domain so as to ensure some balance across disciplines and retain the well-rounded character of General Education.”

communication, it offers extensive language use and practice and promotes opportunities for problem sensing and problem solving. Students are provided different venues to apply knowledge of rhetoric in creating communication materials that address real-world issues.

2. ENLIT 12: Literature: Global Voices and Encounters – 3 units

A prolific body of literature exists depicting the drama of global encounters, where different cultures and perspectives play out the dynamics of conflict and the search for human understanding. This course surveys representative texts in poetry, fiction, and drama revealing important facets of global society through cultural diversity, conflict resolution, and dialogical interaction. With close attention to genre conventions and various literary modes, students survey a range of global cultural traditions and ideas, in view of honoring cultural diversity, expanding personal horizons, and fostering global citizenship.

3. FILI 11: Malayuning Komunikasyon (Purposive Communication – Filipino) – 3 units

Tinatalakay sa kurso ang mga salik at proseso ng komunikasyon nang may diin sa layuning maipahayag ng mag-aaral ang kanyang pag-iisip, pag-unawa, pagdanas at pagdama, na bunga ng kanyang mga karanasan bilang indibidwal at bahagi ng komunidad. Binibigyang diin sa kurso ang papel ng mag-aaral bilang palaisip at propesyunal na pinag-iisa ang kaalaman, kultura at pamumuhay ng mga lokalidad na kanyang kinalalagyan at ng higit na malawak na daigdig na kanyang kinabibilangan.

a. FILI 11.1: Malayuning Komunikasyon para sa mga Di-katutubong Tagapagsalita ng Filipino (Malayuning Komunikasyon for Non-Filipino Speakers) – 3 units

Nakatuon ang kursong ito sa mga batayang kasanayan sa pakikipagtalastasan sa Filipino nang may pagdidiin sa mga rehiyong pangwika na iniluluwal ng karanasan, pandama, pag-unawa, at pakikisangkot ng mag-aaral sa iba't iba niyang komunidad. Binibigyang-diin sa kurso ang mga kasanayang komunikatibo ng mag-aaral – lingguwistiko (salita at estruktura), sosyolingguwistiko (pag-aangkop), estratehiko (pagsasaayos at pag-eedit), at diskurso (kahulugan at pagpapakahulugan) – na magsisilbing pangunahing konsiderasyon sa pagpapahayag sa Filipino bilang kaniyang ikalawang wika o dayuhang wika.

*(The course focuses on the basic communication skills in Filipino with an emphasis on the language registers engendered by the student's experiences, senses, understanding, and participation in his/her various communities. The course stresses on the student's communicative competence – linguistic (lexicon and structure), sociolinguistic (appropriacy), strategic (repair and editing), and discourse (meaning and interpretation) – as primary considerations in communicating in Filipino as their second language or foreign language.)*

4. FILI 12: Panitikan ng Pilipinas (Literature – Filipino) – 3 units

Ang kurso ay isang pag-aaral sa kalipunan ng panitikang Filipino mula sa panahong prekolonyal hanggang sa panitikan ng ating panahon, sa pasalita hanggang sa akdang nasusulat sa Pilipinas. Mula sa mga akdang representasyon ng bawat panahon, susuriin ang dinamismo ng panitikan at kasaysayan kaalinsabay ng pamamayani ng iba-ibang uri ng pananaw na umiral sa bawat panahon. Kakasangkapanin sa pagsusuri ang piling kaisipan sa karanasang Filipino na tinatawid ang iba-ibang panahon, bilang paraan ng pagpapatuklas sa kabuluhan ng kasaysayang pampanitikan sa kasalukuyang mga kamalayan.

a. FILI 12.1: Panitikan ng Pilipinas para sa mga Di-Katutubong Tagapagsalita ng Filipino (Panitikan ng Pilipinas for Non-Filipino Speakers) – 3 units

Ang kurso ay pagtatampok ng isang sarbey ng Panitikang Filipino mula sa iba't ibang yugto ng kasaysayan ng Pilipinas, sa pabigkas at pasulat na anyo, tungo sa pagkilala ng mag-aaral sa pagkakaiba at pagtatagpo ng pang-araw-araw na wika sa wikang pampanitikan. Binibigyang-diin sa kursong ito ang pagpapayabong ng karanasan ng mag-aaral sa wikang Filipino sa pamamagitan ng kasanayan sa pagbasa, pagbigkas, at pag-unawa sa mga tekstong pampanitikan at kulturang popular tulad ng tula, maikling kuwento, at dula, at iba pang tekstong



multimedia. Bilang diskurso ng mga karanasang pagkultura, nag-aanyaya ang kurso sa mga mag-aaral na kilalanin ang kanilang posisyon bilang manlalakbay, lagalag, at/o miyembro ng *Third Culture Community* sa daigdig ng mga nabubuwig at tumitibay pang hanggahan.

*(The course features a survey of Philippine Literature from various historical periods of the Philippines, in both oral and written form, towards the students' recognition of the divergence and convergence between conversational language and literary language. The course stresses on the development of the students' encounters with the Filipino language through reading, speaking, and understanding various literary and popular culture texts such as poetry, short stories, drama, and other multimedia texts. As a discourse on cultural experiences, the course invites students to recognize their position as a traveler, exile, and/or member of the Third Culture Community in a world of crumbling and fortified borders.)*

5. MATH 10: Mathematics in the Modern World – 3 units

This is a course that exposes the students to various aspects of human life in which mathematics is used as a tool for analysis, decision-making, and design creation. The course begins with an introduction to the nature of mathematics as an exploration of patterns (in nature and the environment) and as an application of inductive and deductive reasoning. By exploring these topics, students are encouraged to go beyond the typical understanding of mathematics as merely a bunch of formulas and instead view it as a source of aesthetics in patterns of nature, for example, a rich language in itself (and of science) governed by logic and reasoning, and as a tool for solving a wide range of problems in life. The course then proceeds to survey ways in which mathematics provides means for understanding and dealing with various aspects of present day living, such as managing personal finances, making social choices, appreciating geometric designs, understanding codes used in data transmission and security, and dividing limited resources fairly. These aspects provide opportunities for actually doing mathematics in a broad range of exercises that bring out the various dimensions of mathematics as a way of knowing, and test the students' understanding and capacity.

6. Natural Science (NatSci - Lecture and Laboratory) – 4 units

a. Biology

i. BIO 10.01 / 10.02: Biodiversity: Life on Earth

This course provides a scientific approach to the astounding diversity of life on Earth. Basic concepts of biodiversity, conservation, and ecology are covered. This course aims to provide students with the knowledge and perspective that enable them to formulate informed opinions on issues affecting global biodiversity. Socioeconomic drivers of biodiversity loss, impacts of climate change, and causes of extinction are also discussed.

ii. BIO 11.01 / 11.02: Human Biology, Health, and Disease

The Human/Your Body: Wellness and Disease is a problem-based course dealing with common illnesses, conditions and their effects on the human body designed for the non-science major. The overview of structures and functions of the organs are covered, with particular emphasis on how these work together to maintain wellness. Particular focus is also given to current trends in medicine, health, and disease prevention.

iii. BIO 12.01 / 12.02: Biotechnology for Everyone

This course introduces the scientific basis, historical development and current applications of traditional and modern biotechnology. It focuses on the basic principle of biotechnology and its application in food, agriculture, industry, environment, health and medicine. Discussions on the ethical, legal and moral issues brought by these applications guide students to make informed decisions as our society adopts more of what modern biotechnology has to offer.

- b. CHEM 10.01 / 10.02: Chemistry in Modern Life  
This is the introductory course in General Chemistry at the Ateneo de Manila University. This class is intended for non-science undergraduate students desiring a simple, clear but broad understanding of chemical principles and their impact on our lives. The general aim of the course is to provide the students a firm background and understanding of the role of the natural sciences in their everyday lives in the context of chemistry as a central science. The course is designed to make general chemistry interesting in order to elicit positive attitudes of students towards chemistry, and science in Philippine life in general.
- c. ENVI 10.01 / 10.02: Introduction to Environmental Science  
This course deals with topics essential to the appreciation and study of the environment. It combines interdisciplinary knowledge (biology, chemistry, physics and other sciences) and considers socio-economic issues to provide a practical understanding of the various environmental problems facing the world today. It covers the natural environment, aspects of human impact on the environment, and environment management and policy.
- d. PHYS 10.01 / 10.02: Introductory Physics  
This introductory Physics course is designed for non-science undergraduate students who wish to gain a clear understanding of physics concepts and their applications in our everyday lives. To better appreciate physics as the foundation of all other sciences and engineering, this course emphasizes conceptual understanding with minimal use of mathematics while engaging the students in an active learning approach. The course discusses the following fundamental topics and their many interesting applications: mechanics, matter and atomic structure, heat and thermodynamics, and mechanical and electromagnetic waves.
7. HISTO 11: Rizal and the Emergence of the Philippine Nation – 3 units  
This course is a study of Jose Rizal, his life and his writings, particularly the *Noli* and the *Fili* in the total context of the formation of the Filipino nation. Using historiographic approaches and narratives from primary and secondary sources, the course considers not only the historical movements which form the background of Rizal's works, but also the relevance of his principles and ideals to the modern Philippine situation. The course ends with a discussion of the relevance of Rizal to the Filipino revolution against Spain and their efforts to establish an independent democratic republic.
8. SocSc 11 (Social Sciences 11): Understanding the Self – 3 units  
This course orients the student to an understanding of the self that functions and evolves within reciprocal and dynamic interactions involving the developing individual and the persons, objects, and symbols in his or her environment. The self – with his or her biological, psychological, and social attributes and resources – constitutes and is constituted by social and cultural-historical processes. The self is shaped by such processes in as much as it transforms them. These processes occur in contexts that vary from the proximal micro systems of family, peer, and other close relationships; to the macro systems of society, culture, and historical time. Students, thus, develop a holistic understanding of the self.  
The course includes a self-care component, wherein students demonstrate personal self-awareness and self-regulation, and reflexivity and self- acceptance, through informed ethical choices in addressing conflicts, dilemmas, diversities, differences, and inequalities.
9. THEO 11: Faith, Spirituality and the Church – 3 units  
This course introduces first year students to faith and spirituality as integral, intelligible dimensions of human life that are essential to the pursuit of wholeness in one's self and in the world today. This study is undertaken through the lens of a particular community, the Catholic Church, and focuses on Christianity's central figure, Jesus, as presented in the Bible, other normative texts, and contemporary practices, in dialogue with other worldviews such as those of postmodernity, atheism, agnosticism, and secular humanism. A major component of the course is the students' articulation

and analysis of their own faith-narratives that highlight the journey of transformation among people of faith and faith's personal-yet- ecclesial dimensions.

10. FLC 11: Foreign Language and Culture 1 – 3 units

a. CSP 11: Chinese Mandarin and Culture 1

Chinese Mandarin and Culture is the first in a series of basic Chinese language courses offered for students without or with minimal background in Chinese, which mainly focus on conversational Chinese. The course is taught using hanyu pinyin (Chinese phonetic system) and shall introduce the simplified form of Chinese characters. Chinese culture is taught through Chinese festivals, movies, poems, songs and implications on Chinese philosophy, customs, traditions, etc.

b. FRE 11: French 1 / GER 11: German 1 / INDO 11: Bahasa Indonesian 1/ ITA 11: Italian 1 / RUSS 11: Russian 1 / PORT 11: Portuguese 1 / SPA 11: Spanish 1 Language and Culture

The course serves as a foundation for a student to acquire listening, speaking, reading and writing skills in French / German / Bahasa Indonesian / Italian / Russian / Portuguese / Spanish. It also introduces the student to certain aspects of French / German / Indonesian / Italian / Russian / Portuguese / Spanish culture integrated in the use of the language thereby enabling him / her to become intercultural agents with an awareness of the other and a deeper sense of self.

c. JPN 11: Japanese Language and Culture 1

This course is for beginners in the study of Japanese language. It is designed to equip students with the level from memorized proficiency to the beginning of elementary proficiency. In the end of the course, students are able to recognize and write all the syllabic characters (hiragana and katakana) and some kanji characters (around 15 characters), read some or all isolated words and phrases, and speak simple sentences needed for daily conversation using the polite grammatical form. It introduces topics on Japanese society and culture in order to form the foundation of cultural literacy.

d. KRN 11: Basic Korean 1 Language and Culture

This is an introductory Korean Language course that enables students to learn the Korean alphabet and communicate in basic Korean.

II. SOPHOMORE COURSES

1. ArtAp10: Art Appreciation – 3 units

This course provides an approach to art appreciation that integrates hands-on learning, personal encounters with various forms of art, and critical frameworks. Through interactions with and inquiry into historical and contemporary art practices, students gain insight into the historical development of art, as well as its various applications, functions, and theories. This culminates in the understanding and appreciation of the vital roles of art across diverse cultures and societies.

2. PHILO 11: Philosophy – The Human Condition (with tracks) – 3 units

This is a course designed to introduce students to philosophical modes of inquiry, characterized by reflection, critique, and logical argumentation, aimed at broad synthetic claims and presuppositions about human nature, which is intrinsically socio-politico-ethical. It addresses the fundamental question “What does it mean to be human?” by discussing crucial themes such as intellect and will, agency and freedom in the face of determination, the dialectic between individual identity and sociality, and the finitude of human existence and the possibility of transcendence.

a. PHILO 11.03: The Human Condition: In the Ambit of Lived Experience (Phenomenological Track)

This particular track explores what it means to be a human being from the perspective of existential phenomenology, which emphasizes the role of *lived experience* in reflecting on specific aspects of human existence, such as embodiment, freedom, the interpersonal, temporality, historicity, mortality, and transcendence.

- b. PHILO 11.04: The Human Condition: Adventures in Being (Metaphysical Track)  
This particular track takes metaphysics, which approaches human reality within the horizon of being, as the framework of this course. It focuses on the human person as an embodied spirit that unfolds its freedom and intelligence in the cosmos. It addresses key questions such as change and time, freedom and determinism, the person and community, the place of the human being in the natural universe, and transcendence.
  - c. PHILO 11.05: The Human Condition: The Political Dimension (Political Track)  
This particular track inquires specifically into the ways that justice and political life are a condition for the flourishing of the human being by turning the focus on questions on the relationship between the individual and the polis, the meaning of historicity and freedom in the political sphere, and the ways in which justice can be promoted for all members of the polis.
  - d. PHILO 11.06: The Human Condition: How Do We Come to Know Anything (Epistemological Track)  
This particular track turns the focus on knowing – how it is traditionally understood, and how it is informed by the human condition – and sheds light on the social and political dimensions of knowledge. It also situates knowing within today’s information economy and “post-truth” milieu.
  - e. PHILO 11.07: The Human Condition: Multicultural Perspectives (Multicultural Track)  
This particular track uses the framework of multiculturalism, exploring various philosophical traditions and cultures, including our own, as a way to grapple with contemporary challenges posed by cultural diversity. In reflecting on themes, such as the human mind’s discovery of the vital and spiritual powers of the soul and reflexive thinking, this course takes multiculturalism not merely as a politics of recognition and difference against existing forms of marginalization, but also an attempt to discern and appreciate our shared humanity across various traditions.
  - f. PHILO 11.08: The Human Condition: Philosophical Psychology (Philosophy of Mind Track)  
This particular track turns the focus on the human mind, by asking questions about the nature of consciousness, whether the mind is distinct from the body, whether the mind as we know it is realizable in artificial or non-organic systems, and how best to understand distinct aspects of our mental life such as the sense of being a subject and experiencing emotion.
3. HISTO 12: Readings in Philippine History – 3 units, Prerequisite: HISTO 11  
This course is on 20th century Philippine history through primary sources. It concentrates on the efforts to establish an independent democratic republic from the revolutionary period to the contemporary period. Students are exposed to the study of Philippine political, social, economic, and cultural history with the analysis of written primary sources such as diaries, letters, and newspaper reports as well as other related sources such as photographs, art, video, and film. Through the careful examination and interpretation of these sources, students experience the crafting of history.
  4. STS 10: Science, Technology, and Society – 3 units, Prerequisite: For non-science majors BIO 10.01, BIO 10.02/BIO 11.01, BIO 11.02/BIO 12.01, BIO 12.02/CHEM 10.01, CHEM 10.02/ENVI 10.01, ENVI 10.02/PHYS 10.01, PHYS 10.02; For science majors, at least one major science course with lecture and laboratory  
Given that science and technology (S&T) are increasingly influencing lifestyles and values, this course provides a holistic understanding of the nature of S&T. As an interdisciplinary course, it

engages students in confronting the realities that shape S&T, as well as the transformations brought about by S&T in society. The course explores the practice of science as a human and social endeavor. It analyzes the interactions between S&T and the social, cultural, political, and economic contexts in the Philippine, Asian and global communities. In line with the Ateneo vision, the course highlights opportunities for transforming social habits and cultural mindsets.

5. SocSc 12: The Contemporary World – 3 units, Prerequisite: SocSc 11

This course explores the making of the contemporary world from an interdisciplinary social sciences perspective, seeking a comprehensive and critical understanding of modernity and its diverse aspects. It examines the cultural, economic, political and social transformations that have shaped the contemporary world and evaluates their effects on social actors, structures, spaces, ideas and institutions. This course also studies the processes that have brought about an increasing consciousness of the interconnections and interrelationships of local peoples and spaces around the globe, as well as the dilemmas brought about by such changes and the responses to them. The perspectives and approaches emphasize the interfaces between local and global realities, situating the Philippines and its contemporary challenges amidst these complex processes.

6. THEO 12: Theology of the Catholic Social Vision – 3 units, Prerequisite: THEO 11

The Theology 12 course studies the ecclesial and communal dimensions of the Christian faith with an emphasis on Catholic social teaching. It explores the question of what it means to be a Christian and Church in today's wounded and broken world. The course is integrated with the Punla Immersion or National Service Training Program (NSTP 11), providing students with the opportunity to enter into dialogue and direct personal contact with individuals and communities living on the margins of Philippine society. In the context of these encounters, students critically reflect upon the signs of the times and their own lifestyles, employing other disciplines to analyze social realities. This analysis is brought into dialogue with Scripture and the Christian tradition toward developing a faith-inspired, interdisciplinary view of Philippine society and the planet. The faith vision that emerges challenges students to live in solidarity with those on the margins through a spirituality that is responsive to the situation and needs of our people and committed to justice in collaboration with all peoples of good will.

### III. JUNIOR COURSES

1. PHILO 12: Philosophy of Religion – 3 units, Prerequisite: PHILO 11

PHILO 12: Philosophy of Religion is a required core curriculum philosophy course in the Loyola Schools, which engages students in a critical philosophical study of religion. PHILO 12 builds on the learnings of PHILO 11: The Human Condition by developing a philosophical reflection on the human experiences of religion: its nature, viability, and implications on self and society. PHILO 12 examines the possibility of transcendence, and sees how this possibility might be actualized in lived religious experiences.

It begins with an attempt to describe what religion is, and investigates the conflict, tension, and relation between belief and unbelief, as articulated in diverse religious traditions. It confronts the possibility of the absurd, and examines the ultimacy that religion proposes. It reflects upon the reality of evil and raises the question of what it means to hope, and what is there to hope for. The course includes discussions of special topics in the philosophy of religion, such as, but not limited to: religion and violence, religion and science, religion and the public sphere, religion and gender, etc.

2. PHILO 13: Ethics – 3 units, Prerequisite: PHILO 11

PHILO 13: Ethics is an introductory course on moral philosophy designed for students to cultivate in themselves mature moral deliberation and judgment. Ethics is part of the Core Curriculum and builds upon the reflections of PHILO 11: The Human Condition, especially concerning the limitations and the possibilities of human existence, and how they shape an individual's ethical choice. The course also comes into dialogue with PHILO 12: Philosophy of Religion, on the question of how an

individual's fundamental concern as manifested by her religious commitment interacts with her need to ground her ethical responsibilities.

PHILO 13 focuses on classical and contemporary ethical theories because these are ways by which philosophers have systematically reflected on the questions of ethics, such as, "What ought one to do?" and "How is one to live?" Students learn to critically reflect on the possible foundations of moral value by testing these ethical theories in particular cases, both in the personal and in the social sphere.

3. SocSc 13: The Economy, Society, and Sustainable Development – 3 units, Prerequisite: SocSc 12

The course focuses on deepening students' appreciation of economic and social development processes, and also their knowledge of concepts and skills in addressing poverty, exclusion, inequality and vulnerability, especially in the context of the Philippines. Theories and measures of understanding marginalization are undertaken, and alternatives to addressing the poverty problem are discussed. This involves leveling-off their understanding of the market economy, its institutional and historical underpinnings, as well as its problems in achieving equitable and sustainable outcomes. Moreover, the course draws upon the concept of sustainable development as a framework for ensuring that problems related to poverty and marginalization are addressed in ways that are socially-just and environmentally sustainable.

Throughout the course, and as part of their National Service Training Program (NSTP 12), students are provided with opportunities to observe and participate in programs and projects that address poverty-related issues through fieldwork activities with partner government and non-government agencies, people's organizations and other civil society groups. At the same time, they are also provided the means for critically reflecting on the strategies of the same institutions in solving development issues in the country, and of the multi-dimensional dynamics of poverty, exclusion, and the lack of sustainability as a whole.

The course complies with the Commission on Higher Education (CHED) requirements on the teaching of concepts on agrarian reform, taxation, and population and demography.

The topics in the course shall include the following:

- economic and social theories of development, and frameworks to understand poverty, inequality and marginalization;
- various measures and indicators related to social and economic development, human wellbeing and environmental sustainability;
- overviews of thematic issues relating to development and sustainability. Such issues may include institutions, culture and geography and their relation to development, human rights and gender empowerment, agrarian reform and agriculture, industrialization, education, health and nutrition, urban and rural development, population and demography, biodiversity, climate change, disasters and risk management, fiscal, monetary and financial and trade policy;
- discussions of the sustainable development goals as well as traditional and innovative responses to poverty, marginalization and unsustainability in developing economies.

4. THEO 13: A Theology of Marriage, Family and Vocation – 3 units, Prerequisite: THEO 12

In response to the question, "What is my role in the greater scheme of things?" Theo13 focuses on the discussion of the human person created in God's image as the basis for the vocation to love (FC 11) and holiness (LG 39-42) in accord with one's meaning and purpose (SpEx 23). Emphasis is given to chastity, marriage as both a human institution and sacramental reality, and the Christian family as a domestic Church. The course invites students to examine questions of sexual morality and challenges confronting Filipino families in their call to solidarity and the common good.

5. Story and Narrative in the Humanities / Science and Engineering / Social Sciences / Management (Interdisciplinary Elective 1 – English) – 3 units (offered in 4 tracks)

Interdisciplinary Elective (IE) 1 – English is an interdisciplinary course that develops the students' awareness and understanding of the many forms, contexts, perspectives, and rhetorical power of narrative. Through the critical reading of particular texts that address or cut across the interests of several disciplines, students are able to integrate and synthesize different perspectives in the accomplishment of critical and interactive projects which are based on real-world issues, and geared towards rhetorical competence and service for others.

- a. ENE 13.03i: Story and Narrative in the Humanities - Prerequisite: ENGL 11, ENLIT 12  
*Madaling maging tao, mahirap magpakatao.* The Humanities is an exploration of what it means to be human. Being human is more than acquiring skills and knowledge; more importantly, it is reflecting, discerning, and communicating how, when, and why these skills and knowledge should be applied across and beyond the disciplines. This is the story of why we are who we are and what we can be. We follow the principles of the 6 Cs: Civility, Compassion, Creativity, Critical Thinking, Conscience, and Communication.
  - b. ENE 13.04i: Story and Narrative in Management - Prerequisite: ENGL 11, ENLIT 12  
This interdisciplinary elective offers a study of narratives of leadership, focusing on three main themes: Identities of Leadership, The Business of Leadership, and Leadership in the World. Using a variety of literary and extra-literary materials and other relevant discourses, it looks into the dimensions, issues, and concerns of business, management, and entrepreneurial cultures. The course responds to these issues with the foremost assumption that narratives that are more just, timely, and responsive may counter many dominant configurations of narratives of leadership.
  - c. ENE 13.05i: Story and Narrative in Science and Engineering - Prerequisite: ENGL 11, ENLIT 12  
This course studies the narratives involved in the rapid changes and developments in the history of science. It also considers the problems, issues, and challenges that beset us in the 21st century, with a view toward studying the interface of science, society, and culture in the service of the nation and global community. This course joins in the dialogues of innovation and interdisciplinarity, inquiry and creativity, in its investigation of texts related to science and the various positions and perspectives expressed in these texts.
  - d. ENE 13.06i: Story and Narrative in the Social Sciences - Prerequisite: ENGL 11, ENLIT 12  
This course examines narration as a means for social justice. Through sample narratives of oppression and silencing, it analyzes real-life conflict to assess structure and meaning in situations of incoherence, silences, and absences. It focuses on first identifying the ethical practices for representing conflict in local and global settings, and second, articulating the means for building peace. It aims to initiate healing in individual and collective consciousness as a step towards social transformation.
6. Interdisciplinary Elective 2 & 3 – 3 units each  
IE 2 and IE 3 are interdisciplinary electives chosen from a list of courses approved by the Curriculum Committee. These courses may also be taken as major electives in particular programs. At most two electives from the three IEs may be taken from the same domain (e.g., humanities).

#### IV. SENIOR COURSES

1. SocSc 14: Politics, Governance, and Citizenship – 3 units, Prerequisite: SocSc 13  
Social Sciences 14 is a praxis-oriented course that interrogates dominant perspectives on democracy, governance and citizenship. It begins with a reflection on critical concepts learned in previous social sciences courses. Students critically examine the formation and characteristics of the state and how these evolution and qualities affect patterns of governance as well as the transformation of institutions. It draws on the experiences of the Philippines from a comparative perspective using power, contestation and change as an organizing frame.

The course analyzes both the formal-legal-constitutional and substantive bases of governance (as embodied for example in the Philippine constitution, political institutions and social relations). These are studied in terms of how they frame the challenges of deepening democracy – the role of the state, and the rights, responsibilities and expressions of citizenship. Politics, democracy and governance shall also be analyzed in the individual, local, national, regional and global terms.

Acknowledging students as the future leaders of the country, the course supports the formation of democratic citizenship through discipline-based projects that identify dissonances of the state but also how to respond to critical social and political reform challenges within the ambit of collective participation. Ultimately, the task of this course is to support citizenship projects that have the potential to engage current policy debates and conversations.

2. DLQ 10: Discerning Life Questions: Towards Leadership and Commitment – 3 units, Prerequisite: THEO 13, PHILO 13, SocSc 13

With the background from various core courses, this Ignatian integrative course draws from philosophical and theological perspectives in discussing selected life questions, e.g., suffering and the pursuit of happiness, brokenness and the pursuit of wholeness, finitude and the infinite. It proposes approaches to making life decisions, developing moral imagination, and cultivating leadership and commitment. By its very nature, life questions need a more reflective approach that combines phenomenology, hermeneutics, and Ignatian discernment. The insights and reflections generated during discussions should help the student to develop a vision of leadership and commitment. Ignatian spirituality and leadership are a defining influence in the discussion of these life questions. This course also serves as preparation for students who intend to go on the seniors' retreat.

3. Interdisciplinary Elective 2 & 3 – 3 units each

IE 2 and IE 3 are interdisciplinary electives chosen from a list of courses approved by the Curriculum Committee. These courses may also be taken as major electives in particular programs. At most two electives from the three IEs may be taken from the same domain (e.g., humanities).

4. Interdisciplinary Elective 4/ Free Elective – 3 units

In order to provide for greater flexibility, Departments/ Programs have the option of either having their majors take (a) an interdisciplinary elective offered by their department/ program or school or (b) a free elective. In the case of (a), this IE can be counted as an elective in the major curriculum. In the case of (b), departments/ programs may opt to allow their students to take a free elective rather than restrict them to an interdisciplinary elective offered by their home department.

### Interdisciplinary Elective Offerings

BIO 21i: The Biology of Science Fiction – 3 units, Prerequisite: ENLIT 12

The Biology of Science Fiction deals with the critical analysis and discussion of science fiction, the genre of the novum, and of the biological basis behind popular trends in the genre. Here the nova are wondrous biology-themed nova such as strange alien worlds and their life-forms, hybrids, clones, genetically modified organisms, and bizarre reproduction.

CSCI 142i: Human Computer Interaction – 3 units

One of the underlying principles of the study of human computer interaction is that *the user should not have to adapt to the interface*. Computer systems, aside from being functional, should be usable. They should be designed with the user – the human being – in mind, supporting human capabilities and compensating for human limitations, taking into consideration physiological and psychological factors.

DEV 105i: Survey of Social Development Approaches – 3 units



This course provides an overview of social development approaches used by various development institutions. Inputs from development professionals, who serve as guest lecturers, demonstrate how these frameworks are applied in practice. It also provides an overview of the evolving concept of poverty from income poverty to poverty as human security.

DEV 106.1i: Community Development and Social Change – 3 units

This course introduces students to the art of introducing and sustaining development interventions on various levels. Inputs from development practitioners demonstrate the basic principles discussed in the lectures. It frames development interventions as social change projects and draws from change management literature.

DEV 181.1i: Special Topics in Humanitarian Action: Humanitarian Action of the Philippines – 3 units

This course provides an overview of humanitarian work in the Philippines. Inputs from professionals in humanitarian agencies, who serve as guest lecturers, demonstrate the diversity of frameworks and models used in addressing disaster and crisis situations. Discussions also consider the politics of humanitarian work that involves dynamic but also contentious relationships between the state, humanitarian agencies, local communities, and other institutions. Students are expected to describe key principles and critique existing politics and practices of humanitarian work in the country.

DEV 181.2i: Special Topics in Humanitarian Action: Disaster Risk Reduction and Society – 3 units

This is an introduction to disaster risk reduction and society. The course deals with nature-based disaster to which the understanding of human/societal factors is crucial. It comprises two components of disaster risk reduction: knowledge and practice. From the geographical perspective, it explores interactions between humans and topographic features of the environment, and risks contemporary societies face. A discussion on practice of risk management and capacity building is included. Emphasis is placed on the engagement with place. Field-based projects, such as geohazard mapping and assessment of a community, and fieldwork in a disaster-prone settlement are part of the course.

DEV 183.24i: Special Topics in Development Management: Creating Shared Value for Practitioners – 3 units

This course introduces the students to current practices vis-à-vis the CSV framework. It also discusses concepts that serve as a foundation to understanding CSV and developing CSV strategies (value chain, business models, identifying societal issues and metrics). The overarching objective is to develop the students to become CSV practitioners.

DEV 189.83i: Special Topics in Contemporary Development Issues: Survey of Public Health Interventions – 3 units

This course provides an overview of various public health interventions by situating these interventions within various classificatory frames. Lectures on these classificatory frames are supplemented by inputs from health development practitioners, who serve as guest lecturers.

ECON 185.68i: Special Topics in Economics: The Economy of Communion – 3 units

This is an elective course with its genesis in Catholic social doctrine and the spirituality of unity. With its focus on reciprocity and respect for human dignity, it places the human person at the center of business and goes beyond corporate social responsibility or philanthropy. It considers all possible stakeholders – management, employees, customers, competitors, and broader community – as candidates for unity. The economic and relational life of the businesses are based on Gospel principles freely adopted by entrepreneurs, who freely commit their profits to three purposes: assistance to the poor, formation of persons in the culture of giving, and reinvestment in businesses.

ECON 185.69i: Law, Economics, and Public Policy – 3 units

This course introduces basic insights from the field of Law and Economics and applies them to current socio-economic problems with emphasis on the formulation of public policy. This is relevant especially in a developing country context wherein the correct implementation of the legal framework is a key institutional driver of economic growth. Economic topics include market structures, property rights, externalities, public

goods, collective action, rent-seeking and the contractual nature of the state. Law topics include political law, taxation law, property law, obligations and contracts, competition policy, environmental and financial regulation, labor law, and criminal law.

EDUC 101i: Historical and Philosophical Foundations of Education – 3 units

This course aims to provide students with a better understanding of the development of education theories, principles, and concepts through the lens of history and philosophy and to give a frame of reference for understanding current issues and problems in the field of education.

EDUC 132i: Educational Psychology – 3 units

The course is a study of human learning, development and motivation. It focuses on translating theories, concepts and principles into applications for any teaching-learning situation.

ENVI 21i: Climate and Earth System – 3 units, Prerequisite: ENVI 10.01

This earth system science course is an introduction to understanding climate as an important component of the earth system, and how it both influences and is influenced by the different spheres (atmosphere, hydrosphere, lithosphere, biosphere). It highlights the linkages and feedbacks between climate, ecosystems and human activity. Given this background, the course then explores how anthropogenic climate change and other human-induced modifications of the earth system create risk to climate disasters, and what corresponding adaptation and mitigation strategies can be employed.

ENVI 121i: Industry and the Environment – 3 units, Prerequisite: ENVI 10.01

This course addresses the impact of industry on the environment and the ways by which such effects can be assessed and mitigated through sustainable product and process design and technology. The course introduces the principles and tools of industrial ecology, with examples on the business case for a green economy and a review of environmental standards relevant to Philippine industry. The course includes case studies and applications of material flow assessment, life cycle assessment, whole systems design and green design, and environmental standards, integrated with other tools for product design such as market studies and the business model canvas.

ENVI 125i: Introduction to Geographic Information Systems – 3 units

This integrated lecture and laboratory course provides an overview of the concepts, theories, components, operations and methodologies necessary for understanding and applying geographic information systems (GIS) to applications to various fields, such as environmental science, social science, computer science, humanities, engineering, and management. It gives an introduction on the use of GIS software such as ArcGIS, QGIS or Integrated Land and Water Management System (ILWIS). This course also covers a brief overview of remote sensing and its importance to GIS.

ENVI 170i: Introduction to Environmental Law and Policy – 3 units, Prerequisite: ENVI 10.01

The course gives students an overview of environmental decision-making in the Philippines, focusing on the interplay of science (the natural and social sciences) and law in establishing norms and resolving environmental disputes. Students are introduced to a spectrum of approaches to environmental issues, including command-and-control systems, market-based approaches, pollution prevention, community-based resource management and sustainable development. They are also given an overview and analysis of global environmental issues and international environmental law, in particular, those that are relevant to the Philippine setting.

ENVI 171i: The Environment in the Media – 3 units

This course focuses on how environmental issues are communicated in popular media. The course is grounded in a practical understanding of the “state of the science” of selected environmental issues, and an understanding of the scientific research process – its strengths, weaknesses, caveats, and uncertainties – as these are relevant to challenges of communication in the public sphere. These discussions serve as a springboard for analyzing how environmental issues are defined, framed, and communicated. The course

also includes an introduction to the theoretical and conceptual frameworks of environmental communication.

ENVI 172i: The Environmental Movement: Local and Global Perspectives – 3 units

This course examines the emergence of environmental movements in the local, regional, and global spheres. The historical, cultural, and political origins and influences of these movements are reviewed and discussed. This course also examines the ideology behind both mainstream and radical/militant movements through examining specific cases on urban environmental reform, environmental activism, environmental justice, and contemporary movements – and why these succeed or fail. Particular attention is given to the Philippine and Asian contexts.

ENVI 175i: Applied Economics for the Environment – 3 units, Prerequisite: ENVI 10.01

This course deals with understanding the nature of the interrelationship between human economy and natural environment. It tackles systematic development of principles and frameworks needed for clear understanding and analysis of environmental and resource issues. It emphasizes the need to balance economic growth and preserving environmental integrity, and how this concern can be achieved. The course clearly presents the ties between ecology and economics. Most problems are presented visually and use a geometric approach to solve mathematical questions.

ENVI 176i: Environmental Impact Assessment – 3 units, Prerequisite: ENVI 10.01

This course aims to equip students with the basic knowledge and skills in Environmental Impact Assessment (EIA). The scope of the course includes the theoretical framework, methodology, and applications for EIA in the Philippines. It includes discussions on the rationale of the EIA process, the potential impacts of development projects on the biophysical and socio-cultural environments, and impact assessment methods. This is an integrative course offered to students who have adequate perspectives in both the natural and social sciences.

ENVI 177.03i: Introduction to Environmental Management – 3 units, Prerequisite: ENVI 10.01

This course covers the basic concepts, principles and tools in environmental planning and management. The course begins with a review of basic ecological principles and development models that serve as the rationale and foundation for environmental management. The second part of the course then deals with environmental management in the business/organization context, including tools and application such as the EIA/ERA, Life Cycle Assessment, and the Environmental Management System. The last part discusses current issues in environmental management within communities, including topics such as the management of natural resources, sectoral approaches, and environmental communication.

ENVI 177.04i: Environmental Management for Sustainability – 3 units, Prerequisite: ENVI 10.01

This course covers the basic concepts, principles and tools in Environmental Management as a broad and interdisciplinary practice. It begins with an overview of basic ecological principles, development models and frameworks that serve as the rationale and foundation for environmental management. The second part of the course then deals with environmental management in the business/organization context, highlighting the application of the Environmental Management System (EMS). The modules are designed to impart key concepts and principles on how environmental management can be used to address complex issues of environment and development in organizations and communities.

EURO 23i: Interdisciplinary Elective: Europe, Globalization and Popular Culture – 3 units

This interdisciplinary elective highlights the increasing significance of global popular culture in geographic localities, which is facilitated by processes of globalization and the spread of information and communications technologies. Europe is no less immune to this penetration, however, it is also a site where trends in global popular culture are created or enhanced. This course looks at the interfaces between global popular culture and the European region, examining both the ways that Europe has been affected by it and the way that Europe affects popular culture in the rest of the world.

GDEV 20i: Introduction to the Design and Development of Computer Games – 3 units

This course aims to introduce students to the essential concepts behind game design. It emphasizes game balance, game theory, the exercise of creativity, the user experience in games, and technical execution. It tackles game design with the psychological and philosophical aspects in mind. These concepts are practiced, applied, and executed through the creation or design process of several games.

HISTO 132.03i: History of Gender in Asia – 3 units

Asia has a complex gender history and this course is designed to educate students on the development of gender nuances in the region. In the course's examination of various historical negotiations between people's biological and sexual identities, students learn about gender that extends beyond the binary. This course aims to explore these gender negotiations in Asian history. Through the thematic analysis of different Asian historical documents and media, this course examines the emergence of gender constructs and social dynamics in the region while developing students' historiographical and gender literacies.

HSCI 61i: Design Thinking in Public Health – 3 units

Many programs have been instituted in the healthcare sector to prevent diseases and promote health of the general public. However, the common and usual responses to health problems are both ineffective and inefficient as these programs fail to consider that several factors can affect health outcomes. These challenges faced by the public health sector therefore necessitate innovative solutions that center on the people, who are affected the most. Through design thinking, this course aims to equip students with the perspectives and tools required to address health challenges by developing simple solutions, which are not necessarily medical or clinical in nature.

LAS 51i: Applied Entrepreneurship: An Interdisciplinary Approach – 3 units

Applied Entrepreneurship is an interactive, learner-centered course designed for non-SOM majors who have zero-to-low background or capital in business. The program involves various individual and group projects, where students can apply their interests and disciplines into their chosen simple business ventures. The majority of the program integrates business fundamentals (i.e. marketing, finance and operations) and self-mastery (i.e. learning to be, communicate, think and do), which allows for better customization with the students' backgrounds and preferences.

MATH 103.03i / PSYC 80.18i: Data Analytics for Text Analysis – 3 units, Prerequisite: MATH 10 or any basic Math Course, SocSc 11, SocSc 12

Cognizant of the power of social science data, the course aims to equip students with the competency to use robust techniques to make sense of the human world around them. The course introduces basic programming and the use of big data to analyze social and political issues. Data sources are related to understanding the dynamic public fabric of our nation. The course teaches students how to gather and process text-based data from social media sites such as Twitter/Facebook, COMELEC/Election results, political speeches, online news, and other sources of information.

PNTKN 135i: Mga Panitikan at Pelikula ng Siyudad - 3 units

Nakatuon ang kurso sa pagtalakay ng espasyo, partikular na ang siyudad, ang kritikal na sensibilidad at kamalayang lumilikha ng buhay panlipunan. At bilang sensibilidad at kamalayan ang espasyo ay may kasaysayan at sumasakaysayan, nakikipagtunggali at sityo mismo ng tunggalian at samot-saring puwersa ng indibiduwalidad, kolektibong pamumuhay at modernong panahon.

PNTKN 135.03i: Mga Panitikan at Pelikula ng Siyudad: Panahon ng Batas Militar – 3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa "popular" sa kulturang popular. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa pagtatasa sa mga anyo nito, tagatangkilik, at mga pasimuno.

PNTKN 149i: Kulturang Popular – 3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa “popular” sa kulturang popular. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa mga anyo nito, tagatangkilik, at pasimuno.

PNTKN 149.03i: Kulturang Popular at Usapin ng Kasarian – 3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa “popular” sa kulturang popular na may diin sa usapin ng kasarian. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa mga anyo nito, tagatangkilik, at pasimuno.

POLSC 34.10i: The Politics of Aesthetics: The Graphic Novel – 3 units, Prerequisite: ArtAp 10, ENLIT 12, SocSc 12

This course explores the relationship between contemporary political theories and aesthetics. The course draws from postmodern, philological, and postfoundational texts and graphic novels that tackle pressing political, social, and historical issues such as subjectivity, revolution, social change, disaster, and war. The course also illustrates how the political pervades and relates to how aesthetic expression is formed and utilized in society. The course explores the power of the visual-verbal forms of creativity and expression to elucidate upon key political concepts and to bear witness to political events and realities.

SocSc 130i: Political Economy of International Migration – 3 units

This course provides an overview of international migration's many aspects: from the economic to the political, social, and cultural, and unpacks the issues surrounding this important issue. All these aspects shape debates about migration's desirability (or even objections to this). As one of the world's notable countries of emigration, the Philippines provides an ideal background to study the interplay of migration's “push” factors in sending countries and “pull” factors in receiving countries. This course aims to foster an integrative outlook on migration's various promises and shortcomings.

SocSc 180i: An Introduction to Media and Politics – 3 units

Most theories of modern democratic society-building point to the need for an informed, educated, and equitably-treated citizenry reliant on fair, balanced access to publicly-relevant information, data, and ideas/values. This course studies and analyzes how practices, social relations and policies directly affect processes of information creation, distribution, and access provision. It questions whether particular technologies, media systems, and prevailing values affect the development of fair and balanced public discourse. The course not only reviews theoretical and disciplinary perspectives but also looks closely at historical, social and media industry-based developments in the Philippines.

THEO 36i: Food Justice: Perspectives from Theology, Ecofeminism and the Social Sciences – 3 units, Prerequisite: THEO 12

This course introduces students to the emergent movement of exploring just food policies and reconfiguring food systems growing from the experience of the global food crisis. This food justice movement is consistent with the Catholic mission of temporal liberation for the marginalized in the world. Christ invites the Church to build the Kingdom of God in the world, and to do so, the Church responds to the call to feed the hungry, drawing guiding principles from the social sciences, ecofeminism, Sacred Scripture, Tradition and the very human experience of food from people around the world and the Philippines today.

THEO 114.03i: “Let the Little Children Come to Me”: Teaching Catechism to Urban Poor Children – 3 units, Prerequisite: THEO 11

This service-learning course is designed for Ateneo students who will actually teach catechism to children of a poor community. To facilitate students' ability to integrate, contextualize and learn by doing, methods and concepts from psychology, child education, and theology are used to discuss and process teaching

experiences. The course draws inspiration from “Let the little children come to me...” (Matthew 9:14). The course is open to all students who are willing to do fieldwork regularly as part of the course. Students who cannot do fieldwork should not take this course.

## THE MAJOR CURRICULUM

The Loyola Schools offers a wide range of fields of specialization in the arts, sciences, and management through the major curricula. Each major curriculum consists of a sequence of courses that provides a strong program of training in the area of specialization in which the student wishes to major. Usually, the field of concentration will involve introductory courses in either the freshman or sophomore year. The major curricula are:

### SCHOOL OF HUMANITIES

#### *Department of English*

Bachelor of Arts in Literature (English)

#### *Department of Filipino*

Batsilyer ng Sining sa Panitikang Filipino

#### *Department of Fine Arts*

Bachelor of Arts in Art Management

Bachelor of Fine Arts in Creative Writing

Bachelor of Fine Arts in Information Design

Bachelor of Fine Arts in Theater Arts

#### *Department of Interdisciplinary Studies*

Bachelor of Arts in Humanities

Bachelor of Arts in Interdisciplinary Studies

#### *Department of Philosophy*

Bachelor of Arts in Philosophy

### JOHN GOKONGWEI SCHOOL OF MANAGEMENT

Bachelor of Science in Communications Technology Management

Bachelor of Science in Information Technology Entrepreneurship

Bachelor of Science in Legal Management

Bachelor of Science in Management

Bachelor of Science in Management (Honors Program)

Bachelor of Science in Management Engineering

Bachelor of Science in Management of Applied Chemistry

Bachelor of Science in Restaurant Entrepreneurship

### SCHOOL OF SCIENCE AND ENGINEERING

#### *Department of Biology*

Bachelor of Science in Biology

Bachelor of Science in Life Sciences

*Department of Chemistry*

Bachelor of Science in Chemistry

Bachelor of Science in Chemistry - Bachelor of Science in Materials Science and Engineering

Bachelor of Science in Chemistry - Master of Science in Chemistry

*Department of Electronics, Computer, and Communications Engineering*

Bachelor of Science in Computer Engineering

Bachelor of Science in Electronics Engineering

*Department of Environmental Science*

Bachelor of Science in Environmental Science

*Health Sciences Program*

Bachelor of Science in Health Sciences

*Department of Information Systems and Computer Science*

Bachelor of Science in Computer Science

Bachelor of Science in Computer Science - Master of Science in Computer Science

Bachelor of Science in Computer Science - Bachelor of Science in Digital Game Design and Development

Bachelor of Science in Management Information Systems

Bachelor of Science in Management Information Systems - Master of Science in Computer Science

*Department Of Mathematics*

Bachelor of Science in Mathematics

Bachelor of Science in Applied Mathematics with Specialization in Mathematical Finance - Master of Applied Mathematics, major in Mathematical Finance

Bachelor of Science in Applied Mathematics - Master in Data Science

*Department Of Physics*

Bachelor of Science in Physics

Bachelor of Science in Applied Physics - Bachelor of Science in Materials Science and Engineering

SCHOOL OF SOCIAL SCIENCES

*Chinese Studies Program*

Bachelor of Arts in Chinese Studies

*Department of Communication*

Bachelor of Arts in Communication

*Development Studies Program*

Bachelor of Arts in Development Studies

*Department of Economics*

Bachelor of Arts in Economics (Honors Program)

Bachelor of Arts in Economics

Bachelor of Arts in Management Economics

*European Studies Program*  
Bachelor of Arts in European Studies

*Department of History*  
Bachelor of Arts in History

*Department of Political Science*  
Bachelor of Arts in Political Science  
Bachelor of Arts in Diplomacy and International Relations with Specialization in East and Southeast Asian Studies  
Bachelor of Arts in Political Science - Master of Arts in Political Science, major in Global Politics  
Bachelor of Arts in Political Science - Master in Public Management

*Department of Psychology*  
Bachelor of Arts in Psychology Bachelor of Science in Psychology

*Department of Sociology and Anthropology*  
Bachelor of Arts in Sociology

## THE CO-CURRICULUM

### THE INTEGRATED ATENEO FORMATION (InAF) PROGRAM OF THE LOYOLA SCHOOLS

The Integrated Ateneo Formation (InAF) program of the Loyola Schools aims to form persons-for-and-with-others who will contribute meaningfully to the transformation of Philippine society as servant-leaders engaged in various fields of endeavor.

In line with the formation of the whole person characteristic of Jesuit education, the InAF program seeks to provide students with opportunities that can help develop and integrate the personal, academic, socio-cultural, and spiritual dimensions that comprise each student's person.

In forming students to be professionals of conscience, competence, compassion, and commitment, the InAF program seeks to develop graduates who are: guided by Ignatian discernment and rooted in a personal relationship with God; able to apply their academic competence and training in the service of nation building; critically rooted in their culture; conscious of their responsibilities as global citizens; and strongly oriented to faith and justice.

To achieve these goals, all undergraduate students of the Loyola Schools undergo four programs as part of their holistic formation: the Introduction to Ateneo Culture and Traditions (InTACT); the Sophomore Formation Program; the Junior Formation Program; and the Senior Integration Program (SIP). These programs are coordinated by the Office of the Associate Dean for Student Formation and involve the following formation offices: the Office of Campus Ministry; the Office of Guidance and Counseling; the Office of Placement and Career Services; the Office for Social Concern and Involvement; the Office of College Athletics; and the Office of Student Activities.



### *Introduction to Ateneo Culture and Traditions (InTACT): First Year*

The Introduction to Ateneo Culture and Traditions (InTACT) Program is a year-long formation program that aims to assist first-year students in their transition to Ateneo college life, provide opportunities for continuing self-discovery and greater self-awareness, and introduce them to the school's culture and traditions which are rooted in Filipino, Catholic, and Jesuit values.

Each first-year block is placed under the care of a homeroom adviser (who is a faculty member or a formation professional) and a partner student facilitator who handle the weekly homeroom sessions and conduct individual consultations aimed at helping first-year students get to know themselves better as they undergo the Ateneo brand of holistic formation.

In partnership with the Social Science core course, Understanding the Self (SocSc 11), first-year students undergo the BINHI Program – a whole-day trip or two half-day trips to a marginalized community where students are given the opportunity to interact with people often considered outside their social milieu or be exposed to various institutional advocacy programs. These interactions which will be integrated into the discussions in SocSc 11 and InTACT classes provide the experiential basis for students to reflect on how the self is a product of socialization and one's environment.

As the InTACT Program likewise seeks to introduce the value of Ignatian Spirituality, first-year students are provided an opportunity to spend time in silence, reflection, and prayer through the Coming Home recollection or overnight retreat in the hope that they may experience God's personal love for them in the context of their personal journeys.

### *Physical Education*

Students are required to take four Physical Education (PE) classes. To service this requirement, the PE program offers a variety of classes for first and second year students with the primary objective of achieving a state of *mens sana in corpore sano* – a sound mind in a sound body.

These physical education classes help students understand and appreciate in depth the importance of physical activity in sustaining or improving their level of fitness which further contributes to the overall development of their health and wellness.

Teaching our students to care for and value their health at the early stages of their college life helps establish a solid foundation, not only to make them resilient and capable of coping with the physical, emotional, and mental stress brought about by the demands of academic life, but also more importantly, to help students mature into becoming healthy and productive members of society.

### *Sophomore Formation Program: Second Year*

The Sophomore Formation Program seeks to provide all second-year students an opportunity to further explore and understand the larger societal context in which they find themselves.

In partnership with the Theology of the Catholic Social Vision course (THEO 12), sophomores undergo a weekend immersion experience through the NSTP 12 or Punla Program.

The immersion experience will allow them to have direct personal contact with individuals and communities living on the margins of Philippine society. In the face of these immersion experiences, students are tasked to analyze community and sectoral issues from a structural and multi-disciplinary perspective. They are likewise guided to critically reflect on their faith and their lives through a recollection or overnight retreat experience that invites students to see their personal giftedness and reflect on the challenge of discipleship in the face of the imbalances in society and in the world.

Through this formative process, it is hoped that sophomores may enlarge their understanding of the world around them, deepen their compassion for and solidarity with the poor and the marginalized, and discern how they can witness to a life oriented to faith and justice.

#### *Junior Formation Program: Third Year*

The Junior Formation Program strives to further develop the capacity of third-year students to be persons of competence and discernment by providing them opportunities to concretely apply their academic and disciplinal training in the service of community or institutional needs and by offering them spaces for reflection and prayer to discern the unique and personal vocation to which each student is called.

In partnership with the Social Science core course for third-year – Economy, Society, and Sustainable Development (SocSc 13) – and particular major subjects for the various academic disciplines, third-year students undertake service-learning initiatives as part of the National Service Training Program (NSTP 12). These service-learning initiatives are “credit-bearing educational experience[s] in which students participate in an organized service activity that meets identified community needs [and] reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility.”<sup>11</sup>

Aside from engaging in service-learning initiatives that serve as concrete applications of one’s field of study, juniors likewise undergo a recollection or an overnight retreat that seeks to guide them through a process of Ignatian discernment focused on a deepening awareness of one’s gifts and weaknesses, of one’s deepest desires, and of one’s life vocation.

#### *Senior Integration Program (SIP): Fourth Year*

The Senior Integration Program (SIP) endeavors to help graduating students reflect on and integrate their Ateneo college experience in light of their life’s vocation and the call to be leaders in service. By helping seniors discern about life- directions and how their respective disciplines and future career decisions can respond effectively to societal needs, the program seeks to form graduates who will aspire towards greater personal wholeness while continuously engaging with the world as agents of change.

Through guidance testing, career counseling, placement talks, and a Career Fair, future graduates are provided various opportunities to meaningfully explore career options.

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<sup>11</sup> Bringle, Robert G. and Hatcher, Julie A. 1996. "Implementing Service Learning in Higher Education." *Higher Education*. 186.

To deepen the process of continuing discernment, seniors have opportunities to undergo a recollection, an overnight retreat or a 3-, 5-, or 8-day Ignatian Silent Retreat to help them reflect on their life journeys in light of their unique vocation, God's abiding presence in their lives, and the world's deepest hungers.

Finally, through the culminating ritual known as the Pabaon, graduating students are led through a communal reflection about the meaning of their Ateneo education and formation as they venture forth to be professionals of conscience, competence, compassion, and commitment.

## STUDENT ACTIVITIES

The Ateneo believes in the total development of men and women for others. It is with this conviction, along with the principle that learning does not only occur in the classroom, that the Ateneo invests equal energy in the encouragement and development of student organizations. Student organizations are regarded as partners in the promotion of the Ateneo values of academic excellence and the pursuit of the truth, social justice and solidarity, cultural rootedness and artistic development, and spiritual maturity and holistic formation. The array of student activities caters to the wide spectrum of student interests.

Cultural groups enable students to develop their talents, as well as gain a deeper understanding of local and foreign cultures.

Business groups organize activities to mold competent managers and entrepreneurs with a social responsibility, capable of catapulting industries to greater heights in the future.

Faith-formation and sector-based organizations provide assistance to various communities and groups, and in the process, help students appreciate the complex and interrelated issues of different sectors as seen through urban poverty, the plight of street children, cancer stricken youth, and other vulnerable sectors.

Science and technology organizations organize symposia and talks to learn about theoretical developments and practical applications in specific fields of inquiry. They also participate in national contests, set up exhibits, and schedule on-campus tutorials to share knowledge with others.

Students join sports and varsity teams where they learn the virtues of teamwork and discipline while engaging in friendly competition with teams from other universities. It is through these competitions that the school spirit is expressed.

### *The Council of Organizations of the Ateneo (COA)*

The Council of Organizations of the Ateneo de Manila (COA) is the sole, autonomous, confederation of all duly accredited student organizations at the Ateneo de Manila Loyola Schools. The Council serves as the representative, administrative, formative, and unitive body of all 56 student organizations grouped into nine (9) clusters oriented towards service and progressive nation-building. These clusters are:

Analysis and Discourse Cluster  
Business Cluster  
Faith Formation Cluster  
Health and Environment Cluster  
Inter-Cultural Relations Cluster  
Media and the Creative Arts Cluster  
Performing Arts Cluster  
Science and Technology Cluster  
Sector-Based Cluster

The Council recognizes the rightful and vital role of the Filipino youth in national efforts to advance and preserve social justice and development in Philippine society, provide creative avenues for students to respond to the call for nation-building through the core competencies of its member organizations, and promote safe spaces for its constituents founded on inclusivity, mutual respect, and love.

#### *Sanggunian ng Mga Paaralang Loyola ng Ateneo de Manila (SANGGUNIAN)*

The *Sanggunian ng mga Paaralang Loyola ng Ateneo de Manila*, commonly known as the Sanggunian or Sanggu, for short, is the sole autonomous student government of the Ateneo de Manila University Loyola Schools. It operates under the four pillars of student representation, basic services, students' rights, and student mobilization.

#### *Confederation of Publications (COP)*

As the official student newspaper of the Ateneo, THE GUIDON chronicles Ateneo history as it happens, delivering the burning issues and events that matter. Through fair, accurate, and responsible campus journalism, The Guidon seeks to enlighten and inspire Ateneans to make a change. The organization molds its members into skilled and principled leaders, as The Guidon looks into the life inside the Ateneo and beyond.

As the official literary and artistic publication of the Ateneo, HEIGHTS aims to continue and contribute more to the Ateneo literary and artistic tradition of excellence through developing a community of readers, artists, and writers within and outside the University.

As the official Filipino magazine of the Loyola Schools, MATANGLAWIN seeks to be an eye that is critical of the pressing issues present in Philippine society. The publication also seeks to illuminate sectors that lie on the fringes by giving voice to them. Lastly, Matanglawin aims to pose probing questions regarding prevailing systems and structures of society.

## ATHLETICS

Aside from academics and a myriad of co-curricular activities in school, there are students who heed the call to do more by joining one of the Loyola Schools fifteen (15) UAAP sports teams and five (5) non-UAAP sports teams.

These teams represent the school in competitions throughout the school year and a good number of these teams have won championships in their field. The Ateneo also sends varsity teams to represent the Philippines in international competitions. Even overseas, our student-athletes have been building a name for themselves and the University.

The school provides support to the athletes, the coaches, and their teams in many ways. These include accident insurance for athletes and academic support for athletes to help them balance their tough training, competition, and academic schedules.

On and off the playing venues, our student-athletes exemplify the Ateneo ideal of *mens sana in corpore sano* – a sound mind in a sound body.

## THE PHYSICAL EDUCATION PROGRAM

The Physical Education Program contributes to the total formation of Ateneans through various course offerings per semester. These accommodate a wide range of students' interests and abilities – from the more traditional games like basketball, tennis, badminton, and soccer to the more exceptional sports and health exercises such as yoga, tai-chi, wu-shu, fencing, taekwondo, judo, arnis, muay thai, dance-sports, tap dancing, swimming and snorkeling or skin diving.

Jesuit Education adheres to holistic development and character formation of the students. The P.E. Program specifically focuses on the physical development aspect and allows students to play, interact and even compete in a friendly environment. Physical components like speed, agility, power, strength, balance, coordination, reaction time, flexibility, and endurance are developed through the various physical activities offered.

The Program not only develops the physical well-being of the students, but also instructs them in the rules, discipline, and ethics important in fair play, which will serve them well in other areas of their college life and future professions.

The P.E. Program also administers the recreational facilities and equipment of the Loyola Schools for the indoor and outdoor use by students, faculty, and staff.

### Physical Education Program Course Offerings

#### PHYED 100: Swimming – 2 units

Practical sessions on basic floating, proper breathing, and basic swimming strokes (e.g. crawl, breaststroke, backstroke).

#### PHYED 100.10: Snorkeling – 2 units

Snorkeling is a recreational aquatic activity. The course will improve on the basic swimming skills of students so that they will be relaxed and more confident even in deep water. This is a non-competitive orientation to swimming that emphasizes water safety, survival swimming and in-water recreational activities. Students are taught how to use the mask, snorkel and fins. Towards the later part of the semester, a field instruction is organized for snorkeling on a coral reef so that students can apply the skills learned in the confines of the swimming pool. They are able to adapt to the natural marine environment, and conduct beach and boat entry/exit techniques. There is also an introduction to the Philippine marine environment to create an awareness of the importance of our coastal resources and the need for conservation. The long term objective

is for students to develop an appreciation of the beauty, richness and fragility of our country's marine resources through snorkeling.

PHYED 100.20: Basic Survival Swimming – 2 units

This course is designed for the beginning swimmer who can move in shallow water, but has little skill in breathing underwater. It is an entry level course to teach basic swimming strokes and deep water skills to the non-swimmer to enable him/her to swim safely in deep water. There are no prerequisites for the course.

PHYED 111: Foundations of Physical Fitness & Health – 2 units

Lectures on the principles and practices of wellness, fitness, stress management, sports, recreation, and nutrition. Practical sessions involving fitness testing, fitness/wellness programs & recreation/leisure.

PHYED 111.10: Contemporary Issues – 2 units

This is an introductory course for students who may wish to go into the field of coaching and/or athletic training. Focus is on injury prevention and immediate care for the most common sports injuries. Basic foundations are also provided for more substantive areas of rehabilitation.

PHYED 111.20: Nutrition for Sports and Exercise – 2 units

This is a basic course in nutrition science that covers the biochemistry and the physiologic values of food as well as basic biometrics. Particularly, the course explores the relationship between nutrients and water and the performance of physical activities.

PHYED 112: Aerobics – 2 units

A fitness program involving general endurance, flexibility, and coordination. All activities are done to the beat and rhythm of lively music.

PHYED 112.10: Aerobics (Taebo) – 2 units

Aerobic exercise involving general endurance, flexibility, and coordination with the combination of Taekwondo and Kickboxing. All activities are done to the beat and rhythm of lively music.

PHYED 112.20: Powerboxing – 2 units

Power boxing is a modern physical fitness activity that many people are getting into nowadays. It is real boxing training without the risk of injuries caused by sparring. Power boxing makes use of shadow boxing training and focus mitt training, which covers all the fundamentals of boxing, which are: punching; slipping, bobbing and weaving; blocking, parrying, and covering; and footwork. Currently, many enthusiasts avail of this type of training in many of the fitness gyms all over the country, since what most people want is to get the benefits of training in boxing (physical fitness and self-defense) without really having to spar or compete in the ring. Although the course is designed for students who are assumed to have zero or near zero skill in boxing, students with prior boxing training also benefit from the class by having their technique refined and enhanced. The training framework is an amalgam of the most prominent and modern boxing philosophies at the time it was formed, and is designed to be the foundation from which more advanced boxing training can be pursued and higher level boxing skills can be attained.

PHYED 112.30: Aerobics (Step) – 2 Units

Aerobic exercise designed to develop cardiovascular endurance, muscular endurance, and other physical fitness components, involving calisthenics and dance movements performed on a prescribed bench, using music 126-130 beats per minute.

PHYED 113: Physical Fitness for Women – 2 units

Lectures and practical sessions on all aspects of physical fitness, including the development of individual fitness programs for students.

PHYED 113.1: Advanced Physical Fitness for Women – 2 units

Physical fitness concentration exercises for specific body type/muscle group.

PHYED 114: Weight Training – 2 units

Practical sessions geared toward the development of muscular fitness through lifting weights, with discussions on various theories of the program.

PHYED 115: Circuit Training – 2 units

This course aims to introduce the concept of circuit training as one of the forms of fitness training. Beginners are pushed to develop a solid foundation of muscular strength and endurance while intermediate and advanced skill students are guided to reach higher fitness levels. Theoretical foundations of circuit training are discussed and relevant motor skills are safely developed.

PHYED 116: Taichi – 2 units

Practical sessions on martial art movements with Qi (energy circulation, breathing, and stretching techniques) with lectures on the history, principles, and ethics of the art.

PHYED 117: Yoga – 2 units

Yoga is a way of life, an integrated system of education for the body, mind and inner spirit. This art of right living was perfected and practiced in India thousands of years ago. There are lectures and actual practice on proper exercise, yogic breathing, proper relaxation, positive thinking and meditation.

PHYED 121: Badminton – 2 units

Practical sessions involving instruction on basic badminton techniques, with lectures on the history, equipment, and rules and regulations of badminton.

PHYED 122: Table Tennis – 2 units

Lectures on the history, equipment, and rules of the game, with practical session on the basic strokes and spins, footwork and tactics.

PHYED 122.10: Advanced Table Tennis – 2 units

Practical sessions highlighting the correction and refinement of table tennis strokes, with numerous drills to further improve technical skills, and lectures/demonstrations on advanced offensive and defensive strategies in game situations.

PHYED 123: Lawn Tennis – 2 units

Practical sessions on basic strokes, footwork, and game strategies, with discussions on the history, equipment, and rules of the game.

PHYED 124: Running – 2 units

This course aims to introduce to students, running as a lifelong activity. Lecture on the effect of aerobic activity on one's health, proper running mechanics and planning a simple program is also discussed.

PHYED 124.10: Fitness Walking – 2 units

This course outlines the health and fitness benefits of walking and providing the students with the information they need to walk safely and efficiently, with lectures on walking to lose weight, increasing aerobic fitness, clothing and equipment, foot care, and walking first aid. Practical sessions on the basic and specialized aspects of walking plus an out-of-town culminating hike.

PHYED 125: Gymnastics – 2 units

These are instructional and practical sessions involving stunts, tumbling, and freehand exercises executed with music. The course also includes allied activities such as rope climbing and flexibility training.

PHYED 126: Track & Field – 2 units

The course performs different athletic activities which involve running, throwing, jumping events. It includes different conditioning exercises like warm-ups that are very needed in this activity. Students are guided on how to execute different proper techniques in running, jumping, throwing events. Eventually leading the students to understand and develop the skills and ability in this particular sport.

PHYED 127: Chess – 2 units

The course is an introduction to short history, development and basic chess strategy and tactics. It includes discussions on the different chess openings. This course develops in students the skills in concentration, decision making, planning, and self-discipline.

PHYED 128: Fencing – 2 units

Practical and instructional sessions on the art of using a foil or a sword for attack or defense, with lectures on the history, principles, and ethics of the sport.

PHYED 128.10: Advanced Fencing – 2 units

A continuation and review of the basics of foil fencing (PHYED 128) with the purpose of further improving footwork, offensive and defensive techniques, understanding of the rules, success in bouts, and proficiency in refereeing. In addition, the course introduces combination footwork exercises, tactical preparations, and circular parry. There are also a few sessions on the practical use of Sabre and Epee swords.

PHYED 131: Soccer – 2 units

Lectures on the history, equipment, and rules of the game, with practical sessions on the basic skills of ball handling and game strategies.

PHYED 131.10: Futsal – 2 units

This unit deals with the introduction of basic futsal or indoor soccer/football concepts to the students such as its origin and history, terminologies used in the game, proper equipment safety precautions in playing, the rules and laws of the game. This course shall also dwell in developing the student basic futsal skills such as their endurance, speed, accuracy, ball control, footwork and self-confidence. Through this course the students are given a chance to discover and explore their abilities and skills, their capabilities and limitations and at the same time experiences fun and enjoyment along the way.

PHYED 132: Softball – 2 units

These are lectures on the history, equipment, rules of the game, and game strategies, with a chance to discover and explore their abilities and skills, their capabilities and limitations and at the same time experiences fun and enjoyment along the way.

PHYED 133: Handball – 2 units

This course is an introduction to handball training. The student learns essential basic concepts such as its history, terminologies, safety precautions when playing, and the basic rules applied to the game. The basic principles and skills are included in this course, which aims to develop and hone the student's agility, endurance, speed, and footwork.

PHYED 134: Basketball – 2 units

Practical sessions on basic ball handling, shooting, dribbling, and strategies, with lectures on the history, equipment, and rules of the game.

PHYED 135: Volleyball – 2 units

Practical sessions involving basic volleyball skills (e.g. volleying, serving, bump-pass, etc.), with lectures on history, rules, and skills of the sport.

PHYED 135.10: Advanced Volleyball – 2 units

Lectures and demonstrations on court tactics and strategies, with physical conditioning activities to refine and correct basic volleyball skills, and numerous drills to enhance technical skills.

PHYED 141: Arnis – 2 units

Practical sessions on the fundamental skills and techniques of Arnis (e.g. striking, blocking, disarming, etc.), with lectures on the history, principles, and ethics of the sport.



PHYED 141.10: Advanced Arnis – 2 units

Arnis is the indigenous Filipino Martial Art with or without using weapons. By virtue of Republic Act 9850, it is hereby declared as the National Martial Art and Sport of the Philippines. This course tackles advanced offensive and defensive techniques and martial art skills in Arnis using the single stick or baston. Basic knife techniques are also incorporated. Various footwork is learned in order to maximize the effectiveness of the art in self-defense. Focus is more on defense and numerous stick and disarming techniques, trapping techniques and locking techniques, unlike the basic course (PHYED 141) wherein the sport aspect is the main highlight.

PHYED 142: Karate – 2 units

These are practical sessions on both offensive and defensive techniques: strikes, thrusts, kicks, blocks, and parrying, with physical training focused on the development of stance, movements, speed, and breathing. The course also covers lectures on the history, principles, and ethics of the sport.

PHYED 143: Gasaido Penjak Silat – 2 units

Gasaido Penjak Silat – is a Filipino style of PENCAK SILAT, it was established in 2002 by Master (Pendekar) Diosdado C. Cantomayor. The creation of Gasaido Pencak Silat was based on actual experiences and hands-on tutorial of respective instructors from Indonesia, specifically the founder of Nusantara Pencak Silat Bapa, Hadi Mulyo and O'ong Maryono. The principle of creation of Gasaido Penjak Silat is to adopt its philosophy the Noble Mind and character (Budi Perkerti luhur), because molding one's character is the essential aspect of helping individuals to become a good human being.

PHYED 144: Judo – 2 units

Developed in the mid-19th century by Jigoro Kano, Judo is now one of the most practiced sports all over the world. PHYED 144 introduces students to Kodokan Judo, an Olympic sport focusing on fundamental techniques and skills. The course also covers the development of Judo through the years as well as its philosophies, etiquette, and principles.

PHYED 144.10: Advanced Judo – 2 units

Advanced drills and techniques on throwing and grappling skills.

PHYED 144.20: Brazilian Jiu-Jitsu – 2 units

Practical and instructional session on grappling-based martial art, with focus on the aspect of practical self-defense. The course also includes lectures on the history, principles, and ethics of the sport.

PHYED 145: Self-Defense – 2 units

This course covers all the aspects of self-defense, from self-defense theories, vulnerable targets of the human anatomy, to the three ranges of fighting: 1) striking and kicking range, 2) grabbing and tackling range, and 3) ground grappling range. In the first phase, students learn how to strike, punch, and kick and other offensive techniques. In the second phase, students learn how to block, escape from grabs, and execute standing locking techniques and chokes. In the third phase, students learn how to fight on the ground, control the opponent with dominant ground positions, and execute locking and choking techniques. In the last phase, the students learn how to combine and apply all the lessons learned against “armed and unarmed” attackers in self-defense situations.

PHYED 146: Muay Thai – 2 units

Muay Thai, an ancient fighting art from Thailand. It follows a unique method of defensive and offensive techniques which makes use of the fists, elbows, knees and the feet. Hence, it is also referred to as the “science of 8 limbs”. Techniques are taught in a safe and modern way whilst keeping to the true nature of the art. Students are able to develop their strength, agility, coordination and endurance. More importantly, students are introduced to the heart of Muay Thai which instills confidence, dedication, respect and honor to one's parents and teachers.

PHYED 147: Wu Shu – 2 units

Wu Shu is the Chinese term for martial (wu) art (shu) and is used to specifically refer to Chinese Martial Arts. This course is designed to introduce students to one of the most basic and popular styles of Wu Shu weapons, the cudgel; also known as the "father of all weapons" because many other weapons were developed from it. Cudgel practice, which combines offense with defense, uses various methods such as swinging, jabbing, hanging, jumping, leaping, smashing, pointing, blocking, sheltering, holding, piercing, floating, carrying, poking and lifting. The basic cudgel training to be covered in this course consists of 32 Forms. Each form has practical applications that can be used for self-defense. Just like other Wu Shu styles, cudgel practice develops flexibility, strength, balance, coordination, stamina, reflexes and body awareness, as well as self-discipline and focus.

PHYED 149: Taekwondo – 2 units

Practical sessions on both offensive and defensive techniques (e.g. strikes, thrusts, kicks, movements, speed and breathing, and lectures on the history, principles and ethics of the sport.

PHYED 151: Philippine Dances – 2 units

This course is an orientation and learning process of the cultural variations in the Philippines represented by our ethnic and folk dances intended to develop and nurture a deeper understanding, awareness and appreciation of our country's rich culture.

PHYED 151.10: Philippine Folk Dance – 2 units

This course introduces various ethnic and folk dances from all over the Philippines, helping students develop a deeper understanding, awareness and appreciation of the country's rich cultural heritage. It reveals the different customs and traditions of different islands, and the desirable character, spiritual and moral traits of the Filipino nation.

PHYED 152: Tap Dance – 2 units

Practical session on the basic steps, step combinations, and dance choreography, with lectures on the historical background, and definition of terms.

PHYED 153: Basic Belly Dance – 2 units

"Basic Belly Dance" introduces belly dance as a culturally-grounded dance genre that is thousands of years old, but is still constantly evolving. The course introduces students to the fundamentals of this dance style, including the movement vocabulary, dance concepts, techniques in muscle control, and the differences among various styles of belly dance. These form the foundation by which students can create basic combinations of steps, organize their own choreography, and perform their own choreography at the end of the semester.

PHYED 153.10: Intermediate Belly Dance – 2 units, Prerequisite: PHYED 153

Intermediate Belly Dance is a follow up to the Basic Belly Dance course (PHYED 153): this course builds on both the knowledge and skills previously taught by a) increasing the level and volume of discussions on culture and sub-genres of Belly Dance and b) embellishing and varying basic Belly Dance movements. In addition, this course also teaches Tribal Style, including its movement vocabulary and dance concepts, techniques in muscle control, and stress on community and improvisation.

PHYED 153.20: Advanced Belly Dance – 2 units, Prerequisite: PHYED 153.10

Advanced Belly Dance is a follow up to the Intermediate Belly Dance course: this course builds on both the knowledge and skills previously taught by a) deepening discussions on culture, styles, and genre, b) increasing the repertoire of movements and c) adding to the students' skills in consolidating their movement vocabulary into choreography.

PHYED 154: Ballroom Dancing – 2 units

Instruction on basic dance steps (e.g. cha-cha, boogie, swing and tango), with lectures on movement, style, partner relationship, and social etiquette. The culminating activity is a group presentation of the various dance steps.

PHYED 154.10: Dancesports – 2 units

Teaching of basic dancesports steps, paso doble, cha-cha-cha, jive, rumba, samba. Lectures on movement, style, partner relationship, and social etiquette.

PHYED 154.20: Expressive Dance (Dance Movement Exploration) – 2 units

In this course, students experience dances that express and communicate ideas and feelings. Based on the Dance Movement Exploration (DME) developed by A.L. Dimarucut, this course aims to develop an individual's capability to act, it utilizes inner processes and body expression, significant both as a psychotherapeutic tool, and motor skill learning and teaching strategy in the recognition of an individual's capabilities in any movement activity.

PHYED 154.30: Adapted Physical Education and Recreation – 2 units

In this course, students with special needs participate in various psychomotor, cognitive and behavioral development programs. The course provides physical education and recreational activities that build self-awareness, self-esteem, and self-confidence. It is comprehensively designed to meet the needs and abilities of the students' functional development of the physical, emotional, social, and intellectual domains. This course aims to enhance the quality of life of the students by participating in physical education skills in an inclusive setting.

PHYED 155: Modern Jazz – 2 units

Lectures on the historical background, definition of terms. Practical session on basic steps, step combinations, and dance choreography.

PHYED 156: Foundation & Fundamentals of Breakin' – 2 units

Breakin' / Bboyin', commonly known as "Breakdance", is the dance form of the Hip-Hop Culture. It started in the 70's and has evolved into an established art form and profession in countries worldwide. This course teaches the foundation and fundamentals of Breakin' through various principles & exercises.

PHYED 157: Streetdance – 2 units

"Streetdance" uses elements from the different dance styles such as Breakin', Locking, Popping & New School Hip-hop, combining them to create choreography towards Hip-Hop, Rn'B or Popular Music. This course tackles the different elements and techniques used by the different styles in Street Dance.

PHYED 161: Recreational Activities – 2 units

The course introduces the students to various Filipino and western non-traditional sports and games, and physical activities. Topics range from emerging sports such as frisbee, dodgeball and flag football; adapted games like blanket volleyball, number ball and kickball, and local games such as patintero and tumbang preso. Aside from physical activities, fun mental activities are also introduced like Pictionary, Taboo, Guesstures, Scattergories etc. to make the activities holistic.

PHYED 162: Capability for Outdoor Research and Exploration (Core) – 2 units

CORE is designed to prepare students taking natural and environmental science courses, for field work in varying ecosystems and in actual conditions. It introduces students to outdoor activities that are necessary for safety, survival and accomplishment of field tasks and objectives. It involves planning and preparations, organizing logistics for field work in terrestrial, aquatic and coastal areas. Practical techniques for travel such as packing clothing and equipment are discussed including travel tips. Basic First Aid procedures are included as part of preparations for contingencies. Students are also taught how to interact with local communities and how to travel responsibly.

PHYED 163: Orienteering – 2 units

This course focuses on navigating from one point to another point in the shortest time possible with the use of a compass and map. Lessons include the use of compass and its parts, basic map reading and land navigational skills. This course emphasizes the practical application of land navigational skills through the sport of orienteering. Activities on this course require students to work in groups for shared experience and fun.

PHYED 171: Athletic Training and Conditioning I – 2 units

This is a class for student athletes. Practical and training sessions are taken depending on the student's particular sport.

PHYED 171.10: Athletic Training and Conditioning I – 2 units

This is a class for student athletes. Practical and training sessions are taken depending on the student's particular sport.

PHYED 171.20: Athletic Training and Conditioning II – 2 units

This is a class for student athletes. Practical and training sessions are taken depending on the student's particular sport.

PHYED 171.30: Athletic Training and Conditioning III – 2 units

This is a class for student athletes. Practical and training sessions are taken depending on the student's particular sport.

PHYED 171.40: Athletic Training and Conditioning IV – 2 units

This is a class for student athletes. Practical and training sessions are taken depending on the student's particular sport. This is the fourth course for student athletes. Practical and training sessions are taken depending on the student's particular sport.

ADMISSIONS

## ADMISSIONS

In the desire to get “as many as possible of the very best”, the Loyola Schools conducts the Ateneo College Entrance Test (ACET) and a rigorous admission process, which helps determine the applicant's fitness and preparation for the college programs, ability to contribute toward the enrichment of the undergraduate school community, and potential to be of service to one's fellow men within the context of national development.

The Committee on Admission and Aid is responsible for selecting the new undergraduate students. It bases its decisions principally on the Ateneo College Entrance Test (ACET) results (or on the Scholastic Aptitude Test (SAT1) scores, the predicted International Baccalaureate (IB) scores, or IB Diploma (if applicable), on past academic performance, recommendations, the application essay, and on other information provided in the application form.

### APPLICATION GUIDELINES FOR LOCAL APPLICANTS

All freshman applicants must visit <https://acet.ateneo.edu/apply/>.

Applicants from a select number of high schools are required to apply using the Online Application System. They must then fill out the application form and all requirements must be submitted online. Upon completion, they are issued an exam permit for the ACET.

Applicants from high schools not listed in the online application system are required to download the application form. They must then fill it out and submit all requirements either directly to the Office of Admission and Aid (OAA) or to one of the Provincial Testing Centers (PTC). Upon submission, they are issued an exam permit for the ACET.

The ACET is administered in September of every year at Ateneo Loyola Heights Campus, at Xavier School, and at PTCs.

In lieu of the ACET, local applicants under the IB Diploma Programme may opt to submit their predicted IB scores in January or their IB Diploma in July.

### THE ATENEO DE MANILA'S INTERNATIONAL BACCALAUREATE (IB) POLICY FOR ADMISSION TO THE LOYOLA SCHOOLS

In lieu of taking the ACET, Freshman applicants under the IB Diploma Programme may either submit their predicted IB scores or IB Diploma.

Applicants may submit their predicted IB scores, provided that the following conditions are met:

- a) the applicant must have a total predicted score of 28 or higher
- b) the applicant's school must have been administering the IB for at least five years
- c) the applicant must be able to submit the predicted scores covering Grade 11 and at least one semester of Grade 12

On the other hand, those who wish to submit their IB diploma may do so provided that the following conditions are met:

- a) the applicant's school is not on its first year of administering the IB
- b) the IB Diploma was awarded within the last two years

Applicants who opt to replace the ACET with either their predicted IB scores or their IB diploma have to download the application form at <https://acet.ateneo.edu/apply/>, fill it out, and submit all requirements, including a letter explicitly indicating their intention to use either one of the two options.

#### APPLICATION GUIDELINES FOR INTERNATIONAL APPLICANTS

An applicant living and/or studying at school outside the Philippines is considered an *international applicant*.

In lieu of taking the Ateneo College Entrance Test (ACET), international applicants may submit either their 1) Scholastic Aptitude Test (SAT1) scores, or their 2) predicted International Baccalaureate (IB) scores, or their 3) IB diploma.

The SAT1 must have been taken within the last two years prior to application.

Applicants from the Middle East are encouraged to submit all application requirements and to take the ACET at the International Testing Centers (ITC).

#### A. APPLICATION PROCESS

##### 1. Acquisition of Application Forms

Applicants must visit <https://acet.ateneo.edu/apply/> for instructions. They must then download and print the application kit which includes the following:

- 5-page application form, including checklist
- High School Record and Principal's Recommendation Form
- Guidance Counselor's/Class Adviser's Recommendation Form
- Teacher's Recommendation Form
- Exam Permit, if taking the ACET

##### 2. Submission of Requirements

a) Applicants must fill out all necessary forms, and submit all requirements as listed below:

- 5-page application form, including checklist
- Sealed High School Record and Principal's Recommendation Form
- Sealed Guidance Counselor's/Class Adviser's Recommendation Form
- Sealed Teacher's Recommendation Form
- Personal Essay
- Exam Permit (or SAT1 scores, predicted IB scores, or IB Diploma, *in lieu of taking the ACET*)

b) The application fee, as stipulated below, is non-refundable.

<i>For international applicants who opt to submit one's SAT1 scores, predicted IB scores, or IB diploma</i>	US\$50 or PhP2,500
<i>For international applicants who opt to take the ACET at the International Testing Center</i>	US\$100

c) Applicants may submit all requirements via courier to the Office of Admission and Aid or to the nearest International Testing Center.

d) Deadlines:

<i>Mid-August</i>	Submission of application requirements and registration for the ACET of applicants taking the ACET in September
<i>3<sup>rd</sup> week of September</i>	Submission of application requirements and registration for the ACET of applicants taking the ACET at International Testing Centers in October  Submission of application requirements of applicants from the Middle East who opt to replace the ACET with SAT1
<i>Mid-November</i>	Submission of application requirements of applicants who are not from the Middle East and who opt to replace the ACET with SAT1

### 3. Application Decisions

Decisions on each application for admission and scholarship will be sent via email directly to the applicant.

#### B. UPON ACCEPTANCE

In support of the internationalization initiatives of the Loyola Schools, an international student fee will be collected per semester from non-Philippine passport holders (both resident and non-resident).

Non-Philippine passport holders must immediately contact the Office of International Relations (OIR) for assistance in their application for Student Visa or Special Study Permit. Dual citizens are likewise required to get in touch with OIR regarding submission of proof of Filipino citizenship. For more details, students may visit <https://global.ateneo.edu/>.

As part of the Ateneo de Manila curriculum, international students are required to take two courses under the Filipino for Non-Filipino Speakers (FNFS) Program.



## APPLICATION GUIDELINES FOR TRANSFER APPLICANTS

A small number of transfer students are accepted into the Loyola Schools every year. The total number of units that may be credited from one's previous school may not exceed 30 percent of the total number of academic units required in the program at Ateneo de Manila. Credits earned for PE and NSTP may also be validated following the same procedures for validation of academic courses. Courses to be validated must have been taken within four years prior to the student's transfer to Ateneo de Manila.

To transfer credit for a particular course, the grade earned in one's previous school must be at least a C, or one full grade higher than the passing grade (using the previous school's grading system). Any additional requirements for validation (e.g., validation exam) are determined by the validating departments.

Unless otherwise specified, Ateneo core curriculum courses should be taken in Ateneo de Manila. However, core curriculum courses taken in other Jesuit universities, both in the Philippines and abroad, may be validated for equivalent Ateneo core curriculum courses, subject to the requirements of the validating departments.

The validation process must be completed by the end of the student's first year in the Loyola Schools.

Because of the structure of the Ateneo curriculum, transferees automatically become "irregular" students. Those who finish two years in another college generally need at least three more years to finish their degree at Ateneo de Manila.

### A. PREREQUISITES

The applicant must be taking the full load requirement per semester, and must have finished one full school year in the university he or she is enrolled in by the time the application requirements are submitted.

The applicant must not have been a college student or should not have been previously enrolled in the Loyola Schools of Ateneo de Manila University.

The applicant must not have finished an undergraduate degree in any college or university before and/or during the application period.

### B. APPLICATION PROCESS

1. Both local and international applicants must visit <https://acet.ateneo.edu/apply/> for instructions. They must then download and print the application kit which includes the following:

- 5-page application form, including checklist
- Two (2) Recommendation Forms
- Exam Permit, *if taking the ACET*

2. Applicants must then register for the ACET on or before the given deadline by submitting the filled-out Exam Permit directly to the Office of Admission and Aid, or to any of the provincial testing centers in Cagayan de Oro, Cebu, Davao, Iloilo, Naga, and in Zamboanga.
3. Applicants take the ACET in January.
4. Applicants must then submit to the Office of Admission and Aid the rest of the requirements on or before the given deadline:
  - 5-page application form, including checklist
  - Two (2) sealed Recommendation Forms
  - Certified true copy of all grades from First Year College up to the most recent applicable semester of the present school year (*copies of class cards or online grades certified by the school may also be submitted in lieu of the transcript*)
  - SAT1 scores (*only for international applicants who opt to replace ACET with SAT1*)
5. The application fee, as stipulated below, is non-refundable.

<i>For local applicant</i>	PhP600
<i>For international applicant who opts to take the ACET or submit one's SAT1 scores</i>	US\$50 or PhP2,500

6. Applicants who want to apply for scholarship must submit the Scholarship/Financial Aid Questionnaire and all requirements, together with the application requirements for admission, to the Office of Admission and Aid.
7. Decisions on each application for admission and scholarship will be sent via email directly to the applicant.

## SCHOLARSHIPS

### Merit Scholarships

The very best applicants to the Ateneo de Manila University are awarded the Ateneo Merit Scholarship. This is based on their excellent performance in the Ateneo College Entrance Test (ACET), and their individual rank and leadership roles in their respective senior high schools. Recipients of the award show great promise for the future and the potential to become leaders and catalysts for national development. There are two types of Merit Scholarships and are distinguished as follows:

1. The recipients of the *Ateneo Freshman Merit Scholarship (AFMS)* are identified as the TOP 50 applicants from local private and public schools, and from senior high schools abroad.
2. The recipients of the *San Ignacio de Loyola Scholarship (SIDL)* are identified as TEN of the best applicants from public and science high schools in the Philippines. Recipients of the Merit Scholarship can select any four or five-year course of their choice. They are awarded

a full tuition and fees grant, and P50,000 annual allowance. In addition, those from outside Metro Manila will receive an on-campus dormitory scholarship.

#### Academic Scholarships

1. The *Loyola Schools Director's List Scholarship* is an academic grant awarded to top freshman applicants to the Loyola Schools who have stood out and have done very well in the Ateneo College Entrance Test (ACET), in their academics, and have distinguished themselves academically and in leadership roles in their respective senior high schools. For SY 2020-2021, the awardee shall receive a P100,000 scholarship grant for any undergraduate course of his or her choice.
2. The *Fr. Thomas B. Steinbugler, S.J. Academic Scholarship* is an academic grant awarded to Valedictorians and Salutatorians of Jesuit High Schools who are accepted to the Loyola Schools. Upon presentation of a certification from the high school principal, a Valedictorian receives a 100% Tuition and Fees Scholarship, while a Salutatorian receives a 50% Tuition and Fees Scholarship.
3. The *Fr. Bienvenido F. Nebres, S.J. Science Academic Scholarship* is an academic grant awarded to the Valedictorians and Salutatorians of science high schools who are accepted to the Loyola Schools in any degree program under the School of Science and Engineering. Upon presentation of a certification from the high school principal, a Valedictorian receives a 100% Tuition and Fees Scholarship, while a Salutatorian receives a 50% Tuition and Fees Scholarship.
4. The *Jose P. Rizal Academic Scholarship* is an academic grant awarded to Valedictorians and Salutatorians of public high schools who are accepted to the Loyola Schools. Upon presentation of a certification from the high school principal, a Valedictorian receives a 100% Tuition and Fees Scholarship, while a Salutatorian receives a 50% Tuition and Fees Scholarship.

#### Athletic Scholarships

Athletic Scholarships are awarded to student-athletes who have excelled in both sports and academics. Aside from being financially challenged, applicants must have outstanding athletic ability and must be a recipient of awards in their specific sport. Applicants must also secure the recommendation of the Ateneo coach and program head for the sport.

### FINANCIAL AID GRANTS

For close to six decades now, the Ateneo College Scholarship Program for deserving but financially challenged students continues to thrive – thanks to the University's unwavering commitment and the constant support of many generous alumni and other benefactors. For School Year 2019-2020, 17% of the total college population enjoyed financial support.

### *Application Procedure*

All applicants for scholarship must submit a filled-out Scholarship/Financial Aid Questionnaire and the required documents together with their Application for Admission form, whether this is submitted online or physically at the Office of Admission and Aid.

Applications without the required documents or with incomplete information will not be processed. Parents or legal guardians may be called for an interview for clarification of data given. All given information is kept confidential.

Application for scholarship does not influence in any way the decision concerning the acceptance into the college. Scholarship applicants, therefore, should not wait for their application for admission before securing or submitting a scholarship application form. With limited scholarship slots each year, the Committee on Admission and Aid makes its decision on each application after carefully examining the results of the Ateneo College Entrance Test (ACET) together with the academic record of the applicant, the family's finances, and school recommendations.

### *Criteria for Selection*

Financial Aid grantees are selected on the basis of:

1. financial need as clearly evident in the Scholarship/ Financial Aid Questionnaire
2. intellectual ability and proven consistent academic performance
3. service to the community and potential for greater service in the future.

### *Types of Grant*

Financial aid may be one or a combination of the following:

- 25% tuition and fees
- 50% tuition and fees
- 75% tuition and fees
- 100% tuition and fees
- Book and/or Transportation allowance
  - P10,000 / semester
- Food allowance
  - P3,000 or P5,000 / month
  - Granting of this allowance is based on the annual income of the applicant's parents or legal guardians, and whether the applicant comes from Metro Manila or the province.
- Dormitory scholarship
  - 100% or 50% scholarships at the Ateneo Residence Halls
  - P27,500 per semester for off-campus dorm assistance

### *Program of Study and Tenure of Award*

Scholarships and financial grants are awarded to students in all programs of study in the Loyola Schools. The grant is given for a year only, but may be renewed upon evaluation of the

student's continued financial need and above average satisfactory academic performance. It covers Intersession terms and basic courses, if these are required.

### *Government and Other Scholarships*

All applicants are encouraged to take qualifying examinations given by various government agencies, private groups, or foundations, specifically, DOST-SEI and CHED. Awardees may come to the Ateneo de Manila under such scholarships.

### *Other Services Available to Scholars*

1. *Psychosocial Support for Scholars* – For scholars who need someone to talk to, have difficulty coping with ADMU life, or find themselves in a crisis.
2. *Emergency Medical Assistance* – Support for medicines, laboratory, and other medical tests, immunizations, doctor and therapist fees, etc.
3. *Meal and Food Discount Coupons* – Assistance provided by the Ateneo Multi-Purpose Cooperative (AMPC) and Ateneo Alumni Scholars Association (AASA).
4. *Retreat Subsidy* – Financial subsidy for graduating scholars who participate in the Seniors' Retreat handled by the Campus Ministry Office.
5. *Mentoring* – Academic guidance and counseling
6. *Tutorials* – Academic assistance for difficult subjects through the assistance of upperclassman scholars who are tapped as tutors.
7. *Support for Participation in Contests and Conferences Abroad, etc.* – Monetary assistance for their official, school-endorsed travel abroad.
8. *Support for Management Entrepreneurial Project, Thesis, etc.* – Financial support for scholars required to undertake special projects or thesis with huge expenses projected.
9. *Petty Cash Loan* - Loan for P500 or less for emergency personal needs (payable within a week of borrowing).
10. *Allowance Opportunities* – Ateneo offices coordinate with the OAA in providing various part-time jobs in the campus for selected scholars. Student rate is P50/hour. Tutoring other students to earn additional allowance may also be arranged.
11. *Incentive for Honor Students* – An incentive of P4,000 is awarded to scholars who have a perfect 4.0 QPI every semester.
12. *Allowance Support During Calamities* – Families of scholars affected by calamities such as strong typhoons, flood, and earthquakes may request for emergency assistance for the needs of the scholar concerned.

A handbook for scholars which includes policies and procedures is distributed to freshman scholars each year.

### *Contact Information*

Office of Admission and Aid

G/F Kostka Hall

Tel: (632) 8426-6001 loc. 5154 to 5155 / (632) 8426-6075

Fax: (632) 8426-1214

E-mail: [admissions.ls@ateneo.edu](mailto:admissions.ls@ateneo.edu)

Web: [www.ateneo.edu/ls/undergraduate-programs](http://www.ateneo.edu/ls/undergraduate-programs)

Facebook: [www.facebook.com/ADMUadmissions](https://www.facebook.com/ADMUadmissions)

## CREDIT BY EXAMINATION PROGRAM

The Credit by Examination Program (CEP) refers to the system by which incoming freshmen who feel that they have already sufficiently achieved the learning objectives of a foundation course required in their program of study qualify for exemption from a course by taking and successfully passing a validation exam, which is equivalent to a comprehensive exam in the course.

1. The requirement for passing a CEP exam is the attainment of a score equivalent to a “B” standing for the course in question.
2. A student who passes the validation exam is exempted from taking a particular course and receives credit for that course. A student may earn a maximum of 18 units of credit through CEP.
3. Because successful CEP examinees are exempted from taking a particular course, they have the opportunity to complete degree requirements earlier. However, the freed up space can also be used to complete a minor, pursue a double degree, participate in a student mobility program (e.g., JTA), or take free electives. The option to take additional courses is left to the individual student.
4. Because it is too early for students to know how best to maximize their language opportunities in their first year, students who are able to successfully participate in the CEP will not be allowed to underload in their first year. Instead, they will be asked to complete their load by taking second year subjects in place of their credited courses.

## BASIC COURSES

Basic Courses are given to first year students who need better preparation in Mathematics and Chemistry.

1. The courses include MATH 2 (Preparatory Course to Calculus) and CHEM 002.20 (Basic Chemistry for Biologists).
2. A standardized diagnostic or Departmental exam is given within the first few weeks of the first semester to confirm the student's placement in a basic course.
3. The basic courses are part of the college curriculum. The regular courses are then taken at a future term or during the Intersession of sophomore year.

## PRE-LAW

Due to the rigorous training and holistic formation that the Ateneo de Manila offers, all of the programs under the Loyola Schools may be suitable preparation for students of law. While all of the programs under the Loyola Schools may be suitable preparation for studies in law, each law school sets its own minimum standards.

## PRE-MED

The Loyola Schools offers several undergraduate programs that prepare students for medical studies. They are BS Biology, BS Health Sciences, BS Life Sciences, and BS Psychology. These programs provide courses needed by the students to be admitted to medical schools not only in the country but also abroad. Of these programs, the BS Health Sciences program is designed to provide a seamless, integrated preparation for the professional training in the Ateneo School of Medicine and Public Health.

LOYOLA SCHOOLS  
REGULATIONS



# LOYOLA SCHOOLS REGULATIONS

## GENERAL REGULATIONS

The Ateneo de Manila University is a Filipino, Catholic, Jesuit community committed to the preservation, extension and communication of truth and its applications for the fullest development of the human person. The Ateneo de Manila University's Loyola Schools (hereinafter referred to as "Loyola Schools"), founded on the revered tradition of excellence and service, is concerned with the harmonious development of the intellectual and moral virtues of the students so that they may give greater glory to God and greater service to others.

1. The regulations of the Loyola Schools as set forth in this Handbook are calculated to secure the good order necessary for the effective pursuit of knowledge, to help the students attain the level of quality work required of them and to ensure proper department of the entire body.
2. The student's registration in the Loyola Schools is considered an expression of willingness to abide by all the rules and regulations prevailing in the Loyola Schools. Every student, therefore, is committed to the observance of these rules.
3. A student is in college primarily to achieve academic excellence and develop his/her total self for the service of his/her brethren. The standard set before each student presupposes maturity, responsibility, and judicious use of all the opportunities made available by the Loyola Schools.
4. Students are encouraged to use the library facilities and to consult regularly with their faculty advisers, and whenever necessary, with the Guidance Counselors and Campus Ministers.
5. A student whose parents do not reside in Manila should have a guardian in the city who is duly authorized by the parents to assume their responsibilities towards him/her.
6. Special University and School functions, being part of a student's life, should be attended by all students.
7. The student is encouraged to develop a deep Christian piety by regular participation in the religious exercises and services of the Loyola Schools. Regular retreats are scheduled for student groups; at least two Masses are offered in the Loyola Schools Chapel daily and the Sacrament of Reconciliation (Confession) is available every day at designated hours.
8. The Ateneo de Manila has always considered co-curricular activities and athletics essential to the balanced formation and development of the student. Activities and athletics are part of the community life of the Loyola Schools. Therefore, each student should participate in one or several activities to the extent that his/her studies will allow.
9. Co-curricular activities, however, are meant to supplement studies, not to interfere with them. Hence, the Loyola Schools reserves the right to advise against participation in activities, if the student needs to devote more time to studies.

10. A student-athlete who is not a full-time student of the Loyola Schools or whose QPI rating is below the published catalog norms may not represent the Ateneo in inter-collegiate sports.
11. Students, as individuals or groups, may not use the name and/or seal of the University without authorization from the activity moderator and the approval of the Director of Student Activities. This applies to printed programs, invitations, announcements, tickets, and similar materials.
12. Activities of Loyola Schools students in the context of their membership in an accredited student organization should have the written approval of the Director of Student Activities. Appeals, however, may be made to the appropriate Associate Dean.
13. Articles and news releases concerning the Ateneo de Manila should be cleared through the offices concerned.
14. The regulations governing the payment of tuition and other fees are issued from time to time by the Office of the Treasurer.
15. The Loyola Schools student, by joining this community of scholars, assumes the responsibilities, rights, and obligations of scholarship, which pertains to his/her status as a student. Because he/she is serving a period of intellectual apprenticeship, the student is expected by both his/her superiors and peers to perform his/her academic duties according to the proper standards. His/her status as a student commits him/ her to a time of serious study, the results of which are gauged by the marks he/she secures.

## ACADEMIC REGULATIONS

16. The Committee on Academic Standards interprets the published undergraduate academic regulations of the Ateneo de Manila University Loyola Schools, which is composed of the School of Humanities, the John Gokongwei School of Management, the School of Science and Engineering, and the School of Social Sciences. This Committee reviews all cases of an academic nature, i.e., honors for graduation, program awards, departmental QPI requirements beyond the minimum set by the Loyola Schools, status of deficient students, probation, readmission, the exceptions to a given rule, change of grade, etc. All appeals must be made in writing and submitted through the Associate Dean for Academic Affairs (ADAA) by the deadline set by the ADAA.
17. A student's list of officially registered courses on the Ateneo Integrated Student Information System (AISIS) is the official record of subjects in which the student is enrolled. Any change must be accomplished by the student on the official load revision forms.
18. Students should complete the registration process to be considered officially enrolled. The complete registration process involves:
  - a. Enlistment in advised classes
  - b. Payment of the assessed fees
  - c. ID validation

A student must be officially enrolled to participate in classes, e.g., join groups, submit papers, or take exams. Only students who are officially enrolled are entitled to grades at the end of the semester or term. If there are any special circumstances that prevent a student from completing registration, he/she should immediately see the School Registrar.

19. Any change in a student's degree program or major after the initial registration period is permitted only at the written request of the student with the approval of the respective Chairpersons or Program Directors and the ADAA. The copies of the completed Change of Degree Program or Application for Minor/Specialization Form must be signed by the offices concerned and submitted by the student to the Office of the Registrar.
20. Substitution of one subject for another shall not be allowed without the properly accomplished Load Revision form. No request to change a subject shall be entertained after the first week of instruction in the semester. The completed Load Revision form, duly signed by the offices concerned, must be submitted by the student to the Office of the Registrar by the deadline set by the Office of the ADAA or the Office of the Registrar.

Students may only add subjects after the initial registration period by filling out the Load Revision form. No request to add a subject shall be entertained after the deadline set by the Office of the ADAA or the Office of the Registrar for such changes. The completed Load Revision form, duly signed by the offices concerned, must be submitted by the student to the Office of the Registrar by the deadline set by the Office of the ADAA or the Office of the Registrar.

No student may drop a registered subject without the approval of the instructor, his/her home Department Chairperson/Program Director, the Department Chairperson/Program Director of the subject, and the ADAA. Otherwise, the student shall receive a grade of W (WITHDRAWAL) for the subject. However, while the request is pending, the student must continue to attend the class(es) that are to be dropped until the completed form has been signed by the offices concerned and submitted by the student to the Office of the Registrar. No request to withdraw from a subject shall be entertained after the deadline set by the Office of the ADAA or the Office of the Registrar. This request may be availed of only by students who have not exceeded the number of absences permitted by the Loyola Schools. (See Section 24.)

21. A student who withdraws from the Loyola Schools is entitled to Transfer Credentials under the following circumstances:
  - a. The student is free from all financial and/or property accountabilities.
  - b. The student's admission credentials are complete and in order.
  - c. The student is not serving a penalty of suspension or expulsion.
  - d. The student has secured clearance from the concerned offices within the Loyola Schools.

Withdrawal shall be effective as of the date the completed Clearance and Load Revision forms are filed with the Office of the Registrar.

22. A student who will not enroll at the Loyola Schools for non-academic or non-disciplinary reasons shall secure a LEAVE OF ABSENCE, which may be granted on the following conditions:
  - a. the student is in good academic standing
  - b. the student is in good disciplinary standing
  - c. the student may not study or enroll in another school during the LEAVE OF ABSENCE
  - d. the period of leave may not exceed one academic year
  - e. the student may normally secure a LEAVE OF ABSENCE only once during his/her entire stay in the Loyola Schools.
23. The unit of instruction used for computing the amount of work required for graduation is the semester hour. One semester hour is equivalent to an hour's lecture or recitation per week for one semester.
24. Regular attendance in all classes is one of the most important obligations of students. They are expected to attend all scheduled class exercises and activities. Honor students are allowed unlimited absences, unless specified otherwise by the instructor in the class syllabus. Students are held responsible for all matters taken and assignments given in their absence.
25. A limited number of absences is permitted, but these absences must not exceed three times the number of semester hours of the subject. Thus, for a three-unit subject, the maximum allowable absence is nine class hours. The maximum allowable absence in science laboratory classes is three laboratory sessions. The maximum allowable absence in psychology laboratory classes is two sessions. There is no distinction between excused and unexcused absences. There is no such thing as a free cut.
26. For absences beyond this norm, a student receives an automatic grade of W (WITHDRAWAL).
27. Class hours lost by late registration are considered as absences.
28. A student who is absent from class is responsible for all work given by the instructor on the day of his/her absence.
29. Class attendance should not only be regular; it should be punctual. Recording lateness as an absence shall be left to the instructor's discretion.
30. All subjects that form part of a student's program of studies for his/her degree in the Loyola Schools are graded on a CREDIT basis, i.e., a letter mark with a corresponding Quality Point Value. A student may register for a subject on an AUDIT basis for those subjects outside a student's program of studies subject to the approval of the student's home department chair. No credit is given for subjects taken on an Audit basis.

No student may change the grading option of a subject after the deadline set by the Office of the ADAA or the Office of the Registrar. The change shall only be valid once the completed load revision form is signed by the offices concerned and submitted by the student to the Office of the Registrar.

31. Six units of FREE ELECTIVES are provided for students to pursue their own interests. They can choose these FREE ELECTIVES only from the outer core curriculum subjects and from subjects not required by their home department/program. (Note: This is only applicable to pre-2018 versions of curricula)
32. Students enrolled in less than twelve units are classified as part-time. Units in freshman basic and bridging subjects (ENGL 9, ENGL 10, FILI 1, FILI 2, MATH 1.1, MATH 1.2, MATH 2, and CHEM 2.20) are counted as part of the load. Cross- registrants (from other schools) and part-time students are subject to all the academic regulations of the Loyola Schools.
33. The student's grade in any subject is computed at the end of each semester. A grade is based not only on formal examinations, but on every kind of academic evidence: recitation, term papers, book reports, written and oral tests, class participation, student's conduct in class, field work, etc. Attendance does not form part of the student's grade for the subject.
34. A student who cheats in any test or examination receives a grade of F (FAILURE) for that test or examination.
35. The academic performance of students is expressed by the marks they receive in the subjects enrolled. These marks, their respective meanings, and corresponding quality point values, are as follows:

A Fulfillment of the requirements set for the subject to a high degree of academic performance as shown by both an intelligent grasp and superior critical appreciation of the course content.

Quality Point Value: 4

B Fulfillment of the requirements set for the subject to a degree above satisfactory performance as shown by both an intelligent grasp and rudimentary critical appreciation of the course content.

Quality Point Value: 3

C Satisfactory fulfillment of the requirements set for the subject as shown by a fairly intelligent grasp of the course content.

Quality Point Value: 2

The grades of B+ (Quality Point Value: 3.5) and C+ (Quality Point Value: 2.5) are given for those inevitable borderline cases which, in the professor's estimation do not merit the higher grade and at the same time definitely deserve better than the lower grade or mark.

D Passing fulfillment of the minimum requirements for the subject.

Quality Point Value: 1

F Failure: Non-fulfillment of minimum requirements for the subject.

Quality Point Value: 0

W Withdrawal from a subject without permission.

Quality Point Value: 0

Besides the marks indicated above, the following supplementary marks also appear on a student's report:

- INC Incomplete (temporary grade)
- NE No final examination (temporary grade)
- WP Withdrawal from a subject with permission. No quality point
- AUD Audit. No quality point
- S Satisfactory performance in InTACT and in basic or bridging subjects. No quality point
- U Unsatisfactory performance in InTACT and in basic or bridging subjects. No quality point

36. The Quality Point Index (QPI) or weighted average is the measure of the quality of a student's general academic performance for a regular academic term. As such, the student's promotion, graduation, or separation from the Loyola Schools are determined by whether or not the QPI requirement for a given academic year, which consists of two semesters and the preceding Intersession Term, is satisfied.

The year's QPI is computed by:

- a. Multiplying the quality point value of the letter grades in each subject by the number of units of credits in the subject, and
  - b. Adding these products and dividing the result by the total number of units taken during the academic term or year.
  - c. Grades in basic and bridging subjects (ENGL 9, ENGL 10, FILI 1, FILI 2, MATH 1.1, MATH 1.2, MATH 2, and CHEM 2.20), InTACT, P.E. and N.S.T.P. are not included in the computation of the QPI.
37. The students are responsible for ascertaining their general academic performance periodically and especially at the end of each semester.
38. Students should ensure that they have taken and passed all required subjects/courses towards the completion of their degrees. Students should regularly review their Individual Programs of Study (IPS) on the Ateneo Integrated Student Information System (AISIS) to ensure that they do not lack any subjects to graduate on time. If subjects/courses are not yet listed as "passed" on AISIS but the student believes he/she has already passed the said subjects/courses, the student should report to the Office of the Registrar immediately.
39. Rules on promotion, graduation, and separation of a student from the Loyola Schools:
- a. The promotion, graduation or separation of a student from the Loyola Schools is determined by the year's QPI of the student. The year's QPI is computed on the basis of the total load taken in the school year. A school year is normally defined as two semesters and the preceding Intersession.

- b. For unconditional promotion to sophomore year, a freshman should secure a year's QPI of 1.80 or above at the end of the second semester of the academic year.
- c. The required year's QPI at the end of the second semester of sophomore year for eligibility for junior year is 1.90.
- d. The required year's QPI at the end of the second semester of junior year for eligibility for senior year is 2.00.
- e. The required year's QPI at the end of the second semester of senior year for eligibility for the 5th year for those enrolled in a five-year undergraduate degree program is 2.00.
- f. The required year's QPI for seniors and 5th year students for eligibility for graduation is 2.00.

The computation of the Senior/5th Year QPI for graduation eligibility is as follows:

- i. Regular Senior/5th Year student: a student who completes all degree requirements within the prescribed period of time (4 years for a 4-year degree program; 5 years for a 5- year degree program).
  - The Senior/5th year QPI is computed on the basis of the total load taken in the final school year of the program.
- ii. Irregular Senior/5th Year student: a student who is unable to complete all degree requirements within the prescribed 4 or 5 year period of his/her program and therefore needs an additional term(s) to complete degree requirements.
  - For students who take 18 units or less, the Senior/5th year QPI is computed on the basis of the total load taken in the previous SY and the additional term(s) needed to complete degree requirements.
  - For students who take more than 18 units, the final Year QPI is computed on the basis of the total load taken in the additional term(s).
- g. Seniors/5th Year students who do not meet the required QPI for graduation will not be entitled to a diploma. No degree or date of graduation will be indicated in the student's transcript of records.
- h. No student may repeat more than once any subject where a failure has been incurred. Exception to this rule shall be made upon recommendation of the Chairpersons of the departments concerned.
- i. No student who incurred a failure or deficiency in any subject during a semester shall be permitted a recovery overload during the following semesters.
- j. College seniors may overload a maximum of six (6) units per semester. However, their total load (regular load + overload) should not exceed twenty-four (24) units.
- k. Students who do not meet the QPI requirement for their year level may be admitted on probation and allowed to continue their studies at the discretion of the Vice

President for the Loyola Schools after consultation with the Standards Committee. Students must write a letter of appeal to the Standards Committee (through the Office of the ADAA) if they apply for probation.

- l. A student may be granted probation only once during his/her entire stay in the Loyola Schools upon the recommendation of the Standards Committee to the Vice President for the Loyola Schools. No second probation is given.
40. Freshman and sophomore students are required to register for all core curriculum subjects designated by their program. They shall not be allowed to withdraw from these subjects. Exceptions to this rule shall be made by the Associate Dean for Academic Affairs.
- Juniors and Seniors shall not be allowed to drop subjects so that their total load falls below twelve units.
41. In extraordinary circumstances, when some requirement of a subject (except the final examination) has not been met, the student shall be given the temporary grade of INC (Incomplete). No student on Probation shall be given the grade of INC or NE. The INC mark is changed to a letter grade following this procedure:
- a. submission of completed work to the instructor
  - b. evaluation by the instructor and submission of letter grade to the Chairperson
  - c. submission by the Chairperson of the grade to the Registrar.

The entire procedure must be completed within two weeks after the distribution of grades so that no marks remain INC after the two-week period. Any request for extension of the INC shall be subject to the approval of the Associate Dean for Academic Affairs.

42. The temporary grade of NE shall be reported to the Registrar for every subject in which a student is absent from the final examination. In case the absence is not approved by the ADAA, the grade for the examination shall be changed automatically to F. If the absence has been caused by some grave reason, the student should apply to the Office of the ADAA not later than the second day following the examination for approval for a deferred examination. When, in the judgment of ADAA, the reason for the absence has been sufficiently justified, the student shall be granted the privilege of a deferred examination.
43. Honors are awarded at the end of each semester on the basis of the semestral QPI. The QPI is based on a semestral load of at least fifteen academic units with all the grades carrying the corresponding Quality Point Values.
- a. First Honors are awarded to students with a semestral QPI of 3.70 and above.
  - b. Second Honors are awarded to students with a semestral QPI of 3.35 or above but lower than 3.70.

The semestral QPI is computed by:

- a. Multiplying the quality point value of the letter grades in each subject by the number of units of credits in the subject, and



- b. Adding these products and dividing the result by the total number of units taken during the given semester.
  - c. Grades in basic and bridging subjects (ENGL 9, ENGL 10, FILI 1, FILI 2, MATH 1.1, Math1.2, MATH 2, and CHEM 2.20), InTACT, P.E. and N.S.T.P. are not included in the computation of the QPI.
44. To be eligible for Graduation Distinction, students must have completed a minimum of 80 percent of the total number of units required for graduation in their program in the Loyola Schools and only resident credits shall be included in the computation.

Latin honors and honorable mention are awarded on the basis of the following cumulative QPI at the time of graduation:

- a. Summa Cum Laude = 3.87 - 4.00
- b. Magna Cum Laude = 3.70 - 3.86
- c. Cum Laude = 3.50 - 3.69
- d. Honorable Mention = 3.35 - 3.49

The cumulative QPI is computed by:

- a. Multiplying the quality point value of the letter grades in each subject by the number of units of credits in the subject, and
- b. Adding these products and dividing the result by the total number of units taken throughout the student's entire stay in the Loyola Schools.
- c. Grades in basic and bridging subjects (ENGL 9, ENGL 10, FILI 1, FILI 2, MATH 1.1, MATH 1.2, MATH 2, and CHEM 2.20), InTACT, P.E. and N.S.T.P. are not included in the computation of the QPI.

Students who graduate from more than one program may receive Latin honors or honorable mentions only once.

45. A student may take a subject in another school with the approval of the Department Chairperson, the Associate Dean for Academic Affairs, and the Registrar, based on the following conditions:
- a. the subject is not a core curriculum subject
  - b. the subject is not offered in the Loyola Schools for that particular term
  - c. the subject is validated by the department concerned.

Forms are available at the Office of the ADAA.

46. All students, regardless of citizenship, are required to take the NSTP- PLUS of the Ateneo de Manila University, as part of the Integrated Ateneo Formation (InAF) Program. The NSTP- PLUS Program consists of the following service components:

- a. Reserve Officers' Training Corps (ROTC)
- b. Civic Welfare Training Service

Students, male and female, shall be required to complete one of the above NSTP components for an academic period of two semesters (three units per semester) unless official exemption is obtained.

The ROTC option is jointly supervised by the Office of the Associate Dean for Student Formation (ADSF) and the Ateneo Department of Air Science and Tactics (ADAST). The Civic Welfare Training Service component is jointly supervised by the Office of the ADSF and the Office for Social Concern and Involvement (OSCI).

47. Physical Education Requirement: All regular students are required to complete eight units of Physical Education in the four semesters comprising their freshman and sophomore years. Students who fail any Physical Education subject must take it the following Intersession term so that prior to entering junior year, they shall have completed the required eight units. The Commission on Higher Education prohibits students from taking more than two units of PE in one semester or summer session.

Physically challenged students are not exempted from the Physical Education requirement. They are given a special program upon examination by the Loyola Schools physician. While members of varsity teams are excused from the regular PE classes, they are, however, required to:

- a. sign up for an activity class
- b. take and pass the semestral physical fitness tests.

Failure to comply with these requirements shall result in a grade of F.

48. No student may receive official school documents unless all financial obligations to the Loyola Schools are settled. Examples of official school documents are the following:
- a. Transcript of Records
  - b. All academic certifications
  - c. Diploma

# STUDENT FORMATION

## STUDENT FORMATION

The *Office of the Associate Dean for Student Formation (OADSf)* supervises and coordinates the work of the Formation Cluster which is composed of the:

1. Office of Campus Ministry
2. Office of College Athletics
3. Office of Placement and Career Services
4. Office for Social Concern and Involvement
5. Office of Student Activities
6. Office of Student Discipline
7. Physical Education Program

Together with the above units, and through formation programs and services inspired by the Ignatian charism, the OADSf seeks to form students to become men and women dedicated to the service of others, especially the poor and marginalized.

### *Contact Information*

Office of the Associate Dean for Student Formation (OADSf)

G/F Manuel V. Pangilinan Center for Student Leadership, Rm 102

E-mail: [adsf.ls@ateneo.edu](mailto:adsf.ls@ateneo.edu)

Tel: (632) 8426-6001 loc. 5033

## LS OFFICE OF CAMPUS MINISTRY (OCM)

The *LS Office of Campus Ministry*, as animators of spiritual formation in the Ateneo de Manila University, is faithful to the Catholic identity, rooted in Ignatian spirituality, and open to dialogue with other traditions and beliefs. Centered on Christ, the office nurtures the spiritual growth of the members of the Loyola Schools, ignites them to share in the mission of forming person-for-others, and as one community, sheds light to the world.

OCM offers the following Spiritual Formation Programs:

1. *Year Level Recollections*. Typically held on Saturdays, half-day recollections with a specific theme per year level are offered to students from first to fourth year as an integral part of the Integrated Ateneo Formation (InAF) program, and in partnership with the Student Formation Cluster and the Department of Theology.
2. *Ignatian Retreats*. Inspired by the Ignatian spirituality and tradition, retreats are offered on a particular theme as another option for spiritual formation. Duration varies from two to three days. For senior students, student organizations and personnel, they also have the option of a five- or eight day-retreats. Retreat modalities may be preached, preached with individual retreat accompaniment, or individually-directed.
3. *First Spiritual Exercises (FSE)*. Offered to students, this FSE is a 6-week program, inspired by the Spiritual Exercises of St. Ignatius of Loyola, designed to make space for the self in the midst of one's busy life, and to rekindle one's relationship with God. Participants join a prayer workshop during the first week, and for the succeeding 4 weeks, commit to a 15-minute daily reflection and prayer, daily journaling, and a weekly visit with a guide

individually or in small groups depending on preference. The sixth week focuses on gathering the FSE experience.

4. *Retreat in Daily Life (RDL)*. Open to faculty, professionals and administrators, the RDL is a 10-week program inspired by the Spiritual Exercises of St. Ignatius of Loyola, and designed to nourish one's spiritual life in the midst of a busy life. It involves a daily 15-minute prayer commitment, and a weekly sharing of one's spiritual journey with a Retreat Guide.
5. *Week of Directed Prayer*. Offered to the non-teaching staff, this program involves a week of daily 15-minute reflection & prayer, and daily spiritual conversation with a guide.
6. *Brewing the Ignatian Spirit*. This consists of talks and workshops on different topics, facilitated by different resource persons, to grow in one's knowledge of, appreciation for, and practice of Ignatian spirituality in the context of the life journey.
7. *Spiritual Direction/Companioning*. A one-on-one spiritual conversation with a Spiritual Guide to help one notice and respond to God's presence and invitations in one's day-to-day journey.
8. *Liturgies and Worship*. To foster the spiritual and communal life of the Loyola Schools, we celebrate the Sacraments of Holy Eucharist and of Reconciliation. Daily weekday masses are held, with opportunities for confession, at the Chapel of the Immaculate Conception in Gonzaga. There are also special liturgical celebrations at the Church of the Geśu for the Mass of the Holy Spirit, the Solemnity of the Immaculate Conception of the Blessed Virgin Mary, the Ash Wednesday Mass, and others. The Multi-sectoral Christmas Mass and Fellowship, the Baccalaureate Mass, and the cluster building masses are also celebrated in designated venues. Other communal prayer activities are the Eucharistic adoration, the interfaith dialogue and prayer services, the University Way of the Cross, and the Holy Week pilgrimages and community visitations.
9. *Prayer Spaces*. There are special prayer spaces in LS: for personal prayer and quiet time, the Chapel of the Immaculate Conception in Gonzaga and the Adoration Chapel located at the back of the altar area; and for small group prayer sessions, Prayer Room 1 (Rm 108 MVP-CSL), Prayer Room 2 (Rm 109 MVP-CSL), and the Multi-Faith Prayer Room (Rm 219 MVP-CSL). Prayer Rooms are reserved through the LS OCM.

#### *Contact Information*

Office of Campus Ministry (OCM)

Rm 109, G/F Manuel V. Pangilinan Center for Student Leadership

Tel: (632) 8426-6001 loc. 5161

Fax: (632) 8426-6522

E-mail: [campusministry.ls@ateneo.edu](mailto:campusministry.ls@ateneo.edu)

Facebook: <https://www.facebook.com/ls.ocm>

## OFFICE OF COLLEGE ATHLETICS (OCA)

Athletics is an effective and powerful tool for developing character and leadership as well as physical prowess, as proven by generations of Ateneo student-athletes.

The University recognizes different sports as legitimate venues for student development, and supports the formation of varsity teams that carry the University's official name and represent the institution in University-sanctioned athletics competitions as an extension of its formative responsibility to students.

The *Office of College Athletics (OCA)* is responsible for the effective and efficient implementation of all athletic activities and programs related to student-athletes in the Loyola Schools. It is concerned with the total development of the student-athlete, ensuring their safety and well-being in the process of proudly representing the Ateneo de Manila University.

*Programs and offerings:*

1. Varsity sports in arnis, badminton, baseball, basketball, beach volleyball, bowling, chess, cheerleading, fencing, football, golf, judo, rowing, shooting, softball, swimming, track and field, table tennis, taekwondo, tennis, indoor volleyball
2. Academic Support and Services for Student-Athletes
3. Administrative representation and organizational support in sports leagues
4. Accident insurance for athletes
5. Awards and recognition for outstanding performances of student-athletes (e.g. the Ambrosio Padilla Student-Athlete of the Year, Athlete's Night Awards, Ateneo Bonfire)
6. School spirit rallies (Blue Eagle Cheer Rally)

*Contact Information*

Office of College Athletics (OCA)

G/F Blue Eagle Gym

Tel: (632) 8426-6001 loc. 5080

Web: <https://www.goateneo.com>

Facebook: <https://www.facebook.com/goATENEO>

## LS OFFICE OF PLACEMENT AND CAREER SERVICES (LS OPCS)

The *LS Office of Placement and Career Services (LS OPCS)* is committed to assist in the formation of students as professionals-for-others within a globally competitive work environment. The LS OPCS provides resources and services to help graduates find employment appropriate to their individuality for positive contribution to self, family and society.

The LS OPCS career guidance programs aim to help students transition from the academe to the workplace by providing career education on self-awareness, life skills, job application, cover letter-writing, resume crafting, job interview, online job searches, further studies, and networking with the four (4) market sectors--business, government, non-government, and education. Formal linkages are maintained and expanded with the employment sector, and with Ateneo alumni for systematic recruitment and career orientation of students.

The LS OPCS career services aim to assist students and recent graduates with career planning, career exploration, and job/internship needs through career fairs, career talks, and company presentations. Career advisors offer individual or group career guidance to assist students gain clarity on shifting, discerning career choices, job/internship placements, labor market information, making goals and action plans.

Surveys are administered to graduating students for feedback on undergraduate programs and student services, as well as work preparedness. Annual tracer studies are conducted to track the whereabouts of recent graduates and to provide feedback to the administration and academic departments.

#### *Contact Information*

LS Office of Placement and Career Services (LS OPCS)

2/F Social Sciences Building, Rm. 265

Tel: (632) 8426-6001 loc. 5040 & 5041

E-mail: [placement.ls@ateneo.edu](mailto:placement.ls@ateneo.edu)

Facebook: <https://www.facebook.com/AteneoLSOPCS>

### OFFICE FOR SOCIAL CONCERN AND INVOLVEMENT (OSCI)

Following the Ignatian Pedagogical Tradition, the *Office for Social Concern and Involvement (OSCI)* seeks to deepen social awareness and intensify the passion for social involvement among students of the Loyola Schools in order to create a positive impact among marginalized communities by:

1. Raising awareness of the reality of poverty and fostering solidarity action and advocacy work;
2. Utilizing service-learning as a pedagogical strategy across various academic disciplines; and
3. Serving as a principal link of the Loyola Schools to marginalized communities.

OSCI formators take the lead in all the social involvement components of each of the Integrated Ateneo Formation (InAF) programs, with the goal of developing Filipino citizens and world leaders who possess a critical consciousness and a heart for the marginalized, in living a life of faith that does justice.

The social formation components of the InAF programs are as follows:

1. *Binhi*

Binhi is a formation program designed for first year students taking the Understanding the Self (SocSci 11) course. It enables students to understand themselves better through engaging in social and cultural-historical processes within and outside of their social milieu. It serves as an opportunity for students to reflect on their own selves and how they affect and are affected by society. It helps students understand how the self is a product of socialization and one's environment. The role of one's agency is also highlighted with regard to the community's circumstances.

Under the Integrated Ateneo Formation Program (InAF), it is part of the Introduction to Ateneo Culture and Traditions (InTACT) and serves as the exposure component of this first-year formation program for the Ateneo de Manila University students.

2. *Punla*

Punla is designed for sophomores taking Theology of the Catholic Social Vision (THEO 12) and enrolled in the National Service Training Program (NSTP 11). It aims to deepen students' social awareness through a two-and-a-half-day immersion in one of the vulnerable sectors of our society. The immersion experience provides opportunities for students to build relationships in their respective communities or institutions. It is hoped that the students gain a better understanding of the self, kapwa, and our society.

Its design is based on the pastoral cycle framework which has immersion/area engagement in a particular marginalized sector of our society as its highlight. In this program, it is essential that a deepening of students' experiences is achieved through social analysis, theological reflection and pastoral action.

### 3. NSTP 12

The National Service Training Program 12 (NSTP 12) is a formation program designed for juniors taking the Economy, Society, and Sustainable Development (SocSc 13) course. It aims to provide students with opportunities to respond to the needs of marginalized sectors of society through their particular academic disciplines or fields of interest. It also aims to involve students in activities that would help them define themselves in the world and be more discerning of their role in our society.

#### *Contact Information*

Office for Social Concern and Involvement (OSCI)  
Room 104, Manuel V. Pangilinan Center for Student Leadership  
Tel: (632) 8426-6001 local 5090  
Fax: (632) 8426-1617  
Email: [osci.ls@ateneo.edu](mailto:osci.ls@ateneo.edu)  
Facebook: [www.facebook.com/ls.osci](http://www.facebook.com/ls.osci)

## OFFICE OF STUDENT ACTIVITIES (OSA)

The *LS Office of Student Activities (OSA)* is the student leadership formation office of the Loyola Schools that aims to develop students in their involvement with various school organizations. Imbued with Ignatian charism, OSA provides and facilitates excellent student-centered programs and services that contribute to student development and support the operation of their organizations.

OSA establishes and monitors guidelines for student activities to ensure alignment of student organization initiatives with the Ateneo's values and thrusts. The office commits to be a creative and courageous voice that pushes boundaries and champions innovation that lead towards transformation.

OSA offers the following Leadership Formation Programs

1. *Ignacianidad*. A leadership summit held at the start of the school year, focusing on deepening the Ignatian values present in student leadership. This is to recognize the need not only to equip our student leaders with technical skills and competencies but also ground them in essential Ignatian values that will serve as a foundation for their leadership.



2. *Ateneo Student Leaders Summit (ASummit)*. Typically set in the middle of the school year, the ASummit provides affirmation, rest, and inspiration to the current set of leaders to reignite their passion. This includes programs on capacity and competency building for the current set of leaders as well as for the emerging leaders of different organizations.
3. *Coming Home: Student Leaders Retreat*. Done in partnership with the LS Office of Campus Ministry, the Coming Home Retreat is a 3-day retreat for Student Leaders intended to provide space and time for them to prepare psycho-spiritually for the continuous unfolding of their lives as they begin leadership journeys for the school year. This retreat also hopes to deepen the bond within the community of student leaders through group reflections, sharing, individual conversations with a spiritual guide and fellowship in silence.
4. *SOAR: Student Organizations Assessment and Review*. The Student Organizations Assessment and Review (SOAR) is the management, evaluation, and accreditation system for all registered student groups and organizations in the Loyola Schools. SOAR aims to provide a more formative approach to monitoring the growth and development and overall performance of student organizations through the integration of both quantitative and qualitative measures. SOAR is also the primary basis for accreditation of student organizations in the Loyola Schools.

SOAR is designed to promote the growth of organizations in a formative, sustainable, and developmental manner. The process and its respective measures stem from a systems-based thinking wherein the goal is to assess organization performance with respect to their specific context (i.e. goals, stakeholders, competencies, etc.). SOAR is focused on helping the organization realize its many potentials through identifying strengths and weaknesses as well as opportunities and threats while, in turn, rewarding the organization with a greater sense of self-awareness and opportunities to keep moving forward.

#### *Contact Information*

Office of Student Activities (OSA)

G/F Manuel V. Pangilinan Center for Student Leadership, Room 100

Tel: (632) 8426-6001 loc. 5050-52/8426-0795

Mobile: 0920-9389144

Email: [osa.ls@ateneo.edu](mailto:osa.ls@ateneo.edu)

Online: [bit.ly/ateneolsosa](http://bit.ly/ateneolsosa) or search ATENEO LS OSA on Facebook, Instagram and Twitter

## OFFICE OF STUDENT DISCIPLINE (OSD)

The role of the *Office of Student Discipline (OSD)* proceeds from the constitutional mandate for educational institutions to address the character formation of students. The Ateneo de Manila Loyola Schools, as a Filipino, Catholic and Jesuit institution of higher education, extols not only intellectual virtue but moral excellence. As the guardian of the Code of Conduct that provides the basic framework of normative rules to facilitate the total formation of students according to the Christian ideal of the human person, the OSD is tasked to address all major offenses of the Code by any student of the Loyola Schools, undergraduate and graduate alike. Through its personnel and processes, the OSD attends to all the requirements of due process, ensuring rationality and order in discipline cases, with adherence to a restorative framework – one that addresses formative issues in student misconduct through a community-based approach

that emphasizes the common good, social fabric, institutional values, and the development of the individual to become a person-for-others.

Among the chief duties of the OSD are the following:

1. Issuance of Certificates of Good Moral Character
2. Receipt, validation and evaluation of possible major violations of the Code of Conduct.
3. Issuance of the Notice of Formal Charge, and processing of Student Discipline Hearings
4. Sanctions monitoring
5. Periodic revisions and promulgation of the Code of Discipline and the Code of Academic Integrity
6. Conduct of student discipline orientation/s and training/s, as necessary and requested

*Contact Information*

Office of Student Discipline (OSD)

Lower G/F, MVP Building

Tel: (632) 84266001 loc 5023

Email: [studentdiscipline.ls@ateneo.edu](mailto:studentdiscipline.ls@ateneo.edu)

## PHYSICAL EDUCATION PROGRAM

The Physical Education Program of the Ateneo de Manila Loyola Schools is a program committed to:

1. growth and excellence in the areas of service and academic programs in P.E. sports, fitness, recreation and health, geared towards the total development of the individual;
2. being respected and recognized as an authority in the program's various areas of specialization; and
3. being responsive to the needs of the country by actively contributing to the educational enhancement of professionals in the same field of specialization.

As an integral part of Jesuit education, the Physical Education Program seeks to:

4. enhance its services and expand its academic thrusts through various educational programs and activities geared towards the development of the individual;
5. elevate the level of competence of the program's faculty pursuant to its desire to be recognized as a leading entity in the field of sports, physical education, fitness, recreation, and health; and
6. make itself relevant to society by contributing to the formation and scientific education of professionals who will serve as agents of change in allied fields of specialization.

[A list of the courses offered by the Physical Education Program is found in pp. 60-66.](#)

*Contact Information*

Physical Education Program

2/F Old Communication Bldg.

Tel: (632) 8426-6001 loc. 5016-17

**STUDENT SERVICES**

## STUDENT SERVICES

Driven by the Jesuit spirit of *cura personalis*, or care for the person, the Loyola Schools is dedicated to providing a sturdy support system and dynamic services for students in all aspects of their University life.

### HEALTH AND WELLBEING SERVICES

#### LS OFFICE OF HEALTH SERVICES (LSOHS)

The *Loyola Schools Office of Health Services (LSOHS)* envisions itself to be a caring, service-oriented unit that promotes the optimal health and wellness of the LS community by providing quality, accessible primary outpatient medical services and relevant health programs in partnership with students and in collaboration with other student-centered offices of the University. The OHS offers the following services:

- Acute care service (first aid, medical consultation and evaluation, triaging and referrals, issuance of medical certificates/clearance)
- Immunization service (review of immunization history, advice on needed immunizations and administration of selected vaccines)
- Comprehensive health assessment (First Year Student Health Record/BINHI, PRAXIS, JEEP, Sophomore Health Screening; NSTP-12; Senior internship programs, field work clearances for various year levels).
- Education, promotion and advocacy on health and wellness (health talks, fitness program, one-on-one health instruction/consultation)
- Collaborative Anti-Drug Abuse Program (CADAP) – random drug testing of students and drug talks to first year students

#### *Contact Information*

Loyola Schools Office of Health Services (LSOHS)

1/F Social Sciences Bldg, Rm 105

Tel: (632) 8426-6001 loc.5110 /5180

Cell: 0918-9445997

Email: [healthservices.ls@ateneo.edu](mailto:healthservices.ls@ateneo.edu)

Fax: (632) 8332-4434

#### *Clinic hours:*

Mon-Fri: 8am-7pm Sat: 8am-4pm

#### LS OFFICE OF GUIDANCE AND COUNSELING (LSOGC)

The *Loyola Schools Office of Guidance & Counseling (LSOGC)* offers programs and services designed to equip the students with the necessary tools for self-actualization in the context of personal, familial, and societal realities. The office assists in the formation of the students through the developmental stages of self-awareness, self-exploration, self-enhancement, and self-offering. The LSOGC provides:

- Counseling services (for academic and socio-emotional concerns)
- Freshmen Initial Interview

- Psychological Screening in aid of increased self-understanding
- Integrated Academic Formation (i.e. mental health awareness, self-care, resiliency, self-efficacy, and social skills programs)
- Prevention and Intervention programs and services
  - Psychological intervention services for students with diagnosed clinical conditions
  - Prevention programs include Expressive writing, Gardening for Wellness, Emotion Regulation, Social Skills Training, Basic Listening, and Small Group Support
  - Preventive services include Sopas to Pass, Blue Snooze, Wellness Week, and Animal Assisted Activities
  - Enrichment Activities for organizations and offices include Time Management, Stress Management, How to Handle Challenging Students workshops
- Inter-office and external requests
  - Coordination with the Office of ADAA for students with academic concerns
  - Recommendation Letters for students and alumni (e.g., JTA, graduate school applications)
  - Student referrals for mental health concerns
  - Screening for off-campus activities and programs
  - Debriefing sessions for students, faculty, staff, and parents
  - Wellness Program for Student Organizations
  - Student and parent consultations
- 24/7 (volunteer) Emergency hotline

The LSOGC is composed of two teams: one team of guidance counselors and another team of psychologists. Although both teams collaborate on all services and activities, the Guidance Counselors take the forefront in partnering with the Office of the Associate Dean for Student Formation for the Integrated Ateneo Formation programs (INTACT, NSTP11, NSTP12, and SIP), while the Psychologists handle special concerns of students.

*Contact Information*

Loyola Schools Office of Guidance and Counseling (LSOGC)

2/F Social Sciences Bldg, Rm 266

Tel: (632) 8426-6001 loc.5031-32

Email: [guidance.ls@ateneo.edu](mailto:guidance.ls@ateneo.edu)

Facebook: <https://www.facebook.com/LSOGC/>

## SAFETY, SECURITY AND GENERAL WELFARE SERVICES

### OFFICE FOR STUDENT SERVICES (OSS)

The *Office for Student Services (OSS)* oversees the delivery of basic services to the LS student body. These encompass a wide range, covering daily student life, emergency scenarios and everything in between, in the fulfillment of the general mandate to attend to the variety of concerns related to the overall safety and welfare of students. These include but are not limited to:

- Issuance of student ID cards (Validation, Temporary ID, Replacement)
- Issuance of Temporary Car Pass and Temporary parking requests
- Handling of Lost & Found services
- Attending to queries from different departments and offices regarding student information
- Processing and handling of student insurance claims
- Processing concerns regarding off-campus student housing facilities
- Processing Official Summons of students
- Processing and arbitration of traffic and parking violations
- Processing minor student violations ie. smoking, littering, ID violations
- Processing student security-related requests (theft/loss reports, CCTV requests, dispute resolution, security assistance)
- Handling investigations related to security matters involving students, student complaints, student discipline cases and gender- related misconduct
- Providing specialized assistance to persons-with-disabilities and situational assistance for calamities and personal crises
- Handling emergency response services in coordination with Health Services, Guidance and Counseling and the Ateneo Risk Management Unit
- Providing security support to student special events (OrSem, Blue Roast, ROTC activities)
- Overseeing AEGIS yearbook production
- Overseeing selection of student participants for local and international student conferences and awards recognitions
- Disseminating important information (suspension of classes, school bulletins, announcements) through email blast, SMS broadcast and the Ateneo Student Blueboard on Facebook

*Contact Information*

Office for Student Services (OSS)

G/F Xavier Hall, Rm 103

Tel: (632) 8426-6001 loc.5020-22

Cell: 0920-9142372

E-mail: [oss.ls@ateneo.edu](mailto:oss.ls@ateneo.edu)

OFFICE OF FACILITIES AND SUSTAINABILITY (OFS)

The *Office of Facilities and Sustainability (OFS)* is responsible for ensuring that the planning, design, construction, operation, maintenance, safety and security of all Loyola Schools' facilities, equipment, and grounds are met in coordination with the sustainability initiatives of the university. In particular, the OFS has the following responsibilities:

- *General Housekeeping and Maintenance (Minor Repairs)*: Provides satisfactory cleaning services; provides timely human resources and technical assistance (e.g. hauling needs, equipment and facility repairs and troubleshooting)
- *Project Management*: Recommends and implements physical improvements on facilities; provides safe and sound structures

- *Sustainability*: Provides facilities that would advance AIS' initiatives on sustainability (e.g. water treatment and material recovery; provide education/information on eco-friendly efforts that would promote a cleaner and greener environment)
- *Safety and Security*: Coordinates with the Campus Safety and Mobility Office (CSMO) and the security providers for safety and security concerns in the Loyola Schools (e.g. efficiency of security and deployment of guards, CCTV system efficiency, safety measures and mitigation of safety hazards)

*Contact Information*

Office of Facilities and Sustainability (OFS)

2/F Gonzaga Hall, Rm 203

Tel: (632) 8426-6001 loc.5101-03

Fax: (632) 8426-5666

E-mail: [ofs.ls@ateneo.edu](mailto:ofs.ls@ateneo.edu)

### CAMPUS EVENTS MANAGEMENT (CEM)

The *Campus Events Management Unit* aims to contribute to the vibrancy and dynamism of campus activities through the efficient coordination with stakeholders and responsible use of resources. The CEM has three primary services, namely:

- Assessment and approval of requests for the use of the facilities and physical resources of the Loyola Schools
- General supervision of on-campus events of student groups and offices of the Loyola Schools
- Events consultancy and coordination with particular focus on large-scale events and those involving external (local and foreign) participants

*Contact Information*

OADSAS - Campus Events Management Unit

2/F Gonzaga Hall, Rm 208

Tel: (632) 8426-6001 loc.5095-96

Email: [events.adsas.ls@ateneo.edu](mailto:events.adsas.ls@ateneo.edu)

### LOYOLA SCHOOLS BOOKSTORE (LSB)

The *Loyola Schools Bookstore (LSB)* is a one-stop shop for Ateneo publications, apparel, and souvenirs. It is the hub for textbooks, PE and NSTP shirts, and lab gowns. It offers a convenient location for students and offices to purchase frequently used school and office supplies. It also offers in-store printing and photocopying services. The LS Bookstore also provides:

- other required/suggested reading material for the students
- school and office supplies primarily to students and Ateneo employees
- publications from the Ateneo University Press
- publications and musical recordings from Jesuit Communications

- Ateneo apparel and souvenirs primarily to students, Ateneo employees, and Ateneo alumni
- a possible venue for student entrepreneurs to sell their items

*Contact Information*

Loyola Schools Bookstore (LSB)  
 Lower Ground Floor, MVP Building  
 Tel: (632) 8426-6001 loc.5185, 5187  
 Tel/Fax: (632) 8426-2915  
 E-mail: [bookstore.ls@ateneo.edu](mailto:bookstore.ls@ateneo.edu)

## LOYOLA SCHOOLS GENDER HUB

The *LS Gender Hub* is the heart of gender responsiveness in the Loyola Schools. It aims to create an inclusive, responsive, and safe environment for all members of the LS community. The Hub is not an investigative body or a discipline committee. Thus the Hub's case companions listen to, respond to, and support LS members who have experienced any form and degree of sexual or gender-based violence.

The services of the LS Gender Hub include:

- *Provision for Safe Spaces* – facilitates physical, social and online safe spaces
- *Care and Companion Services* – listens to and assists LS members who have experienced sexual- and gender-based violence (SGBV), assist in filing a disciplinary case, and accompany the complainant in the disciplinary process
- *Gender Sensitivity Training* – creates and conducts standardized and needs-specific gender sensitivity training

*Contact Information*

Loyola Schools Gender Hub  
 2nd floor Gonzaga Hall, Ateneo de Manila University  
 Tel: (632) 8426 6001 loc. 5043-5044  
 Email: [genderhub.ls@ateneo.edu](mailto:genderhub.ls@ateneo.edu)  
 Facebook: <http://facebook.com/lsgenderhub/>

## OFFICE FOR FOOD SAFETY AND QUALITY ASSURANCE (OFSQA)

The *Office for Food Safety and Quality Assurance (OFSQA)* subjects all food service providers in the Loyola Schools (whether in-house food concessionaire, sub-concessionaires, external food providers, or student-run food service operators) to assessment and approval in terms of safety, nutrition, and quality (in terms of both products and services).

The main tasks of the OFSQA include the following:

1. *Inspection and Compliance*

- routine inspection of all food and beverage related events on campus which require compliance of participating food business operators to the University Food Safety and Nutrition mandates;



- annual performance review and reporting of in-house food business operators to document good hygiene practices in their operations, local government regulatory compliance, food complaints, violations committed, and disciplinary actions given; and,
  - giving necessary recommendations to the food organizing committees and cafeteria coordinators for food service providers that are non-compliant with the University food safety and nutrition mandates, including those involved in reported cafeteria related incidents and outbreaks of foodborne/waterborne diseases.
2. *Information Education Campaign and Community Awareness*
- seminars and in-house training and development of food business operators and food handlers, student food entrepreneurs and those needing assistance with academic formation (product development), and management of the food business by citing the importance of food safety, quality assurance, and nutrition;
  - assessment and approval of campus events related to food and beverage (submission of FSQA forms and requirements) as well as scheduled orientations to emphasize the food safety mandates of the University; and,
  - policy development and implementation of written procedures for the use and guidance of the community for all food and beverage related events held on campus.
3. *Scientific and Evidence-Based Research and Application of Food Safety, Quality, Nutrition and Wellness policies and programs*
- research on food safety, quality assurance and nutrition as applicable to daily operations, practices, and policies formulated and implemented by the Office.
  - routine in-house physico-chemical and microbiological testing of drinking water fountains and cafeteria faucets in coordination with third party laboratories accredited by Department of Health (DOH-Philippines)
  - routine swabbing of environmental surfaces inside the kitchens of food business operators to check effectiveness of cleaning and sanitation and proper handwashing of personnel (using Glo-germ gel, powder and hand-held UV light)

*Contact Information*

Office for Food Safety and Quality Assurance (OFSQA)

2/f Faber Hall, Rm 202

(632) 8426-6001 loc. 4175-76

E-mail: [fsqa@ateneo.edu](mailto:fsqa@ateneo.edu)

Web: [www.ateneo.edu/ofsqa](http://www.ateneo.edu/ofsqa)

## REGISTRATION, DOCUMENT, AND DATA PROCESSING SERVICES

### OFFICE OF THE REGISTRAR

The *Office of the Registrar* is the central repository of student and curricular information.

The Office is composed of three units: the Records and Registration unit, the Liaison and Document Services unit, and the Data Processing unit. These units offer services related to enrollment, degree programs and the academic/scholastic records of students.

The Office serves currently enrolled students, alumni, and those who left the University without completing a degree. The Office also serves others academic and administrative offices. Finally, the office serves employers, accrediting organizations, various government agencies, and other schools.

Primary services are registration, record management, student evaluation, curricular maintenance, document and liaison services, and data processing.

Services include:

1. *Registration*

Registration is the process that provides the student with an official capacity to avail of services of the school such as use of the library and internet, membership in student organizations (for degree students), and issuance of the official Loyola Schools Identification Card. Most importantly, registration allows a student to participate in, and receive grades for, their enlisted courses.

The Office of the Registrar is tasked with streamlining, automating, and harmonizing resources necessary to carry out registration.

2. *Records Management*

Records management is the efficient and timely implementation of a systematic process for recording, maintaining/updating, monitoring, evaluating, releasing (when necessary and relevant), and safekeeping student records.

The management of records also covers maintaining the integrity of the data contained in the Ateneo Integrated Student Information System (AISIS) and the ability to access relevant information when needed.

The information contained in the AISIS and/or in hard copies are the bases for screening the student's eligibility to request for documents such as transcripts of records and certifications.

<b>Personal</b>	<b>Academic Records</b>	<b>Other Documents</b>
birth certificate	Form 137/Form 138	enrollment records
marriage certificate	transcripts of records from previously enrolled schools	editions of curricula
Alien Certificate of Registration	transfer credentials	course descriptions
study permits	clearance forms	commencement

Visa	grade reports	government regulations
Passport	application for admission	

### 3. *Student Evaluation*

Student evaluation is the process that assesses credentials and monitors the accomplishment of academic requirements.

The process involves monitoring a student's progression through the courses necessary for him/her to maintain eligibility and eventually garner an academic degree. The process also involves:

- The analysis of the educational history of students, especially those who attended several schools. It also ensures the validity and proper sequencing of transfer credentials.
- Checking the validation of subjects taken by students in another school to ensure that they are credited for equivalent subjects in the Loyola Schools
- Ensuring that the standard equivalencies of academic credits/units from foreign schools/universities are applied by academic departments/ programs
- Confirmation of the correctness of the curricular versions applicable to each student and the consequent evaluation of the students' Individual Program of Study
- Tracking of curricular requirements in the event the student shifts to another degree program, adds a minor or specialization, or pursues a double degree.

### 4. *Curriculum Maintenance*

Curriculum maintenance is the process that ensures the proper implementation of the students' curricular requirements based on the applicable curricular version. This also covers curriculum development and processing to ensure compliance with CHED's requirements. The Office of the Registrar assists in the proofreading of new and revised courses, minors, and specializations. The Office also helps ensure completeness of curriculum documentation to be submitted to CHED.

The Office also helps ensure that all approved curricula are correctly encoded and updated on AISIS. This entails checking that all degree codes and titles, course catalog numbers, course titles, and unit equivalents are accurately inputted in requisite sequence across all applicable curricula. A complete inventory of all curricular versions, changes and updates is also maintained and archived by the Office of the Registrar.

### 5. *Document Services*

Standard document requests include the issuance of the Diploma, official transcript of records, and certifications such as certificates of enrollment, graduation, English as a medium of instruction, course description, candidacy for graduation, English translation of diploma, etc.

#### Important requirements:

- Official documents will be processed/released to the student upon settlement of all financial, disciplinary, academic, and documentary liabilities with the school and upon full payment of the documents requested.
- The claim stub and official receipt must be presented when claiming the requested document/s.
- Representatives must present an authorization letter with a copy of the student's valid ID with picture and signature and a copy of the representative's valid ID with picture and signature.
- Unclaimed documents beyond ninety (90) days from due date will be destroyed and payments made will be forfeited.
- The Office also does verification of the authenticity of scholastic documents submitted for employment, further studies, court proceedings, and other purposes. The Office may attest that the document is genuine, fake, or unduly altered.

Moreover, persons who submitted the aforementioned documents may be attested to as having graduated from or attended the Loyola Schools. If no records are found to confirm graduation or attendance, the person is deemed not to have been a student of the school. In some cases, the Office may request for additional information to facilitate ascertaining if a person was a student of the Loyola Schools or not.

#### 6. *Liaison Services*

Liaison services include establishing and/ or maintaining business relationships with specific government agencies, such as the Commission on Higher Education (CHED), the Department of Foreign Affairs (DFA), and Bureau of Information (BI), to ensure curricular development and maintenance, certification and authentication of documents and visa processing. This includes providing certification and authentication services of documents, particularly the transcript of records and the certified true copy of the diploma by submitting these documents to CHED, who in turn will forward the same to the Department of Foreign Affairs. Requesting students/alumni will be given a claim stub which will enable them to pick up the CHED/DFA authenticated documents.

#### 7. *Data Processing*

The Office generates, mines, and analyzes various forms of data required by various sectors of the Loyola Schools community (e.g., Offices of the Vice President and Deans, Associate Deans, Quality Assurance, etc.) and beyond (e.g., Philippine Association for the Accreditation of Schools, Colleges, and Universities, ASEAN University Network, Quacquarelli Symonds, etc.). In addition, the office also generates reports for government and private institutions (e.g. Professional Regulation Commission (PRC), Civil Service Commission (CSC), CHED, BI, US and Philippine Veterans Affairs, etc.)

Some examples of data requested are enrollment figures, completion rates, pass/drop out/attrition rates, graduate contact information, classroom utilization, shifting figures, grading trends, institutional, program and faculty profile, etc.

The Office may process this data for various purposes such as local and international accreditation, information bulletins, reports for institutional ranking and quality assurance, surveys, etc.

*Contact Information*

Office of the Registrar

G/F Social Sciences Bldg.

Tel: (632) 8426-6001 loc.5130

Fax: (632) 8426-6123

E-mail: [registrar1.ls@ateneo.edu](mailto:registrar1.ls@ateneo.edu)

Web: [www.ateneo.edu/ls/registrar](http://www.ateneo.edu/ls/registrar)

## INFORMATION TECHNOLOGY SERVICES

### OFFICE OF MANAGEMENT INFORMATION SYSTEMS (OMIS)

In collaboration with the University's Information Technology Resource Management Office (ITRMO)—the OMIS oversees the development of the academic and administrative information systems (IS) for the Loyola Schools, takes care of the orientation of the students, faculty, and staff who will be involved in the IS, assists the departments and offices in the implementation of the IS and ensures the security and maintenance of school records.

WiFi connectivity is available at most common areas on campus, such as the cafeteria, Rizal Library, Study Halls, and most classrooms. Students can connect any of their devices one at a time to the OBF Wi-Fi in the Loyola Schools campus.

Services include:

- Google for Education: students are provided with their official Ateneo Gmail Account that they can keep even after graduation. This service from Google provides students independently customizable versions of several Google products like G Suite, Classroom, Google Cloud, Gmail, Calendar, Hangouts, Drive, Docs, Sheets, Slides, Google Sites, etc.
- Free use of Microsoft products through Microsoft Office 365 for Education that students can use while they are enrolled in Ateneo. Microsoft Office 365 is a Software as a Service (SaaS) solution that includes Microsoft Office and other services from Microsoft's cloud server. Students just need to register using their OBF accounts.
- Email Blasting Services. Offices can send their important email announcements to OMIS for bulk sending to various large-groups or a targeted audience in the LS Community.
- Moodle (Modular Object-Oriented Dynamic Learning Environment) was designed to provide educators, administrators, and learners with an open, robust, secure and free platform to create and deliver personalized online learning environments.
- Wi-Fi configuration for certain devices, desktop/laptop troubleshooting, software installation, and technical support for certain activities and events are also available.

*Contact Information*

Office of Management Information Systems (OMIS)

3/F Faber Hall, Rm305

Tel: (632) 8426-6001 loc. 5170-71

E-mail: [omis.ls@ateneo.edu](mailto:omis.ls@ateneo.edu)

## STUDENT HOUSING

### RESIDENCE HALLS

The Ateneo de Manila University has on-campus accommodations for students, visiting faculty members, and guests. The *Residence Halls* provide shared spaces for living and learning for a diverse community, creating opportunities for personal enrichment and growth.

The Residence Halls offer 24-hour security assistance and each building is equipped with CCTV cameras. There is a standby ambulance for emergencies. Residents have access to cafeterias, laundromats, kitchenettes and study rooms/areas.

Students may choose to stay in quad or twin-sharing rooms. Rooms for long-term stay and transients are also available.

### ATENEO RESIDENCE HALLS

The *Ateneo de Manila University Residence Halls (Ateneo Residence Halls)* is home to more than 900 resident students from all over the Philippines, under the management and supervision of the Director and professionally-trained Residential Life Managers, assisted by adult Resident Advisers. The resident student population is comprised of senior high school students, undergraduate and graduate students, with a good number of athletes and scholars.

Residential life is also kept enriching, vibrant, and dynamic with the help of the *Ateneo Resident Students Association (ARSA)*.

Rooms in Cervini Hall, Eliazo Hall, and University Dormitory are quad-sharing with the following features:

- single-sized beds with mattresses
- cabinets
- study tables with chairs and bookshelves
- ceiling fans
- Wi-Fi and Ethernet connection

Common toilets and baths with heaters are located on each floor.

#### *Contact Information*

Contact Person:

Mr. Rene Salvador R. San Andres

Director, Ateneo Residence Halls (ARH)

Tel. Nos.: (+63) 2 8426 6001 ext. 5932, (+63) 2 8426 6119

Email: [residencehalls@ateneo.edu](mailto:residencehalls@ateneo.edu)

### INTERNATIONAL RESIDENCE HALL

The *International Residence Hall* is a five-story, 310-bed facility for undergraduate and graduate students, faculty members, and guests. It provides shared living spaces where local and international residents from different cultures can productively and respectfully engage each other.

Rooms in the International Residence Hall are twin-sharing with the following features:

- semi-double-sized beds with mattresses
- cabinets
- study tables with chairs and bookshelves
- an air conditioning unit
- a refrigerator
- Wi-Fi
- toilet and bath with heater
- a ceiling fan

Alternatively, there are many off-campus living arrangements available for students nearby. Inquiries about these off-campus housing can be made through the Office for Student Services (OSS).

*Contact Information*

Contact Person:

Ms. Karen C. Sunico

Office of the VP for University and Global Relations (OVPUGR)

Tel. Nos.: (+63) 2 8426 6001 ext. 4021/ (+63) 2 8426 0511

Email: [jrh@ateneo.edu](mailto:jrh@ateneo.edu)

## LIBRARY SERVICES

### THE RIZAL LIBRARY

The mission of the *Rizal Library* is to facilitate learning by providing information services to the Loyola Schools, enabling its members to excel in the three areas of University life, namely: research, teaching, and community service.

Among the services offered by the Rizal Library are:

1. Lending books, DVDs/CDs, board games, etc.
2. Providing access to special collections and microfilmed materials
3. Providing access to online databases (on and off-campus)
4. Answering questions in person and via email, phone, and social media
5. Offering guided tours and database tutorials
6. Providing computers for room use
7. Facilitating document delivery requests
8. Facilitating inter-library loans
9. Printing, scanning, and photocopying

Students, faculty, staff, alumni, administrators, and officials of the Loyola Schools and the Ateneo de Manila University (ADMU) may use the Rizal Library upon presentation of a valid identification card. Grade school and high school students, including those from the ADMU are not allowed to use the facilities, except during pre-arranged visits. Researchers from other institutions may use some of the Rizal Library's services and facilities for a nominal fee and upon presentation of a valid ID and/or a letter of introduction from the librarian of their institution.

*Contact Information*

Rizal Library

Tel: (632) 8426-6001 loc. 5555

Fax: (632) 8426-5961

E-mail: [rizal.library.ls@ateneo.edu](mailto:rizal.library.ls@ateneo.edu)

Web: [www.rizal.library.ateneo.edu](http://www.rizal.library.ateneo.edu)

Facebook: [www.facebook.com/rizallibrary](http://www.facebook.com/rizallibrary)

Twitter: @Rizal\_Library

## INTERNATIONAL STUDENT AND STUDY ABROAD SERVICES

### OFFICE OF INTERNATIONAL RELATIONS (OIR)

The Loyola Schools acknowledges the special needs of its international students. The *Office of International Relations (OIR)* is dedicated to be of service to international students of the various units of the Ateneo. Orientation programs are offered to facilitate adjustment to the country and campus in cooperation with representatives from the Office of the Associate Dean for Academic Affairs (OADAA), Office of Student Services (OSS), Office and Guidance and Counseling (OGC), and Office of Health Services (OHS).

The Office of International Relations assists (1) international undergraduate and graduate degree students, (2) international undergraduate and graduate exchange students (non-degree), and (3) student participants of short-term programs on language and cultural immersions, overseeing their attainment of their educational goals, seeing to their general welfare, and assisting in daily concerns of student life in the Loyola Schools.

*Services include:*

- Facilitation of the processing of student visas, special study permits, and other related documents for endorsement to the Commission on Higher Education (CHED), Bureau of Immigration (BI), and the Department of Foreign Affairs (DFA). This includes checking completeness of requirements for international students as may be required by government agencies. Validity of documents (e.g. visa, passport) is also monitored.
- Country and campus orientations
- Temporary lodging identification, booking, and transfer assistance (on and off-campus)
- Information dissemination regarding changes in processes (e.g. visa application and immigration rules)
- Liaising with foreign embassies and consulates in Manila on behalf of international students in case of emergencies and other concerns.
- Facilitation of academic enlistment for non-degree exchange and visiting students
- Home country communication needs assistance through in-house courier services in cooperation with the Purchasing Office
- Community building through platforms where international students can interact with one another and with members of the Ateneo community with the help of the student organization Ateneo Student Exchange Council (ASEC)

*International programs for Loyola Schools Students:*



- Junior Term Abroad (JTA) program in coordination with LS Student Mobility Coordinators
- Summer Term Abroad (STA) program
- Internship opportunities with partner universities abroad
- Short-term international programs/conferences organized by Ateneo's partner universities and international education networks
- Assistance in the application requirements of universities abroad under the JTA/STA programs
- Liaising with LS Student Mobility Coordinators to address administrative concerns of students such as course validation, learning agreements, etc.
- Liaising with foreign universities on behalf of Ateneo students for application processing and academic registration
- Provision of copies of transcripts of records from JTA/STA host universities abroad to the concerned students and/or the Office of the Registrar
- Pre-departure orientation seminars for students participating in JTA and STA programs
- Logistic support for student representatives in international youth conferences abroad
- Liaising with Philippine embassies and consulates abroad on behalf of Ateneo students in case of emergencies and other concerns

*Contact Information*

Office of International Relations (OIR)

3/F Faber Hall, Rm 304

Tel: (632) 8426-6001 loc. 4040-4043

Fax: (632) 8426-5907

E-mail: [oir@ateneo.edu](mailto:oir@ateneo.edu)

Web: [www.global.ateneo.edu](http://www.global.ateneo.edu)

Facebook: [www.facebook.com/OIR-Ateneo-de-Manila](https://www.facebook.com/OIR-Ateneo-de-Manila)



SCHOOL *of*  
HUMANITIES

Dr. Jonathan O. Chua  
*Dean*



# ENGLISH

1/F Horacio de la Costa Hall  
(632) 8426-6001 loc. 5310/5311  
[english.soh@ateneo.edu](mailto:english.soh@ateneo.edu)

The Department of English is a leading center of higher learning in language, literary, and cultural studies in the Asia-Pacific that advances scholarly expertise and the production of Filipino writing in English; cultivates pedagogical, scholarly, cultural, and creative spaces; and enables critical global citizens through empowering contexts of literacy.

Through teaching, research, creative works, and community service, the department (1) delivers core and advanced courses on the macro-skills of reading, writing, speaking, and listening; (2) fosters a distinct learning environment where affective dimensions in language and literature inspire critical thought, proficient expression, and responsible citizenship; (3) hones disciplinary expertise in English language studies and in literary and cultural studies; (4) advances pioneering practices in language, literary, and cultural studies that enable Filipino and Asian forms of engagement with the world and; (5) situates learners in evolving contexts that lead to empowered literacy; and deepens learner-capacity for productive, flexible, and sustained dialogue and action.

## BACHELOR OF ARTS IN LITERATURE (ENGLISH)

The AB Literature Program is designed for students who seek a profound and scholarly appreciation of literature written in the English Language. They will be introduced over the course of the program to literature from across the globe in order to develop competence in the analysis of literary texts, writing of critical essays, and evaluation of different literary traditions and orientations.

### *Program Learning Outcomes*

The AB Literature (English) program is designed to enhance the student's knowledge of literary and cultural texts written in – and translated into – English, as well as contemporary theory and methods to interpret and appreciate the same.

While in the program, the student will:

- (1) be introduced to literature, in major and emerging forms, from all over the globe;
- (2) develop competence in the analysis of literary and cultural texts; and
- (3) evaluate different literary and cultural traditions, forms, orientations, from the perspective of various theoretical and methodological persuasions

*Specialization A (Literary and Cultural Studies)* focuses on scholarship on literary and cultural texts, while *Specialization B (Literature Across the Professions)* focuses on the intersection between literature and various disciplinary contexts and professional settings. Specialization A students will typically find employment in academia; prospects include, but are not limited to: teaching, research, further studies, and academic publishing. Specialization B students will typically find employment in non-academic contexts; prospects include law, entrepreneurship, commercial publishing, media, government, cultural heritage, advertising, among others.

## BACHELOR OF ENGLISH (Specialization in Literary and Cultural Studies)

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
ENLIT 21	Introduction to Literary and Cultural Studies	3	ENLIT 22	Introduction to Literature Across the Professions	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
	TOTAL	19(2)			
<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	

ENLIT 31	Literatures of the Western World I: Europe	3	ENLIT 32	Literatures of the Western World II: North America	3
ENLIT 41	Literary and Cultural Theory I	3	ENLIT 42	Literary and Cultural Theory II	3
ENLIT 50	Advanced Rhetoric	3	ENLIT 60	Introduction to Translation	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FLC 12	Foreign Language and Culture 12	3	PHYED 4	Physical Education 4	(2)
NSTP 11	National Service Training Program 11	(3)	TOTAL		18(2)
PHYED 3	Physical Education 3	(2)			
	TOTAL	21(5)			

### THIRD YEAR

#### Interession

ENLIT 197.1	Practicum I	3
	TOTAL	3(0)

#### Units

#### First Semester

ENLIT 71	Literatures of the Philippines I: Region and Nation	3
ENLIT 91	World Literatures I: Genealogies and Translations across Europe and North America	3
ENLIT 192.30	Methods in Literary and Cultural Research and Practices	3
PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3
SPEC ELECTIVE 1	Specialization Elective 1	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	18(3)

#### Units Second Semester

ENLIT 72	Literatures of the Philippines II: Literary and Cultural Studies	3
ENLIT 92	World Literatures II: Theories and Transnationalities across Latin America, Asia, and Africa	3
ENLIT 199.1	Research Methods in Literary and Cultural Studies	3
PHILO 12	Philosophy of Religion	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
SPEC ELECTIVE 2	Specialization Elective 2	3
	TOTAL	18(0)

### FOURTH YEAR

#### Interession

ENLIT 197.2	Practicum II	3
	TOTAL	3(0)

#### Units

#### First Semester

ENLIT 81	Postcolonial Literatures I: Africa and the Middle East	3
ENLIT 180	Special Topics in Literature and the Humanities	3
ENLIT 199.2	Independent Research in Literary and Cultural Studies I	3
SPEC ELECTIVE 3	Specialization Elective 3	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	21(0)

#### Units Second Semester

ENLIT 82	Postcolonial Literatures II: Asia and Latin America	3
ENLIT 199.3	Independent Research in Literary and Cultural Studies II	3
SPEC ELECTIVE 4	Specialization Elective 4	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)

Total Number of Academic Units: 157(14)

**BACHELOR OF ENGLISH**  
(Specialization in Literature Across the Professions)

**FIRST YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
ENLIT 21	Introduction to Literary and Cultural Studies	3	ENLIT 22	Introduction to Literature Across the Professions	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
	TOTAL	19(2)			

**SECOND YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 31	Literatures of the Western World I: Europe	3	ENLIT 32	Literatures of the Western World II: North America	3
ENLIT 41	Literary and Cultural Theory I	3	ENLIT 42	Literary and Cultural Theory II	3
ENLIT 50	Advanced Rhetoric	3	ENLIT 60	Introduction to Translation	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FLC 12	Foreign Language and Culture 12	3	PHYED 4	Physical Education 4	(2)
NSTP 11	National Service Training Program 11	(3)	TOTAL		18(2)
PHYED 3	Physical Education 3	(2)			
	TOTAL	21(5)			

**THIRD YEAR**

<u>Interession</u>		<u>Units</u>
ENLIT 197.1	Practicum I	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 91	World Literatures I: Genealogies and Translations across Europe and North America	3	ENLIT 72	Literatures of the Philippines II: Literary and Cultural Studies	3
ENLIT 152	Literature and the Social Sciences	3	ENLIT 92	World Literatures II: Theories and Transnationalities across Latin America, Asia, and Africa	3
ENLIT 192.30	Methods in Literary and Cultural Research and Practices	3	ENLIT 199.4	Research Methods in Literature across the Professions	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3



SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SPEC ELECTIVE 1	Specialization Elective 1	3	SPEC ELECTIVE 2	Specialization Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
	TOTAL	18(3)			

**FOURTH YEAR**

**Interession**

**Units**

ENLIT 197.2	Practicum II	3
	TOTAL	3(0)

**First Semester**

**Units Second Semester**

**Units**

ENLIT 81	Postcolonial Literatures I: Africa and the Middle East	3	ENLIT 82	Postcolonial Literatures II: Asia and Latin America	3
ENLIT 180	Special Topics in Literature and the Humanities	3	ENLIT 199.6	Independent Research in Literature Across the Professions II	3
ENLIT 199.5	Independent Research in Literature Across the Professions II	3	SPEC ELECTIVE 4	Specialization Elective 4	3
SPEC ELECTIVE 3	Specialization Elective 3	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
IE 1	Interdisciplinary Elective 1 – English	3	FREE ELECTIVE	Free Elective	3
IE 2	Interdisciplinary Elective 2	3	TOTAL		18(0)
	TOTAL	21(0)			

Total Number of Academic Units: 157(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

**MINOR IN LITERATURE (ENGLISH)**

*Eligibility Requirement*

The program is open to all Loyola Schools undergraduate students who are at least in Second Year and have no grade lower than C in ENGL 11 and ENLIT 12.

*Admission Requirements*

1. ENGL 11 and ENLIT 12 (no grade lower than C)
2. At least a sophomore
3. Letter of intent addressed to the Associate Chairperson for Literature (cc: Chair of the English Department)
4. Interview with Associate Chair for Literature

*Minimum Grade Requirement*

No grade lower than C in the 12 units of Literature subjects that comprise the Minor

*Program Curriculum*

Required Courses (9 units; choose one from each set)

Set 1

- ENLIT 31     Literatures of the Western World I: Europe  
ENLIT 32     Literatures of the Western World II: North America

Set 2

- ENLIT 81     Postcolonial Literatures I: Africa and the Middle East  
ENLIT 82     Postcolonial Literatures II: Asia and Latin America  
ENLIT 91     World Literatures I: Genealogies and Translations Across Europe and North America  
ENLIT 92     World Literatures II: Theories and Transnationalities Across Latin America, Asia, and Africa

Set 3

- ENLIT 71     Literatures of the Philippines I: Region and Nation  
ENLIT 72     Literatures of the Philippines II: Literary and Cultural Studies

Any Literature elective (3 units)

Total Number of Units for the Minor: 12 units

## COURSE OFFERINGS

### ENLIT 21

#### INTRODUCTION TO LITERARY AND CULTURAL STUDIES

3 units

ENLIT 21 is an introduction to the established critical traditions and the characteristic objects/methods of literary and cultural studies. It maps the paradigmatic shifts, from the 'linguistic turn' to the 'cultural turn', that transformed the discipline in the late-modern period and explores the consequent rethinking of the conventional disciplinary categories of author, genre, historical period, and style, including literary production, reception aesthetics, canon critique, and the worlds/contexts of literature. In the process, students are introduced to the most exemplary and consequential studies and theorizations/critiques of world and Philippine literatures.

### ENLIT 22

#### INTRODUCTION TO LITERATURE ACROSS THE PROFESSIONS

3 units

ENLIT 22 introduces the student to a range of theoretical, methodological, and practical concerns that involve the intersection between literary studies and various disciplinary and professional contexts, including but not limited to the academe, cultural work, the corporate setting, media, law, social science, government, medicine and the natural science. Students in this program are trained to enter a specific professional setting with a strong background in literary theory and practices to enhance their critical and analytical thinking, creativity, and research skills.

### ENLIT 31

#### LITERATURES OF THE WESTERN WORLD I: EUROPE

3 units

This course is a survey of the literature of the Western World produced between the 10th century BC and the late 17th century, including representative poetry, drama, prose fiction, and nonfiction from the Ancient World, the Middle Ages, and the Renaissance.

ENLIT 32  
LITERATURES OF THE WESTERN WORLD II: NORTH AMERICA

3 units

ENLIT 32 surveys the literature of the Euro-American World from the Neoclassical period to the contemporary period. The course focuses on the representative poetry, drama, prose fiction, and nonfiction of the following literary periods: neoclassicism, romanticism, and the various stages of literary production from modernity to the present.

ENLIT 41  
LITERARY AND CULTURAL THEORY I

3 units

Prerequisites: ENLIT 21, ENLIT 22

This course introduces the student to literary criticism from the Classical Age, the Middle Ages, the Renaissance, the Age of Enlightenment, the Romantic period, the Modern Age, to the 19th and mid-20th centuries which would include psychoanalytic criticism, structuralism, Marxist criticism, poststructuralism and deconstruction.

ENLIT 42  
LITERARY AND CULTURAL THEORY II

3 units

Prerequisites: ENLIT 21, ENLIT 22

This course introduces the students to literary criticism from the late 20th century to our present day. The course examines literature and its intersection with postmodernism, postcolonialism, cultural studies, feminist criticism, gender and queer studies; ecocriticism and the environmental humanities; translation studies, diaspora and globalization studies; media and film studies; urban studies, memory and trauma studies to name a few.

ENLIT 50  
ADVANCED RHETORIC

3 units

This course consists of two parts: a) sessions devoted to a discussion of exemplary texts in historiographic, literary, cultural, and Philippine criticism; and b) a series of pre-professionalization workshops devoted to producing a mock-up scholarly journal in which the students engage in simulated processes of reviewing and publishing their own critical projects. The readings expose students to models of critical writing and to provide a sense of the range of creative possibilities available to them as aspiring or practicing critics and scholars. The workshops and the journal project are designed to train them in the practical business of producing and preparing their own critical writing for publication and to introduce them to the standard practices of peer review, editing, and revision in academic publishing.

ENLIT 60  
INTRODUCTION TO TRANSLATION

3 units

This course is an introduction to the art and practice of translation, as well as the history of translation theory. The course is divided into three parts, hoping to provide an analysis of the process as well as practical advice for intending translators, namely: the theory of translation, the practice of translation, and the appreciation of literary translations as texts. In covering these issues, the course stresses the importance of understanding the unfamiliar and the need to see human experience from as many angles.

ENLIT 71  
LITERATURES OF THE PHILIPPINES I: REGION AND NATION

3 units

This course is a survey course that covers literature from the pre-Hispanic period to the present. It focuses on the literature and culture from different regions and their intersection with the nation and the globe. The course deploys historiography, comparative discourses, and cultural studies lens.

ENLIT 72

LITERATURES OF THE PHILIPPINES II: LITERARY AND CULTURAL STUDIES

3 units

Set within the context of globalization and its transnational movements, the course examines Philippine literature in various diasporas and the effects of this mobility on categories that include, but are not limited to, identity, nation, subjectivity, ethnicity, and race. Put differently, the course examines – through established and emergent forms of Philippine literature in English and in translation – contesting and complementary Filipino diasporic identities. Discussions are framed by theories of diaspora, representation, globalization, and translation.

ENLIT 81

POSTCOLONIAL LITERATURES I: AFRICA AND THE MIDDLE EAST

3 units

This course studies literary works and traditions from what used to be called the Third and Fourth Worlds: developing nations and indigenous communities. ENLIT 81 focuses on themes and concerns specific to the regions of Africa and the Middle East, as can be read from select ancient texts, literary and cultural texts from the colonial and postcolonial/contemporary period, and theoretical writings. This course on postcolonial critical theory covers (but is not limited to) these topics: representations of the “orient,” decolonization, nationalist movements, language politics, identity politics, postmodernism, diaspora, transnationalism, and globalization.

ENLIT 82

POSTCOLONIAL LITERATURES II: ASIA AND LATIN AMERICA

3 units

This course studies literary works and traditions from what used to be called the Third and Fourth Worlds: developing nations and indigenous communities. ENLIT 82 focuses on themes and concerns specific to the Asian and Latin American regions, as can be read from select ancient texts, literary and cultural texts from the colonial and postcolonial/contemporary period, and theoretical writings. This course on postcolonial critical theory covers (but is not limited to) these topics: representations of the “orient,” decolonization, nationalist movements, language politics, identity politics, postmodernism, diaspora, transnationalism, and globalization.

ENLIT 91

WORLD LITERATURES I: GENEALOGIES AND TRANSLATIONS ACROSS EUROPE AND NORTH AMERICA

3 units

This course introduces students to theories, methods, issues, disciplinary engagements, and genealogies in World Literature. This course focuses on: (1) the historical undergirding and (2) the interdisciplinary inflections of World Literature. With respect to historicity, this course looks into the emergence of – and numerous contestations regarding – the field of World Literature, concentrating on, but not exclusive to, figures such as Johann Wolfgang Goethe, Rabindranath Tagore, Erich Auerbach, Edward Said, and Pascale Casanova. With respect to interdisciplinarity, the course looks at World Literature’s complementary and contentious relationships with other disciplines, including, but not limited to, nation studies, translation studies, and postcolonial studies. Literary texts such as novels, short fiction, poetry, and drama illuminate the above-mentioned topics.

ENLIT 92

WORLD LITERATURES II: THEORIES AND TRANSNATIONALITIES

ACROSS LATIN AMERICA, ASIA, AND AFRICA

3 units

This course introduces students to theories, methods, issues, disciplinary engagements, and genealogies in World Literature. This course focuses on: (1) theoretical and methodological concerns and (2) geographical range of World Literature. The theory and method component aims to illuminate concerns relating to the production and circulation of literary and cultural texts; these concerns include, but are not limited to canon formation; aesthetics and literary form; and national and global politics. With respect to World Literature’s

geographical dimension, the course looks at areas such as Southeast Asia, South Asia, Africa, and Latin America. Literary texts such as novels, short fiction, poetry, and drama illuminate the above-mentioned topics.

ENLIT 111

CLASSICAL LITERATURE

3 units

This course is an intensive study of the literature of the Ancient World, focusing on drama and poetry, from Homer to Sophocles.

ENLIT 111.10

ASIAN LITERATURE II: CLASSICAL LITERATURE

3 units

This course is a study of classical Asian literature.

ENLIT 111.20

ASIAN LITERATURE II: CLASSICAL LITERATURE (INTRODUCTION TO CHINESE LITERATURE)

3 units

This course is a survey of Chinese literature from the classical to the contemporary period. Given the historical span and wealth of Chinese literature, this course focuses only on major literary genres, writers and masterpieces. English translation of the works is used.

ENLIT 111.30

ASIAN LITERATURE II: CLASSICAL LITERATURE (VEDIC LITERATURE)

3 units

This course aims to give a comprehensive summary of what Vedic literature contains. It, first of all, takes the students through a description and study of Vedic literature's oldest stratum, the Vedas (ca. 1500 BCE to 500-400 BCE), particularly the Gveda (RV) and the Atharvaveda (AV). The RV and the AV language, poetic speech and chosen themes are set against the background of Vedic ritual and mythology. Secondly, it outlines and describes the Brahmana and the Aranyaka texts, the secret doctrines of the late Vedic teachers as transmitted in the Upanishads. The texts to be studied are in English translation.

ENLIT 111.40

ASIAN LITERATURE III: MODERN SOUTH KOREAN LITERATURE IN TRANSLATION

3 units

This course explores fiction produced in South Korea after 1945 up to the early 2000s when the country economically developed. Through close reading and contextualizing of short stories, novellas and novels by authors like Chae Man-Sik, Cho Se-Hui, Yi Mun-yol and Kim Young-Ha, the course shows complex changes in South Korea from its establishment as a democratic republic to its global influence today as a cultural center in Asia and a key player in global economy. Focus is on topics like the development of nationalism and identity as well as the country's changes within the context of transnationalism and globalization.

ENLIT 111.50

ASIAN LITERATURE III: MODERN LITERATURE

3 units

This course is a study of the major printed texts of modern Asian literature.

ENLIT 111.6

ASIAN LITERATURE IV: CONTEMPORARY LITERATURE

3 units

This course is a study of contemporary Asian literature, including the influence of present-day economic, historic, political, and literary realities.

ENLIT 112  
MEDIEVAL LITERATURE  
3 units

This course is an intensive study of representative works and authors of the Medieval Period, including Chaucer, Dante, and Boccaccio.

ENLIT 112.10  
MEDIEVAL LITERATURE: CHAUCER  
3 units

The course intends to familiarize the students with the major works of Chaucer, notably *The Canterbury Tales* and *Troilus and Criseyde*, and some of his short works, particularly his dream-allegories like *The Legend of Good Women*. Through specific genres, styles, and topics, the *Tales* present a panorama of distinctive personalities from various socio-economic backgrounds. Analysis of the *Tales* is undergirded by contemporary critical approaches: mythological and archetypal to feminist, linguistic to structuralist, among others. *Troilus and Criseyde* maintains its reputation as the first psychological novel in English literature. The students learn to read Chaucer in Middle English.

ENLIT 113  
RENAISSANCE LITERATURE  
3 units

This course is an intensive study of representative works and authors of the Age of Enlightenment, including Machiavelli, More, Montaigne, Cervantes, Shakespeare, and Milton.

ENLIT 114  
NEO-CLASSICAL LITERATURE  
3 units

This course is an intensive study of representative works and authors of the Neoclassical Period, including Moliere, Goethe, Pope, Voltaire, Blake, and Melville.

ENLIT 115  
ROMANTIC LITERATURE  
3 units

This course is an intensive study of representative works and authors of the Romantic Period, including Whitman, Dickinson, Melville, and Keats.

ENLIT 116  
MODERN LITERATURE  
3 units

This course is an intensive study of representative works and authors of the 20th century, including Eliot, Joyce, and Beckett.

ENLIT 117  
LITERATURE AND IDEAS I: MEDIEVAL  
3 units

This course is divided into two parts. Using medieval English texts as a basis, the first part begins with an examination of dominant medieval themes (such as those dealing with notions of love, heroism, etc.) and then traces the changing nature of those concepts from the Dark Ages to the Modern Period. In the second part, it examines how these concepts have influenced modern popular texts. Readings include excerpts from both medieval and modern texts, although the student is required to write a major paper on a modern novel of his/her choice that he/she is understood to have read critically using the various ideas discussed in class.

ENLIT 118  
LITERATURE AND IDEAS I: BOOKS OF THE CENTURY  
3 units

The course is an introduction to nine canonical writers of the twentieth century. The literary works are read using canonical readings and challenges to the canonical readings. Issues relevant to the issues of canon formation are discussed.

ENLIT 121  
FOLKLORE I  
3 units

This course is an introduction to folklore – its definition, formulae, and conventions – and scholarly approaches to the study of folklore, with an emphasis on literary folklore.

ENLIT 121.10  
FOLKLORE II  
3 units

This course is an advanced study of the definition, formulae, and conventions of folklore, with emphasis on Philippine folklore and concrete examples from field study.

ENLIT 122  
CLASSICAL EPIC  
3 units

This course is a survey in translation of three Greco-Roman epics (*The Iliad*, *The Odyssey*, and *The Aeneid*) and one Medieval Christian epic (*The Divine Comedy*), focusing on their structure, techniques, and themes.

ENLIT 123  
WESTERN EPIC  
3 units

This course surveys the literature of the Western world produced between tenth Century B.C. and the present. The representative poetry, drama, prose fiction and non-fiction from the Ancient World, the Middle Ages, the Renaissance, Neoclassical Age, Romantic Age, Realistic Age, Modern Age and Post-Modern Age are read and discussed.

ENLIT 124  
ASIAN EPIC  
3 units

This course is an introduction to the Asian Epic with a survey of the classic epics of the Asian world. The course includes such masterpieces as *The Ramayana* from India, *Journey to the West* from China, *The Tale of Genji* from Japan. The course attempts to understand the significance these works have had on their cultures and on the world.

ENLIT 124.10  
PHILIPPINE EPIC  
3 units

This course is a review of basic principles of both Western and Eastern epics and their applications and variations in various Philippine epics. Required readings consist of a representative selection of Philippine epics.

ENLIT 125  
POETRY TO THE 19TH CENTURY  
3 units

This course is a survey of poetry from its earliest beginnings, including Chaucer, Milton, and Shakespeare, and encompassing the Renaissance, the Neoclassical Period, and the Romantic Period.

ENLIT 125.10  
MODERN POETRY  
3 units

This course is an intensive study of representative works and authors of modern poetry designed to develop a critical and a historical approach toward leading and seminal figures in 20th century poetry.

ENLIT 126

DRAMA TO THE 19TH CENTURY

3 units

This course is an intensive study of representative plays and playwrights up to the 19th century.

ENLIT 126.10

MODERN DRAMA

3 units

This course is an intensive study of representative modern plays and playwrights from the late 19th century to the early 21st century

ENLIT 126.20

CLASSICAL DRAMA

3 units

This course is an intensive study of the classical drama of the Greeks and Romans, including Aeschylus, Euripides, and Sophocles.

ENLIT 126.30

ASIAN DRAMA

3 units

This course is an introduction to Asian drama and a survey of representative works from both classical and modern Asian theater.

ENLIT 126.40

PHILIPPINE DRAMA

3 units

This course is a study of the history and evolution, texts, and artistic dimensions of different Philippine dramatic forms, from the traditional to the modern.

ENLIT 127

SHAKESPEARE: TRAGEDIES

3 units

This course is an introduction to Shakespearean tragedy, including *Macbeth*, *Hamlet*, *King Lear*, and *Othello*.

ENLIT 127.10

SHAKESPEARE: COMEDIES AND HISTORY PLAYS

3 units

This course is an introduction to Shakespearean comedies and historical dramatic works, with emphasis on the texts as poetic drama. Historical and biographical materials are used where relevant.

ENLIT 128

THE NOVEL TO THE 19TH CENTURY

3 units

This course is an intensive study of the traditional novel, reviewing its evolution from both narrative and non-narrative antecedents into the genre that emerged in the 18th century and underwent variations in the 19th century. The readings include twelve novels beginning with Cervantes' *Don Quixote*.

ENLIT 128.10

THE MODERN NOVEL

3 units

This course is an intensive study of the modern novel with emphasis on differentiating the modern novel from the traditional novel. The reading list includes twelve novels from the turn of the century to the mid-1960s.

ENLIT 128.20

THE NINETEENTH CENTURY BRITISH NOVEL



3 units

This course is a survey of the nineteenth century British novel with a view to studying its forms (Satire, Gothic, Bildungsroman, Mystery, Horror, Science Fiction, Adventure, etc), and the themes, styles, literary conventions, and historical and philosophical influences of the period (rationalism, romanticism, realism, colonialism, etc.).

ENLIT 128.30

PHILIPPINE NOVEL IN ENGLISH

3 units

This course is a survey of the Philippine novel in English from the Spanish regime to the present, including works by Rizal, Nollado, Dalisay, Jose, and Santos.

ENLIT 129

LITERATURE AND IDEAS I: FICTION/LITERATURE AND IDEAS I: FICTION (DEVELOPMENT OF FICTION)

3 units

This course is a study of specific themes and literary trends in prosaic fiction. The course explores short stories, novellas, and novels from different eras and continents.

ENLIT 129.10

LITERATURE AND IDEAS I: POSTMODERN NOVEL

3 units

This reading course introduces students to themes and aesthetic concerns associated with postmodern fiction. It begins with short stories that trouble the so-called line between fiction and reality, then proceeds with novels and films that not only foreground what seems to be the metafictional quality of the lives we live (invariably as the authors, readers and characters of our personal and collective histories), but also the roles of media, technology, and consumer culture in contemporary constructions of meaning.

ENLIT 129.20

LITERATURE AND IDEAS I: FANTASY LITERATURE

3 units

This course is a course on the modes, conventions, and uses of fantasy in novels. Students are expected to investigate these works according to authorial intentions, literary influences, thematic and mythic connections, structure, and style.

ENLIT 129.21

LITERATURE AND IDEAS I: THE METAPHYSICS AND ETHICS OF ELFLAND II

3 units

This course is a reflection on the works of the Inklings: Charles Williams, C.S. Lewis, and J.R.R. Tolkien. It discusses the notions of secondary creation, romantic love, and *Sehnsucht* as hypothetical responses to the three Kantian questions on knowing, acting, and hoping.

ENLIT 129.30

LITERATURE AND IDEAS I: FAIRY TALE/CHILDREN'S LITERATURE AND THE ART OF SUBVERSION

3 units

Taking as framework Jack Zipes' idea that fairy tales (and by extension children's literature) function as means of socialization, this course studies the genre of children's literature and examines how it legitimizes or critiques the socio-cultural and historical environment that produced it. In addition, the course studies the subversive potentials of these texts (whether historically, socially, culturally or conceptually) in order to understand the impact of ideology and context in texts for children.

ENLIT 129.40

LITERATURE AND IDEAS I: LITERATURE AND CULTURE: READING THE ROMANCE

3 units

The course aims to examine the elements of the romance mode and to explore the different ways in which this pervasive mode has determined/conditioned a variety of texts – from the medieval romance to the romantic novel – in the West and in the Philippines. To be included as examples are selected literary texts (stories revolving around Camelot, *Ibong Adarna*, *Mills and Boon* series series and local romantic novels, among others), and other cultural fares such as films, television shows and the komiks.

ENLIT 129.60

SEMINAR: LITERATURE AND IDEAS I (SPECULATIVE FICTION)

3 units

This course is a student-driven, text-intensive seminar on the different genres of speculative fiction. It includes different forms of science fiction (hard, soft, u/dystopian, fantasy, time travel, military, horror, feminist, new wave, cyberpunk), superhero fiction, alternate history, magical realism, and supernatural fiction.

ENLIT 129.70

THE BIOLOGY OF SCIENCE FICTION

3 units

This course is a joint offering of the Department of Biology and English. The course deals with the critical analysis and discussion of science fiction and of the biological basis behind popular trends in the genre.

ENLIT 129.80

LITERATURE AND IDEAS I: DETECTING CRIME FICTION

3 units

This course detects the various forms of crime fiction, reveal the controversies over origins and generic hybridity, and contextualize crime fiction against racist, feminist, and post-colonialist charges. Primary texts include works from Agatha Christie, Elizabeth George, Raymond Chandler, Tony Hillerman, Sara Paretsky, Jorge Luis Borges, Alain Robbe-Grillet, Jasper Fforde.

ENLIT 129.93

LITERATURE AND IDEAS I: THE CONTEMPORARY COMING-OF-AGE NOVEL

3 units

The coming-of-age novel documents the unique experience of traveling from childhood to personal maturity, typically with a difficult journey away from home. The framework by Johann Wolfgang von Goethe defines the “bildungsroman” as a novel of formation. Using a survey of bildungsroman texts from the late 20th and early 21st century, the course examines the various literary devices used to evoke a character’s departure from the familiar to adulthood. It draws upon the rich tradition of American coming-of-age novels in connection with Philippine bildungsroman stories. Topics include rebellion, identity formation, family, friendship, nationalism, romance, gender dynamics, and more.

ENLIT 130

LITERATURE AND IDEAS II: POETRY AND DRAMA

3 units

This course is a study of specific themes and literary trends in poetry and/or drama. The course explores short stories, novellas, and novels from different eras and continents.

ENLIT 130.10

LITERATURE AND IDEAS II: DEVELOPMENT OF DRAMA

3 units

This course is an introduction to playwrights and representative plays from Classical Antiquity to the Contemporary era. Works by the likes of Sophocles, Kiyotsugu, Marlowe, Shakespeare, Moliere, Ibsen, Shaw, Beckett, Duras, and David Henry Huang are discussed, taking into account the theatrical and symbolic aspects of the plays.

ENLIT 131

LITERATURE AND IDEAS III: FROM NOVEL TO FILM

3 units

This course is a study of the process of adapting the novel into film, examining how the two genres operate through varying narrative techniques, thereby, constructing different meanings. The course posits that adaptation is always a re-invention determined by the director's artistic vision and by historical, cultural, and industrial pressures.

ENLIT 131.10

LITERATURE AND IDEAS III: SHAKESPEARE IN THEATER

3 units

This course is a study of Shakespeare's plays in performance. Subjects include the theatrical dynamics and production of selected plays in Shakespeare's playhouse and the theatrical and cultural study of significant productions in selected periods, such as modernism and postmodernism.

ENLIT 131.20

LITERATURE AND IDEAS III: CULTURAL STUDIES (TRANSMEDIAL SHAKESPEARE)

3 units

This course provides an overview of some of the modes of existence of Shakespeare as both textual artifact and cultural icon. It surveys a selection of Shakespearean incarnations in literary and theatrical traditions but moves outside the scope of conventional Shakespearean media to include music, the visual arts, popular culture, advertising, film, and other digital media. While looking at how Shakespeare as text and image has been re-imagined and reinvented in various media, the course emphasizes how the transmedial transaction is never purely aesthetic or merely formalistic but is also subject to complete mediations of cultures and histories.

ENLIT 131.30

LITERATURE AND IDEAS III: THE PHILIPPINE TELESERYE

3 units

This course explores the contemporary soap opera called the "teleserye" in Philippine television in contemporary times. Using cultural studies and media studies frameworks, the exploration is historical, poetic, and aesthetic in nature, and explicates the development of the genre as it was practiced, defined (and re-defined) in the last 30 years, beginning with the return of democratized Philippine television after the 1986 EDSA Revolution, until the most recent "Korean turn." This course is designed for literature majors and minors who wish to engage in Filipino popular cultural texts and communication majors aiming to deepen their understanding of the genre.

ENLIT 131.50

LITERATURE AND IDEAS IV: NON-FICTION

3 units

This course is a study of various works of non-fiction. The course explores essays, biographies, journals, travelogues, and letters from different literary traditions. Texts in various genres are discussed and analyzed in order to determine how truth can be manipulated in various 'creative' ways, so that the retelling of facts can become 'literary'. Aside from exploring established forms and conventions in creative non-fiction, the course likewise considers how factors like new media and aesthetic trends influence non-fiction and bring it to a new direction.

ENLIT 131.70

LITERATURE AND IDEAS IV: STUDY OF POPULAR TEXTS

3 units

The course introduces the students to the different forms of popular culture as products of the complex interaction of forces in society. It also aims to enable the students to understand the diverse ways to approach cultural artifacts and thus create a more critical perspective.

ENLIT 132.6

EUROPEAN LITERATURE

3 units

This course is an introduction to major European writers from the ancient world to postmodernist times.

ENLIT 132.10

EUROPEAN MASTERPIECES

3 units

This course is an introduction to representative works that have shaped and influenced European literature, including works by Leo Tolstoy, Gustave Flaubert, and Franz Kafka.

ENLIT 132.30

AMERICAN LITERATURE

3 units

This course is a survey of representative works and authors of the New World, including Whitman, Dickinson, Nabokov, Faulkner, Roth, Updike, and Morrison.

ENLIT 132.40

BRITISH LITERATURE

3 units

This course is an introduction to major British writers and their works, including Milton, Keats, Pound, Forster, and Greene.

ENLIT 132.50

BRITISH LITERATURE: 19TH CENTURY BRITISH WOMEN WRITERS

3 units

The 1800s saw the emergence of women writers in Britain, many of whom retain contemporary popularity. First publishing anonymously or as male writers, these women slowly made a space for their ideas, writing against Victorian class, gender, and race injustices. Issues of British imperialism, property, sexuality, representations of others, and novelistic conventions are explored and discussed through both the primary text and through secondary readings.

ENLIT 132.80

LITERATURE AND IDEAS I: IRISH FICTION

3 units

The course surveys Irish fiction in English from the late-seventeenth century to the present day. It mixes novels and short stories and considers the particular qualities of both. Formal experimentation is a characteristic of Irish prose fiction over the centuries, moreover, works in the course also engage with the modes of romance, fictional autobiography, memoir, realism, metafiction, popular fiction, the Big House novel, crime writing, and travel. Ireland has, for centuries, been subject to waves both of immigration and emigration and the selections engage with ways experience has altered over the centuries in response to political, social, and economic change.

ENLIT 133.20

PHILIPPINE LITERATURE IN SPANISH

3 units

This course is an intensive study of representative Philippine writings in Spanish and their writers.

ENLIT 133.30

PHILIPPINE LITERATURE IN THE VERNACULAR/  
SEMINAR PHILIPPINE LITERATURE IN THE VERNACULAR

3 units

This course is an intensive study of representative Philippine writings in the vernacular languages and their writers.

ENLIT 134

ASIAN LITERATURE I: INTRODUCTION TO ASIAN WRITING IN ENGLISH

3 units

This course is a study of the works and trends of Asian Literature written in the English language, including prose, poetry, drama, and essays from various periods from all regions of Asia.

ENLIT 134.10

ASIAN LITERATURE IV: THE MALAY-MEDITERRANEAN COSMOPOLLIS:

A SURVEY OF ISLAND LITERATURE IN TRANSLATION

3 units

To provide a critical alternative to dominant paradigms in the "worlding" of literature, this course aims to focus on the Malay-Mediterranean circuit as a literary domain around which ideas, texts, and sources are circulated. Against the westward, Eurocentric trajectory of world literature, the geopolitical frame demarcated here is decidedly aligned with a pre-existing route of travel and translation excluded by prevailing imperial/national meta-geography. In foregrounding this zone, the course seeks to include and traverse exemplary islandic literature, both ancient and modern, across oral and written genres, emanating from Southern India, Western Indonesia, Northern Malaysia, and the Southern Philippines.

ENLIT 135

LITERATURE AND IDEAS I: FICTION (WRITING ACROSS RACE, LANGUAGE, AND CULTURE:  
INTRODUCTION TO SINGAPORE FICTION)

3 units

The course is a study of the themes and literary trends in prosaic fiction. Short stories and novels specifically in Singapore literature written in English are explored.

ENLIT 137

LITERATURE AND IDEAS III: LATIN AMERICAN LITERATURE

3 units

This course is a study of the literature of Latin America as the expression of the identity and independence of the different countries of the region.

ENLIT 140

LITERATURE AND IDEAS I: CREATING NARRATIVES (AN INTRODUCTION TO NARRATOLOGY)

3 units

This course begins with questions: How do writers and theorists experiment with the typical conventions of story-telling? How has the theory of narrative changed over the years? Most importantly, how do our stories make sense of ourselves and our nation? The purpose of the course is threefold: to introduce aspects of narrative theory that shape current theoretical debate and critical practice; to analyze how narrative is worked out in children's literature, in personal memoir, and in narratives of nationhood; and to write our own narratives, aware of our background and perspective.

ENLIT 141

LITERATURE AND IDEAS III: CULTURAL STUDIES/ LITERATURE AND IDEAS IV: CULTURAL STUDIES

3 units

This course is a study of the relationship between literature and the trends and movements of history and culture. The course explores texts from different eras and continents.

ENLIT 141.10

LITERATURE AND IDEAS III: CULTURAL STUDIES: TEXT AND TEXTUALITY

3 units

This course studies "texts" (both traditional literary genres and cultural/textual forms like TV, performances, events, etc.). It examines them as cultural practices which construct/constitute meaning. It questions "textuality" or the presumed degree of stability that enables signification.

ENLIT 141.11

LITERATURE AND IDEAS III: CULTURAL STUDIES: CULTURES OF COLD WAR DECOLONIZATION

3 units

This course is an interdisciplinary seminar, Cultures of Cold War Decolonization explores the rise of the Philippine postcolonial state in the shadow of American empire, focusing particularly on the emergence of modern “Filipino” literature, anthropology, and art. It covers the first two decades after 1946 to shed light on the following questions: How did writers, anthropologists, and artists grapple with decolonization and the Cold War? What defining works in culture and society constituted the Filipino in particular and the Third World in General? The course examines literature, ethnography, and visual art spanning Philippine–American relations from the period.

ENLIT 141.20

LITERATURE AND IDEAS III: CULTURAL STUDIES: READING SEX AND SEXUALITY

3 units

This subject engages with a diverse range of texts, from Euro–American re–theorizations of gender and sexuality to recent engagements with postcolonial and global contexts. It includes critical work on topics such as sadomasochism, queer space, intergenerational desire, transgender subjectivity, and homonormativity, among others. On completion of this subject students should be able to explicate the complex imbrications of gender and sexuality and to analyze the representation of gendered and sexual identities and desires in various cultural texts.

ENLIT 142

LITERATURE AND IDEAS III: TEXTS AND CONTEXTS

3 units

This course is a discussion of texts as a social field rather than as an autonomous object of inquiry. Focus is on discursive practices as generated by differences in a complex field of contestation in which issues from textual and contextual relationships challenge and negotiate significance(s) for ascendancy.

ENLIT 145.10

LITERATURE AND IDEAS III: PIERRE BOURDIEU AND LITERARY STUDIES

3 units

The course provides an introduction to the renowned French sociologist, Pierre Bourdieu’s contribution to literary studies through a thorough discussion of his main concepts of habitus, capital, field and symbolic power. The relevance of Bourdieu’s method in the understanding of the current transnational turn in literary studies is established.

ENLIT 146

LITERATURE AND IDEAS IV: INTRODUCTION TO SEMIOTICS

3 units

This course introduces to students to semiotics/semiology, not as a branch of linguistics, but from the vantage point of its development in recent decades as a more encompassing form of cultural studies devoted to the study of various sign systems; and, indeed, as predicted by the modern linguist Ferdinand de Saussure, as a cross-disciplinary enterprise that was to count linguistics itself (especially of the structuralist kind) both foundationally, and as one semiotic/semiological substrate among many.

ENLIT 150

LITERATURE AND IDEAS III: LITERATURE AND FILM

3 units

This is a seminar on the ways cinema has interpreted various Philippine literary texts.

ENLIT 151

LITERATURE AND THE SCIENCES

3 units

This course examines the relationship between literature and the sciences, and investigates the limitations and possibilities generated by bridging these two areas. The materials covered include as may be gleaned

from interdisciplinary literary and cultural texts — Aldous Huxley’s literary and critical works; science fiction; ecological criticism; and sustainability studies, to name a few.

ENLIT 152

LITERATURE AND THE SOCIAL SCIENCES

3 units

This course examines the relationship between literature and the social sciences. Students read literature and learn to imagine a sociological truth described and evoked in it. Through a close analysis and interpretation of selected works, students understand how literatures expresses some important truth about the nature of the experience related to the social sciences embodied in it where novelists, sociologists, and historians come together to attempt to interpret and explain a complex social reality, not by empirical tests of validity but through the power of keen observation and creative representation.

ENLIT 153

LITERATURE AND ECONOMICS

3 units

This course examines the critical exchange between literature and economics. Students read literary works and theories which focus on the issues of authorship and commerce; the homologies between money and language; Mauss’s gift theory as expounded on by Lewis Hyde in contradistinction to market economy; and George Batailles who expanded the mode of exchange to a theory of erotic commerce: consumerism and commodity culture.

ENLIT 154

LITERATURE AND THE ENVIRONMENT

3 units

How does one read literature through an ecocritical lens? This course is an introduction to the growing canon of environmental literature, environmental literary history and the theory of ecocriticism. By examining an array of literary texts (including photographic and filmic texts) by writers from diverse race, class, gender, and geographical locations, the student gains a critical awareness of humanity’s complex relationship to Earth that might be useful for initiating the process of recuperating the environment in our current condition of environmental degradation. Issues such as sustainability, conservation, catastrophe-management, postcolonialism and the environment, among others, emanate from textual interrogations.

ENLIT 155

LITERATURE AND RELIGION

3 units

The course explores how literary texts deal with religious themes such as human mortality and suffering, divine will and justice, morality, and the cosmic order. Focusing on the main religions of Christianity, Islam, Hinduism, and Buddhism, this course offers a reading list from different genres and across timeframes and cultures. The discussions are enhanced with interdisciplinary insights from critical theory, anthropology and sociology of religion, and theology.

ENLIT 156

LITERATURE AND IDEAS IV: LITERATURE AND THE LAW

3 units

The course examines the intersections between literary and legal theory. Through reading a range of literary texts, it highlights how legal issues are addressed in these works and how both literature and the law have imagined, constructed, and expressed the meaning of human integrity and social justice. The course also considers the directions of this interdiscipline in the Philippine social, historical, political, and cultural contexts.

ENLIT 160

LITERATURE AND CULTURE: MEDIEVAL THEMES IN MODERN LITERATURE

3 units

This course is a 3-unit elective analyzing the medieval themes in modern literature, with emphasis on how Old English and medieval texts are brought into play in such modern narratives as *The Lord of the Rings* trilogy and T.H. White's *The One and Future King* among others. The course initially focuses on medieval *matière*—the themes inherent in medieval narratives, like the quest (e.g., the quest for the Holy Grail), the roles of the hero/king, the exile, the anti-hero, and women — then move on to discuss how these themes have been transformed by modern sensibility. It also seeks to answer the question of why medieval themes continue to inspire writers and filmmakers today.

ENLIT 161

LITERATURE AND IDEAS I: CULTURAL STUDIES: RETELLINGS

3 units

This is a course in retellings, stories that echo previously told tales but told by a different author using a different perspective. The primary concern is the dynamic interactions among reader, texts, and author, in order to explore whether — and in what ways — texts embody particular cultural values. Focus is on major traditional fairy tales, legendary and mythic themes of the Western world, and some 20th century revisions of those tales (in poetry, fiction, and drama). The course examines ways in which plot, characterization, language, dialogue, and imagery/metaphor are transformed and what these changes achieve for the text's meaning and/or context. More importantly, it examines how retold texts challenge and comment on their precursor texts.

ENLIT 162

LITERATURE AND IDEAS III: OUR BODY POETIC AND SENSE OF COUNTRY

3 units

This course on Filipino poetry wrought from English, 1905 to the present, cultivates a practice of reading that rests on our sense for language. It addresses issues in critical theory which arise from our basic assumptions, to wit: (1) Our sense of country is a sense of our people's story yearning for form; (2) One's sense of country is essentially a poetic sense: that is, work of imagination in and through language upon our own ground, which is our history and our culture; (3) In that light, our writers — of which the poet is the figure — create our sense of country.

ENLIT 162.10

LITERATURE AND IDEAS III: CULTURAL STUDIES: (PHILIPPINE ENGLISH AND FILIPINO AMERICAN LITERARY POSTCOLONIALITY)

3 units

This is a study of the relationship between literature and the trends and movements of history and culture. It explores and compares two literary traditions otherwise considered as separate: the older English-language tradition emerging by 1925, after a full generation of U.S. colonial rule over the Philippines; and the younger but now-thriving tradition of Filipino Americans and immigrants, especially after the 1960s U.S. "yellow power" movements. Topics include the question of writing in the colonizer's language; Filipino invisibility and displacements in U.S. multiculturalism and in postcolonial theory and critique; modern Filipino postcolonial identity politics; historical fiction and poetry as genres of choice for Filipino English and American writers; and Filipino American literary postmodernism.

ENLIT 162.20

LITERATURE AND IDEAS III: CULTURAL STUDIES: (LITERATURE AND WRITING: THE BOOK)

3 units

This course is an introduction to the wonderful world of the History of the Book. It involved the study of the origins and development of the book as a material object and as an agent of civilization. Special attention is paid to Philippine book history and to Philippine literary publishing.

ENLIT 162.30

LITERATURE AND IDEAS III: CULTURAL STUDIES: (LITERATURE, FILM, AND OPERA)

3 units



This course presents literature as narrative source of opera and also establishes the libretto by itself as a viable work of literature. Finally, the course examines the union of literature and opera as embodied through the medium of film and its various elements – from cinematography to mise-en-scène, from editing to acting, from sound to ideology.

ENLIT 162.40

LITERATURE AND IDEAS I: VIOLENCE IN MARCOSIAN FICTION

3 units

Residues of violence seep through narratives about life under the Marcos regime. In this course students close-read short stories and novels, focusing on state-promoted violence as a problem for philosophy and literary representation. The problem is that state violence not only warps self-other relations. It also alters the means upon which storytellers rely to restore human sense to dying and survival. This course responds to the nostalgia and amnesiac revisionism currently framing the Philippines' totalitarian past. Against the perils of forgetting, the truth of fiction offers a possible antidote.

ENLIT 162.50

LITERATURE AND IDEAS I: THE CONTEMPORARY COMING-OF-AGE NOVEL

3 units

The coming-of-age novel documents the unique experience of traveling from childhood to personal maturity, typically with a difficult journey away from home. The framework first popularized by Johann Wolfgang von Goethe defines "bildungsroman" as a novel of formation. Using a survey of Filipino and American bildungsroman texts from the late 20th and early 21st century, the course examines fantasy, realism, metaphors, character development, dialogue, and other literary devices to evoke a character's departure from the familiar to adulthood. Topics include, but are not limited to, societal rebellion, identity formation, examining roles within the family, friendship, romance, and gender dynamics.

ENLIT 163

LITERATURE AND IDEAS III: LITERATURE AND MEMORY STUDIES

3 units

This course introduces students to the concepts of (Cultural, Collective or Social) Memory Studies and its relationship with Literature, which is both cradle and (re)creator of memory. This semester, students are acquainted with basic theories that explain the memory processes of forgetting, representing and recognition through the lenses of fiction from local and diasporic Filipino authors. This course is guided by the following question: how does literature and memory help delineate Philippine cultural identity?

ENLIT 163.10

LITERATURE AND IDEAS III: LITERATURE, SEXUALITY, AND URBAN SPACE

3 units

The course examines contemporary queer-themed Asian literary and cinematic texts. Drawing on ideas from materials concerned with spatial politics and queer theory, it probes the ways in which the interplay between the erotic and the urban is transformed into aesthetics of dislocation, play, and transgression.

ENLIT 163.20

LITERATURE AND IDEAS III: LITERATURE AND TRAUMA STUDIES

3 units

This course introduces students to trauma fiction and to trauma studies issues (ethics, victimization and survival, memory, post-traumatic stress disorder and therapy, history, etc.). Students choosing this elective should be prepared to read texts pertaining to the Holocaust, 9/11, wars, slavery, rape and other extreme adverse events. Familiarity with deconstruction, postmodern, postcolonial and/or psychoanalytical theories would be helpful.

ENLIT 163.30

LITERATURE AND IDEAS III: LITERATURE AND BLACK STUDIES

3 units

This course introduces post-colonial theory to Literature, culture, and Black Studies. Topics include the Negritude movement, African-American double-consciousness and slavery, Caribbean diasporic black identity, women and blackness, epidermal stereotype, psychiatry and Bleaching Syndrome, representation of blackness in media and museums, and the black tradition in music from negro spirituals to Michael Jackson.

#### ENLIT 164

##### LITERATURE AND IDEAS III: TRANSNATIONALISM, DIASPORA, AND IDENTITY

3 units

The course takes an interdisciplinary approach to interrogate the intersection of “Transnationalism,” “Diaspora,” and “Identity” on the Filipino diaspora, particularly on the Filipino American diaspora. It interrogates how US racial formations constitute notions of race, migration, subjectivity, identity, race, and gender, and how these categories are produced and circulated. The course examines how these categories are deployed in some literary texts such as C. Bulosan’s *America is in the Heart*, NVM Gonzales’s *The Bamboo Dancers*, Z. Linmark’s *Rolling the R’s*, B. Santos’ “The Day the Dancers Came”. Finally, the course examines existing and potential sites of recuperation in the negotiation of Filipino American diasporic space.

#### ENLIT 164.10

##### LITERATURE AND IDEAS III: NAVIGATING SEA TEXTS:

##### A CRITICAL COMPARATIVE SURVEY OF MARITIME LITERATURE

3 units

The sea is a wellspring of imagination – it is troped as passage and abyss, bountiful and deserted, pacific and catastrophic. However, these conceptions of the sea are overwhelmingly dominated by Western and terra/torial discourse, ignoring other modes of knowing that may consider the sea otherwise. In this course, the tropicity of the sea is navigated through a survey of texts across cultures from antiquity to contemporary to reveal the counterpoints of maritime geopoetics. Through this, the concept of navigation is explored as trope and method: a way of moving through the aquatic and a way of moving through texts.

#### ENLIT 164.20

##### LITERATURE AND IDEAS III: IMPERIAL AND POSTCOLONIAL NESOLOGY

3 units

Nesology is a new interdisciplinary field consisting in “studies of the island-form or of islands and islandness.” This course explores Nesology’s creative approaches to historical, contemporary, and natural phenomena particular to islandic societies like the Philippines, focusing on the history and cultures of Philippine/Filipino-American postcoloniality and American imperial formations. The concept of “island-forms” furnishes us flexible frameworks for examining US empire-building and Filipino/other postcolonial formations in comparative perspective; we compare our experiences of US “insular imperialism,” and resistance to it, with those of former and current American island territories like Hawaii, Guam, Puerto Rico, American Samoa and Belau.

#### ENLIT 164.30

##### LITERATURE AND IDEAS I: CONTEMPORARY FICTION OF FILIPINOS ABROAD

3 units

This course surveys contemporary fiction by Filipino authors located outside the country. The various activities and discussions examine how these writers – immigrants from the Philippines, and cross-cultural authors raised outside the archipelago – incorporate specifically Filipino concerns and universal human questions into their work. Students analyze the literary methods, modes, common themes, and diverse deployments of genre within these novels and short stories, as well as explore modern issues of Filipino identity. Discussions include (but are not limited to) immigration, exile, religion, class, political power structures, criminality, love, and family within a modern, local and international literary context.

#### ENLIT 165

##### LITERATURE AND IDEAS III: SECURITY, TERROR, AND TECHNOLOGY

3 units

The course interrogates discourses surrounding technology, security, and terror through legal and historical documents, literature, film, and new media. Course aims include: (1) introducing a number of contemporary theories of race and the state; (2) developing students' skills in critical thinking and cultural and discourse analysis; and (3) teaching research methods.

ENLIT 166

LITERATURE AND IDEAS IV: MEDIA STUDIES: INTRODUCTION TO POPULAR CULTURE

3 units

This is a course that presents different approaches to reading popular texts in contemporary society. It discusses the textual and contextual aspects of the cultural apparatus in an attempt to present a theory of cultural studies and a practical framework for the critique of popular texts.

ENLIT 170

CREATIVE WRITING I: FICTION

3 units

This course is a creative writing workshop under the direction of a guest writer with guided writing, discussion, and analysis of students' original short stories, novellas, and novels.

ENLIT 171

CREATIVE WRITING II: POETRY AND DRAMA

3 units

This course is a creative writing workshop under the direction of a guest writer, with guided writing, discussion, and analysis of students' original poetic and/or dramatic works.

ENLIT 171.10

CREATIVE WRITING II: PLAY WRITING

3 units

This is a workshop course where original works of students are critically discussed in small and large groups under the guidance of an instructor who is an accomplished playwright. Topics pertinent to the students' development as writers are discussed, specifically why they write and what they hope to achieve by writing. The process encourages philosophical reflection for which theory and poetics are re/introduced.

ENLIT 171.20

LITERATURE AND IDEAS III: WRITING SEMINAR: DRAMA

3 units

This is a workshop course where original works of students are critically discussed in small and large groups under the guidance of an instructor who is an accomplished playwright. Topics pertinent to the students' development as writers are discussed, specifically why they write and what they hope to achieve by writing. The process encourages philosophical reflection for which theory and poetics are re/introduced.

ENLIT 172

CREATIVE WRITING II: POETRY

3 units

This is a workshop course where original works of students are critically discussed in small and large groups under the guidance of an instructor who is an accomplished poet. Topics pertinent to the students' development as writers are discussed, specifically why they write and what they hope to achieve by writing. The process encourages philosophical reflection for which theory and poetics are re/introduced.

ENLIT 172.10

LITERATURE AND IDEAS II: WRITING SEMINAR: POETRY

3 units

This is a workshop course where original works of students are critically discussed in small and large groups under the guidance of an instructor who is an accomplished poet. Topics pertinent to the students'

development as writers are discussed, specifically why they write and what they hope to achieve by writing. The process encourages philosophical reflection for which theory and poetics are re/introduced.

ENLIT 173

CREATIVE WRITING III: NON-FICTION

3 units

This course is a creative writing workshop under the direction of a guest writer, with guided writing, discussion, and analysis of students' non-fictional works such as personal essays, journals, and travelogues.

ENLIT 177

CREATIVE WRITING IV: TRANSLATION

3 units

This course is a creative writing workshop/seminar on the art of translation, including an appreciation of the theories, techniques, and complexities of translation.

ENLIT 180

SPECIAL TOPICS IN LITERATURE AND THE HUMANITIES

3 units

Designed to develop student's knowledge of how humanistic thought has developed for nearly three millennia, this course surveys literary, humanist, and cultural texts from different traditions and timeframes and examines the ways in which these works have enhanced the human person and the society. The course reflects the interdisciplinary transformations in today's world and aims to cultivate the cultural, aesthetic, and rhetorical literacy needed to become a cosmopolitan reader of human experience.

ENLIT 192.30

METHODS IN LITERARY AND CULTURAL RESEARCH AND PRACTICES

3 units

Prerequisites: ENLIT 41 and 42

The course introduces the students to various research methods in literary and cultural studies, and across the professions. Focus is on skills in analyzing, interpreting materials, and implementing data/text gathering protocols and procedures and the theoretical and conceptual frameworks that influence the methods.

ENLIT 197.1

PRACTICUM I

3 units

Prerequisites: ENLIT 21 and 22

The practicum is a three-unit course that offers opportunities for students to prepare for a particular career while drawing on their facility with literary and cultural studies. Track A and Track B Majors, at the start of their third year of study, are required to find placement in any one of the following literature-related practices: teaching, research, cultural work, and publishing. The work familiarizes students with the more practical outcomes of knowledge production.

ENLIT 197.2

PRACTICUM II

3 units

Prerequisite: ENLIT 197.1

The practicum is a three-unit course that offers opportunities for students to prepare for a particular career while drawing on their facility with literary and cultural studies; this course is a follow-up to Practicum I. Track A and Track B Majors, at the start of their fourth year of study, are required to find placement in any one of the following literature-related practices: teaching, research, cultural work, and publishing. The work familiarizes students with the more practical outcomes of knowledge production.

ENLIT 199.1

RESEARCH METHODS IN LITERARY AND CULTURAL STUDIES

3 units

Prerequisite: ENLIT 192.30

The course introduces students to various methods of literary research through a sampling of published research papers informed by literary analysis, literary history, sources and influence study, cultural studies, and discourse analysis. It is hoped that exposure to actual and current research orients students to literary scholarship as it is currently practiced.

ENLIT 199.2

INDEPENDENT RESEARCH IN LITERARY AND CULTURAL STUDIES I

3 units

Prerequisite: ENLIT 199.1

The course, the first of two parts, requires students to develop an original research topic in the field of literary or cultural studies. In writing their thesis proposal, students are expected to gather sources, read extensively, and compile a working bibliography. The proposal should identify the set of questions, issues, or contexts that the paper explores while indicating its contribution to literary/cultural studies scholarship.

ENLIT 199.3

INDEPENDENT RESEARCH IN LITERARY AND CULTURAL STUDIES II

3 units

Prerequisite: ENLIT 199.2

ENLIT 199.3: Independent Research in Literary and Cultural Studies II is a seminar course that consists of the drafting, defense, and revision of the research paper. The paper serves as the culminating project of the undergraduate literary study reflecting competent textual analysis, research-gathering, and critical thinking.

ENLIT 199.4

RESEARCH METHODS IN LITERATURE ACROSS THE PROFESSIONS

3 units

Prerequisite: ENLIT 192.30

ENLIT 199.4 focuses on the interdisciplinary nature of literature and other disciplines to advance knowledge-production in a more integrative educational experience. It describes the unique strengths of different disciplinary practices while also highlighting the complementary work of the disciplines in solving real world problems. The course integrates the body of theoretical and methodological concerns of the disciplines to the interdisciplinary research process to prepare students to write their thesis.

ENLIT 199.5

INDEPENDENT RESEARCH IN LITERATURE ACROSS THE PROFESSIONS I

3 units

Prerequisite: ENLIT 199.4

ENLIT 199.5 is the first of a two-part course that focuses on the process of interdisciplinary research, especially on the intersection of literary studies and the specific areas concentration, to help students write their thesis. The course presents an integrated and step-by-step research model that identifies research directions in various areas. Although the course stresses the importance of framing an appropriate interdisciplinary inquiry, the course also allows a certain flexibility of output and reflexivity of student learning that make integration achievable.

ENLIT 199.6

INDEPENDENT RESEARCH IN LITERATURE ACROSS THE PROFESSIONS II

3 units

Prerequisite: ENLIT 199.5

ENLIT 199.6 is a seminar course that consists in the drafting, defense, and revision of the thesis in Literature and the Professions. The final paper serves as the culminating project of the undergraduate interdisciplinary literary study reflecting competent textual analysis, integration of different disciplinary insights, research-gathering, and critical thinking.



# FILIPINO

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Taglay ang atas ng Pamantasang Ateneo de Manila na magsilbing taga-ingat at tagasulong ng kabang-yaman ng Kulturang Filipino, nang isinasaalang- alang ang pana-panahong pagbabago ng kasaysayan at lipunang sarili at pati ng sa mundo, itinatakda ng Kagawaran ng Filipino ang: propesyunal at multi- disiplinaryong pagtugon sa pangangailan na iuwi at iugat sa sariling kultura ang pamantasan at lahat ng pinaglilingkuran nito hindi sa pamamagitan ng pagtatakwil sa mga kaalamang hiram kundi sa integrasyon nito sa mga kaalamang sarili. Isasagawa ito sa pakikisangkot sa malikhaing praktis, pagtuturo, at pagsasaliksik na walang humpay na pinatitining at pinalalaya ng espiritwalidad ni San Ignacio.

## BATSILYER NG SINING SA PANITIKANG FILIPINO

Natatangi ang programang AB Panitikang Filipino sa pagkakaroon ng apat na larangan ng espesyalisasyon: pananaliksik, malikhaing pagsulat, pagtuturo, at pagsasalin. Gamit ang mga tradisyunal at kontemporaryong teorya sa araling pampanitikan at pangkultura, sasanayin ang mag-aaral sa pagbasa, pagsusuri at pagpapakahulugan sa mga akdang pampanitikan at mga teksto ng kulturang popular upang pagkaraan mailapat ang kanyang kasanayan sa produksiyon ng sariling teksto na may maiaambag sa alinman sa mga larangang nabanggit. Natatangi rin ang paradigma na pagtawid sa mga larangan (cross-disciplinary) sa Programang AB Diretso sa MA at Programang Minor sa Panitikang Filipino (Filipino Literature) na nagtatakda ng integrasyon ng mga kaalamang hiram sa mga kaalamang sarili. Higit sa lahat, pinatatatag at pinadadaloy ang lahat ng kaalaman sa mahusay at mabisang pagsulat.

Ang mga propesyong maaaring pasukin ng mga nagtapos sa programa ay ang pagiging guro, tagapagsaliksik, tagasalin, manunulat (sa pahayagan, radyo, telebisyon, advertising, o iba pang kaugnay na larangan), kritiko, at iba pang anyo ng pagiging manggagawang intelektwal.

<b>FIRST YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
PNTKN 111	Introduksyon sa Panitikan at Pampanitikang Pag-aaral	3	PNTKN 112	Introduksyon sa Teoryang Pampanitikan	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	PNTKN 192	Pampanitikang Pananaliksik	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	THEO 11	Faith, Spirituality, and the Church	3
PHYED 1	Physical Education	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	16(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		21(2)

<b>SECOND YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
PNTKN 113	Introduksyon sa Teoryang Pangkultura	3	PNTKN 115	Introduksyon sa Malikhaing Pagsulat	3
PNTKN 114	Introduksyon sa Postkolonyalismo	3	PNTKN 116	Introduksyon sa Pagsasalang Filipino	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FLC 11	Foreign Language and Culture 11	3	FLC 12	Foreign Language and Culture 12	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
	TOTAL	18(5)			

<b>THIRD YEAR</b>					
<b><u>Intersession</u></b>		<b><u>Units</u></b>			
PNTKN 197.1	Practicum 1	3			
	TOTAL	3(0)			



<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PNTKN 117	Introduksyon sa Panitikan at Ibang Larang	3	PNTKN 199.1	Panukalang Tesis	3
PNTKN Track A/B Course 1	Panitikan Track Course 1	3	PNTKN Track A/B Course 3	Panitikan Track Course 3	3
PNTKN Track A/B Course 2	Panitikan Track Course 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 3	Interdisciplinary Elective 3	3
IE 1	Interdisciplinary Elective 1 – English	3	TOTAL		15(0)
IE 2	Interdisciplinary Elective 2	3			
NSTP 12	National Service Training Program 12	(3)			
TOTAL		21(3)			

#### FOURTH YEAR

<u>Intercession</u>		<u>Units</u>
PNTKN 197.2	Practicum 2	3
TOTAL		3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PNTKN 199.2	Pagsusulat ng Tesis	3	PNTKN 199.3	Depensa ng Tesis	3
PNTKN Track A/B Course 4	Panitikan Track Course 4	3	PNTKN Track A/B Course 6	Panitikan Track Course 6	3
PNTKN Track A/B Course 5	Panitikan Track Course 5	3	PNTKN Track A/B Course 7	Panitikan Track Course 7	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	PNTKN Track A/B Course 8	Panitikan Track Course 8	3
FREE ELECTIVE	Free Elective	3	SocSc 14	Politics, Governance, and Citizenship	3
TOTAL		15(0)	TOTAL		15(0)

Total Number of Academic Units: 145(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR IN PANITIKANG FILIPINO (FILIPINO LITERATURE)

The study of Filipino literature is essential in the fields of Psychology, Theology, Philosophy, Political Science, History, Sociology, Anthropology, Fine Arts, and in Communication. It bridges the gap between Western models and paradigms of conceptualization, and our own representations of reality. A minor in Filipino literature can also raise the students' skills in the use of the national language to the level of intellectual sophistication. Or, it can simply teach them to appreciate and take pleasure in reading our own literature, and inspire them to write their own.

#### *Eligibility Requirement*

Open to all undergraduate students of the Loyola Schools.

#### *Admission Requirements*

Student must obtain at least a grade of “B” for

FILI 11 Malayuning Komunikasyon

FILI 12 Panitikan ng Pilipinas

*Minimum Grade Requirement*

Student must maintain at least a grade of “C+” for all Filipino courses.

*Program Curriculum*

Required Courses (12 units)

PNTKN 111 Introduksiyon sa Panitikan at Pampanitikang Pag-Aaral

PNTKN 112 Introduksiyon sa Teoryang Pampanitikan

PNTKN 113 Introduksiyon sa Teoryang Pangkultura

PNTKN 114 Introduksiyon sa Postkolonyalismo

Elective Course (3 units)

One (1) PNTKN Elective

Total Number of Units for the Minor: 15 units

COURSE OFFERINGS

PNTKN 111

INTRODUKSIYON SA PANITIKAN AT PAMPANITIKANG PAG-AARAL

3 units

Nakatuon ang kurso sa pagpapakilala sa Filipino bilang isang larang na may interdisiplinaryong bisa o talab. Ipinamamalas ng kurso ang kakayahan ng Filipino na sabay na pagbatayan ang katutubong kultura at mangusap sa kalakarang global ng mga idea, praktis at pamamaraan sa mga napapanahong usapin. Binubuo ang kurso ng mga panayam na maglalatag ng lawak at lawig ng mga saliksik at kaisipang magsisilbing huwaran ng pag-aaral ng panitikan at araling Filipino.

PNTKN 112

INTRODUKSIYON SA TEORYANG PAMPANITIKAN

3 units

Prerequisite: PNTKN 111

Nakatuon ang kurso sa pag-aaral ng mga teoryang pampanitikan na lumitaw simula sa panahong klasikal ng mga Griyego hanggang sa siglo 18 sa Europa, at nagbigay-daan sa mga tradisyong kagaya ng kanon, asal, at mga sistemang kanluranin. Susuriin sa kursong ito ang pag-unlad ng mga kaisipan, usapin, at suliraning patuloy na tinutugunan ng teorya at kritisismong pampantikan nang may diin sa naging impluwensya nila sa ating sariling pagsusuri at pagpapahalaga sa panitikan, sining at kaalaman.

PNTKN 113

INTRODUKSIYON SA TEORYANG PANGKULTURA

3 units

Prerequisite: PNTKN 111

Nakatuon ang kurso sa pag-aaral ng mga teoryang pangkultura na lumitaw simula sa katapusan ng siglo 19 sa Europa at nagbigay-daan sa higit na dinamikong uri ng kritisismo na nagbigay-daan sa multidisiplinaryong lapit sa panitikan, wika, sining, midya at iba pang aspekto ng kultura. Bibigyang-diin sa kursong ito ang naging ugnayan ng mga produksiyong tekstuwal sa mga usaping gaya ng subhetibidad, bayan, kaunlaran, atbp.

PNTKN 114

INTRODUKSIYON SA POSTKOLONYALISMO

3 units

Prerequisite: PNTKN 112

Itong kurso ay introduksiyon sa diskurso ng postkolonyalismo at sa mahalagang gampanin nito sa pagbuo ng mga Filipino ng kanilang identidad at kasaysayan, palayo sa Kanluranin at imperyalistang naratibo. Tatalakayin ang mga aralin ukol sa postkolonyalismo at ang mga tiyak na paglalapat nito sa karanasan ng mga Filipino na bubuo ng mga kasaysayan ng bayan sa pagtatangkang bumuo ng rebisyon sa Kanluraning estruktura ng kapangyarihan at kaalaman.

PNTKN 115

INTRODUKSIYON SA MALIKHAING PAGSULAT

3 units

Bilang pambungad na kurso, nakatuon ito sa mga usapin ng paglikha at pagiging malikhain sa larang ng produksiyong pampanitikan at sining. Pag-aaralan sa kurso ang poetika ng mga kilalang manunulat mula sa Pilipinas at ibang bansa. Pag-uusapan ang mga proseso ng paglikha mula sa paghahanda, pananaliksik, sa aktuwal na paglikha, rebisyon at ebalwasyon. Tinataya sa kursong ito na nagmumula ang produksiyong pampanitikan sa samot-saring teorya ng paglikha at pagtatalaban ng mga ito.

PNTKN 116

INTRODUKSIYON SA PAGSASALING FILIPINO

3 units

Nakatuon ang kurso sa dalawang pangkalahatang aspekto: una, ang mga batayang teorya ukol sa pagsasalin mulang klasiko hanggang kontemporaneo tungo sa kritikal na pagsusuri ng iba't ibang pampanitikang akda na naisalin na sa Filipino at/o Ingles, at; ikalawa, ang pag-aaral ng mga huwaring praktika ng pagsasalin tungo sa aktuwal na pagsasalin sa Filipino at/o Ingles ng mga tekstong pampanitikan sa iba't ibang anyo.

PNTKN 117

INTRODUKSIYON SA PANITIKAN AT IBA PANG LARANG

3 units

Nakatuon ang kurso sa interdisiplinaryong pag-aaral sa panitikan. Tatahakin ng kursong ito ang pagsusuri kung papaanong binibigyan ng kamalayang pampanitikan ang iba't ibang disiplina o bise bersa. Gagamitin ang dulong na intradisyiplinaryo, interdisiplinaryo, transdisyiplinaryo, krosdisyiplinaryo at multidisyiplinaryo sa pagsusuri ng panitikan kaugnay sa iba pang disiplina gaya ng: agham, antropolohiya, sosyolohiya, sining, ekonomiya, batas, relihiyon, atbp.

PNTKN 119

MGA PORMALISMONG FILIPINO

3 units

Nakatuon ang mga kurso sa pagbatid ng kahalagahan at kakayahan ng mga akdang Filipino gaya ng tula, maikling kuwento, nobela, dula at sanaysay mula katutubo hanggang kontemporanyo sa pamamagitan ng maingat at masinop na pagpapako ng atensiyon sa teksto, sa pagsusuri ng mga elemento at sangkap na bumubuo rito, sa kahalagahan ng paglinang ng wika at ng mga retorikal na instrumento. Kasabay nito, binibigyang-halaga ang bukal o tradisyong bawat sangkap o aspekto ng panitikan, sa gayon ay malinaw na makikita ang naging takbo ng kasaysayan ng panitikan o mga panitikan ng bansa nang may pagsasaalang-alang sa iba't ibang perspektiba ng formalismong hinubog ng partikular nating kasaysayan.

PNTKN 119.1

MGA PORMALISMONG FILIPINO: TULA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang dulong sa pagbasa ng panulaang Filipino na nagpapahalaga sa mga katangian at bisa ng anyo ng tula at kung paano ito hinubog ng mga panlipunang puwersa na nagtakda ng moda ng pagbasa, pagsulat, pagtuturo at diseminasyon ng tula sa bansa. Susuriin ang piling mga tula na

nagsasaakto ng namamayaning prinsipyo o pananaw hinggil sa anyo sa partikular na yugto ng kasaysayan at kung paano humuhulagpos ang tula upang maitulak ang pagbabanyuhay ng panulaan.

PNTKN 119.2

MGA PORMALISMONG FILIPINO: MAIKLING KUWENTO & NOBELA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang dulog sa pagbasa ng maikling kuwento at nobela na nagpapahalaga sa katangian at anyo nito. Nilalayan ng kursong ito na makapagsuri ng maikling kuwento at mga nobela nang may pagtutuon sa anyo at mga katangiang estruktural nito na magbibigay-linaw sa naging pag-unlad ng mga ito bilang mga anyong pampanitikan na umaangkop sa nagbabagong kalagayang panlipunan. Kasabay ng paglalim ng kaniyang pag-unawa sa bisa ng mga anyong naratibo, nagkakaroon ng kakayahan ang mag-aaral na maitawid ang kaalamang ito sa iba pang larang.

PNTKN 119.3

MGA PORMALISMONG FILIPINO: SANAYSAY

3 units

Nakatuon ang kurso sa kasaysayan, kahulugan at mga katangian ng sanaysay bilang anyong pampanitikan sa Pilipinas. Layunin nitong makapagsuri ng iba't ibang anyo ng sanaysay na nagtutuon sa iba-ibang paksa na siyang gagawing lunsaran ng pagkilatis sa anyo at mga katangiang estruktural nito na nagbigay-daan upang maging isa ito sa pangunahing anyong pampanitikang nagtatanghal ng mga kaisipan at ideang Filipino na higit na nagmumuni at nagsusuri sa personal, politikal at sosyo-politikal na nibel.

PNTKN 119.4

MGA PORMALISMONG FILIPINO: DULA

3 units

Nakatuon ang kurso sa paglinang sa masusing pagbasa ng mga dula ayon sa pamantayan ng pormalistang pagbasa. Bibigyang-tuon ang iba't ibang sangkap at elementong tinataglay nito na siyang magiging lunsaran upang makilala at higit na maunawaan ang dulang Filipino bilang anyong pampanitikang hinuhubog ng iba't ibang estruktural at panlipunang salik.

PNTKN 120.1

TEORYANG PAMPANITIKAN AT KRITISISMO SA PILIPINAS:

KLASIKAL NA TEORYANG PAMPANITIKAN AT KRITISISMO

3 units

Nakatuon ang kurso sa pag-aaral ng mga teoryang pampanitikan na lumitaw simula sa panahong klasikal ng mga Griyego hanggang sa siglo-18 sa Europa, at nagbigay-daan sa mga tradisyong kagaya ng kanon, asal, at mga sistemang Kanluranin. Susuriin sa kursong ito ang pag-unlad ng mga kaisipan, usapin, at suliraning patuloy na tinutugunan ng teorya at kritisismong pampantikan nang may diin sa naging impluwensiya nila sa ating sariling pagsusuri at pagpapahalaga sa panitikan, sining, at kaalaman.

PNTKN 120.2

TEORYANG PAMPANITIKAN AT KRITISISMO SA PILIPINAS:

MODERNONG TEORYANG PAMPANITIKAN AT KRITISISMO

3 units

Nakatuon ang kurso sa pag-aaral ng mga teoryang pampanitikan na lumitaw simula sa katapusan ng siglo-19 sa Europa at nagbigay-daan sa higit na dinamikong uri ng kritisismo na nagbigay-daan sa multidisiplinaryong lapit sa panitikan, wika, sining, midya at iba pang aspekto ng kultura. Bibigyang-diin sa kursong ito ang naging ugnayan ng mga produksiyong tekstuwal sa mga usaping gaya ng subhetibidad, bayan, kaunlaran, atbp.

PNTKN 121

MGA KILUSANG PAMPANITIKAN

3 units

Nakatuon ang kurso sa pagtalunton sa diakroniko at sinkronikong pag-unlad ng mga kilusang pampanitikan sa Pilipinas. Nakasalikop sa pagtalunton na ito ang pagdidiskurso sa mga salik na humubog sa pag-usbong, pananatili, pamamayani, paghina at maging pagkawala ng mga kilusang malay o di-malay sa kanilang pag-iral

bilang kilusang pampanitikan. Sentral sa talakayan ang problematisasyon ng kilusang pampanitikan bilang konseptuwal, pormal at politikal na kategorisasyon ng mga nagtatagisang ideolohiya sa kasaysayan ng panitikan at bansa.

PNTKN 123

RIZAL AT MGA KAISIPANG FILIPINO

3 units

Nakatuon ang kurso sa mga sulating inakda ni Jose Rizal at kung paano nito hinubog ang kaisipang Filipino. Tatalakayin at susuriin ang kaniyang mga nobela, tula, mga sanaysay, at mga salin upang taluntunin ang mga kondisyong humubog sa kaniya at bagtasin kung papaano ito naghahayag at/o nagtatampok ng pagkatao at pagkakakilanlang Filipino. Itatanghal din ang mga umuulit na mga dalumat at kaisipan sa kaniyang mga sulatin. Isasakasaysayan ang pinanghanguan at konteksto ng mga dalumat at ideya na ito, at titimbangin ang patuloy na impluwensiya at halaga ng mga ito hanggang sa kontemporaryong panahon.

PNTKN 123.1

RIZAL AT MGA KAISIPANG FILIPINO: PANITIKAN NI RIZAL

3 units

Nakatuon ang kurso sa mga akdang pampanitikan ni Jose Rizal at kung paano nito hinubog ang kaisipang Filipino. Tatalakayin at susuriin ang kaniyang mga nobela, tula, mga sanaysay, at mga salin upang taluntunin ang mga kondisyong humubog sa kaniya at bagtasin kung papaano ito naghahayag at/o nagtatampok ng pagkatao at pagkakakilanlang Filipino. Itatanghal din ang mga umuulit na mga dalumat at kaisipan sa kaniyang mga sulatin. Isasakasaysayan ang pinanghanguan at konteksto ng mga dalumat at ideya na ito, at titimbangin ang patuloy na impluwensiya at halaga ng mga ito hanggang sa kontemporaryong panahon.

PNTKN 123.2

RIZAL AT MGA KAISIPANG FILIPINO: ANG IDENTIDAD NA FILIPINO AT SI RIZAL

3 units

Nakatuon ang kurso sa mga sulatin ni Jose Rizal at kung paano nito hinubog ang kaisipan at pagkataong Filipino. Tatalakayin at susuriin ang kaniyang mga nobela, tula, mga sanaysay, at mga salin upang taluntunin ang mga kondisyong humubog sa kaniya at bagtasin kung papaano ito naghahayag at/o nagtatampok ng pagkatao at pagkakakilanlang Filipino. Itatanghal din ang mga umuulit na mga dalumat at kaisipan sa kaniyang mga sulatin. Isasakasaysayan ang pinanghanguan at konteksto ng mga dalumat at ideya na ito, at titimbangin ang patuloy na impluwensiya at halaga ng mga ito hanggang sa kontemporaryong panahon.

PNTKN 123.3

RIZAL AT MGA KAISIPANG FILIPINO: PANITIKAN AT PILOSOPIYA NG IBA PANG REBOLUSYONARYO

3 units

Nakatuon ang kurso sa mga sulatin ni Jose Rizal at kung paano nito hinubog ang kaisipang Filipino. Tatalakayin at susuriin ang kaniyang mga nobela, tula, mga sanaysay, at mga salin upang taluntunin ang mga kondisyong humubog sa kaniya at bagtasin kung papaano ito naghahayag at/o nagtatampok ng pagkatao at pagkakakilanlang Filipino. Itatanghal din ang mga umuulit na mga dalumat at kaisipan sa kaniyang mga sulatin. Isasakasaysayan ang pinanghanguan at konteksto ng mga dalumat at ideya na ito, at titimbangin ang patuloy na impluwensiya at halaga ng mga ito hanggang sa kontemporaryong panahon. Bibigyang-diin sa kurso ang pinagsasaluhang dalumat at kaisipan nina Rizal, Apolinario Mabini at Andres Bonifacio, at ang bisa nito sa kontemporaryong panahon.

PNTKN 124

KANON NG PANITIKANG FILIPINO

3 units

Nakatuon ang kurso sa pag-aaral ng pagkabuo ng kanon ng panitikang Filipino at ng mga pamantayan sa paghubog nito. Sisiyasatin dito kung paano ito naitatag sa kasaysayan mula sa panahon ng pananakop ng mga Amerikano, at kung paano ito patuloy na binabago sa kasalukuyan na isinasalang-alang ang lahi, etnisidad,

kasarian at uri. Sa kurso makikita na hindi ang mga teksto ang nagbabago, kundi ang pagpapahalagang nakukuha sa mga ito, batay sa mga kontekstong historikal at panlipunan.

PNTKN 125

ANG PANITIKAN NG PROLETARYO

3 units

Nakatuon ang kurso sa pag-aaral ng mga tekstong pampanitikang likha o tungkol sa mga proletaryo, partikular na sa pang-Ikatlong Daigdig na konteksto ng Pilipinas. Sinusuri dito ang politika ng representasyon at metaporasisyon sa loob ng mga naturang teksto, at ang mga diskursong panlipunang kinapapalooban ng mga ito na siyang nagbabalangkang sa mga produksiyong pampanitikan. Sinisiyasat din dito ang mga opresibong limitasyong naitatagda ng mga puwersang panlipunan para sa mga proletaryo, habang kinikilatis ang mga posibilidad ng mapagpalayang ahensiyang umuusbong mula sa paglikha at pagbasa ng mga teksto.

PNTKN 126

ANG BAYAN AT ANG POSTKOLONYAL

3 units

Nakatuon ang kurso sa diskurso ng postkolonyalismo at sa mahalagang gampanin nito sa pagbuo ng mga Filipino ng kanilang identidad at kasaysayan, palayo sa Kanluranin at imperyalistang naratibo. Tatalakayin ang mga aralin ukol sa postkolonyalismo at ang mga tiyak na paglalapat nito sa karanasan ng mga Filipino na bubuo ng mga kasaysayan ng bayan sa pagtatangkang bumuo ng rebisyon sa Kanluraning estruktura ng kapangyarihan at kaalaman. Bahagi ng mga karanasang susuriin ang mga lunsarang tulad ng panitikan, kulturang popular, sining, ekonomiya, at politika upang sa bandang huli ay makabuo ng kasanayang makapanuri sa kontemporaneong kalagayan ng bayan.

PNTKN 127

ANG MITOPOETIKANG FILIPINO

3 units

Nakatuon ang kurso sa pagdalumat ng kolektibong kamalayang pinapangalanan bilang “Filipino” sa pamamagitan ng paghabi sa isang katutubong mitopoetiko. Sa pagsasaalang-alang sa proseso at diskurso ng arkipelahikong lunan, idiniriin ang alinsabay na pagtutulad at pag-iiba bilang dulog ng pagbasa sa mga tekstong pampanitikan at kultural kung saan inaapuhap ang mitopoetiko. Kasabay nito, tinatalunton ang mga pagbabago sa mitopoetiko sa pagsasakonteksto nito sa kasaysayan, bilang tagahubog at hinuhubog nito.

PNTKN 127.1

ANG MITOPOETIKANG FILIPINO: EKONOMIYA, LIPUNAN, POLITIKA AT KOSMOLOHIYA

3 units

Nakatuon ang kurso sa pagdalumat ng kolektibong kamalayang pinapangalanan bilang “Filipino” sa pamamagitan ng paghabi sa isang katutubong mitopoetiko. Sa pagsasaalang-alang sa proseso at diskurso ng arkipelahikong lunan, idiniriin ang alinsabay na pagtutulad at pag-iiba bilang dulog ng pagbasa sa mga gawain at sistemang kultural, partikular na sa mga larang ng ekonomiya, pulitika, at kosmolohiya. Tinatalunton ang mga pagbabago sa mitopoetiko sa pagsasakasaysayan nito sa lipunang Filipino, bilang tagahubog at hinuhubog nito.

PNTKN 127.2

ANG MITOPOETIKANG FILIPINO: PANITIKANG ORAL

3 units

Nakatuon ang kurso sa pagdalumat ng kolektibong kamalayang pinapangalanan bilang “Filipino” sa pamamagitan ng paghabi sa isang katutubong mitopoetiko. Sa pagsasaalang-alang sa proseso at diskurso ng arkipelahikong lunan, idiniriin ang alinsabay na pagtutulad at pag-iiba bilang dulog ng pagbasa sa mga tekstong pampanitikan, partikular na sa mga anyong kabilang sa tradisyong oral. Tinatalunton ang mga pagbabago sa mitopoetiko sa pagsasakasaysayan nito sa panitikang Filipino, bilang tagahubog at hinuhubog nito.

PNTKN 128

ANG MITOPOETIKANG ASYANO

3 units

Nakatuon ang kurso sa iba't ibang anyo ng panitikan ng Timog-Silangang Asya mula mito, epiko, alamat, at kuwentong bayan tungo sa makabagong anyo gaya ng tula, maikling kuwento, nobela, at dula. Binibigyang-diin ng kursong ito ang mga pagkakahawig at pagtatambisan ng panitikan ng Pilipinas sa panitikan ng Timog-Silangang Asya. Isinasakonteksto din ng pag-aaral ng mga panitikang ito ang umiiral na heopolitika ng mga bansang bumubuo sa Timog-Silangang Asya.

PNTKN 128.1

ANG MITOPOETIKANG ASYANO: MGA EPIKO NG TIMOG-SILANGANG ASYA

3 units

Nakatuon ang kurso sa iba't ibang anyo ng panitikan ng Timog-Silangang Asya mula mito, epiko, alamat, at kuwentong bayan tungo sa makabagong anyo gaya ng tula, maikling kuwento, nobela, at dula. Binibigyang-diin ng kursong ito ang mga pagkakahawig at pagtatambisan ng panitikan ng Pilipinas sa panitikan ng Timog-Silangang Asya na may pagdidiin sa epiko. Isinasakonteksto din ng pag-aaral ng mga panitikang ito ang umiiral na heopolitika ng mga bansang bumubuo sa Timog-Silangang Asya.

PNTKN 128.2

ANG MITOPOETIKANG ASYANO: MGA ALAMAT AT KUWENTONG-BAYAN NG TIMOG SILANGANG ASYA

3 units

Nakatuon ang kurso sa iba't ibang anyo ng panitikan ng Timog-Silangang Asya mula mito, epiko, alamat, at kuwentong bayan tungo sa makabagong anyo gaya ng tula, maikling kuwento, nobela, at dula. Binibigyang-diin ng kursong ito ang mga pagkakahawig at pagtatambisan ng panitikan ng Pilipinas sa panitikan ng Timog-Silangang Asya na may pagdidiin sa mga alamat at kuwentong bayan. Isinasakonteksto din ng pag-aaral ng mga panitikang ito ang umiiral na heopolitika ng mga bansang bumubuo sa Timog-Silangang Asya.

PNTKN 128.3

ANG MITOPOETIKANG ASYANO: MGA KATUTUBONG ANYONG PANGKULTURA

3 units

Nakatuon ang kurso sa iba't ibang katutubong anyong pangkultura ng Timog-Silangang Asya mula dula, katutubong pagtatanghal, katutubong sayaw, awiting bayan, atbp tungo sa makabagong anyo ng mga ito. Binibigyang-diin ng kursong ito ang mga pagkakahawig at pagtatambis ng mga katutubong anyong pangkultura ng Pilipinas sa katutubong anyong pangkultura ng Timog-Silangang Asya. Isinasakonteksto din ng pag-aaral ng mga anyong ito ang umiiral na heopolitika ng mga bansang bumubuo sa Timog-Silangang Asya.

PNTKN 129

MGA KATAWANG FILIPINO

3 units

Nakatuon ang kurso bilang pambungad sa pag-aaral ng mga diskursong panlipunan at pangkultura hinggil sa katawan, pati na sa mga puwersa at estrukturang humuhubog sa pag-unawa, pagdanas, paggamit, at pagturing dito.

PNTKN 129.1

MGA KATAWANG FILIPINO: PEMINISMO

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang lapit sa pagdalumat sa babae at sa mga estrukturang panlipunan na kumokondisyon sa gamit, pagpapakahulugan, pag-unawa, pag-aari, at halaga ng kaniyang katawan. Pag-aaralan at bibigyan ng kritikal na pagtalakay ang mga ambag ng sari-saring Teoryang Peminista kaugnay ng iba't ibang isyu tulad ng paggawa, pagkatha, subhetibidad, seksuwalidad, uri, etnisidad, kolonyalismo, globalisasyon, teknolohiya, at iba pa. Sisipatin ang mga kaisipang ito nang laging may paglingon sa lokal na karanasan ng pagkababae sa lipunan, kultura, panitikan, sining, at kasaysayan.

PNTKN 129.2

MGA KATAWANG FILIPINO: QUEER

3 units

Nakatuon ang kurso sa pagsipat at pagsusuri sa iba-ibang moda at mukha ng pagtatanghal ng katawang Filipino bilang *queer*. Lunsaran ng diskurso ang dulas at/o tigas ng konstruksiyon ng identidad at seksuwalidad sa lipunan at kasaysayang Filipino. Gamit ang iba-ibang lapit o pagteteoryang *queer* na pinausbong at pinaunlad ng kritisismong pampanitikan, bibigyang-pakahulugan ng kurso ang masalimuot na halagahan ng panitikan, kulturang popular, tradisyonal at bagong midya, sa pagkilala at/o pagkawala sa heteronormatibong dikotomiya ng labas (presensiya) at loob (esensiya) ng sinaring katawan.

PNTKN 129.3

MGA KATAWANG FILIPINO: PAGKALALAKI

3 units

Nakatuon ang kurso sa pag-aaral ng mga diskursong panlipunan at pangkultura hinggil sa katawan ng lalaki, pati na sa mga puwersa at estrukturang humuhubog sa pag-unawa, pagdanas, paggamit, at pagturing dito. Pagtutuunan ng pansin kung paanong kinakatha ang katawan ng lalaki bilang unibersal at dominante habang isinasantabi, minamaliit, o ginagawang *complicit* ang iba pa. Kritikal na tatalakayin ang ambag ng iba't ibang teorista sa pagdalumat ng pagkalalaki sa panitikan, tradisyonal at bagong midya, isport, relihiyon, sandatahang lakas, kulungan, kriminalidad, paggawa, at iba pa. Sisipatin ang mga kaisipang ito nang may tuon sa lokal na karanasan ng pagkalalaki.

PNTKN 129.4

MGA KATAWANG FILIPINO: KABATAAN

3 units

Nakatuon ang kurso sa pag-aaral sa diskursong panlipunan at pangkultura hinggil sa katawan ng bata/kabataang Filipino. Isa sa mga pangunahing kaalaman para sa mga bata ang pagkilala/pagpapangalan sa mga bahagi ng katawan. Bagama't sa kulturang Filipino, karaniwang iniwasan ang pagbigkas sa katawagan sa ari na siyang bubuod sa iba't ibang nibel ng pagkataong Filipino. Ang hindi mapangalanan, maitala, at maipakilalang "ari" ay masasabing bahagi ng Eurosentrikong diskursong hindi kumikilala sa puwersa ng primitibong katotohanan o ang primordial na eksistensya ng kanilang mga sinakop. Pag-aaralan, kung gayon, kung paanong ang iba pang ekstensyon ng iba't ibang kolonyal na *attitude* sa pagpopostura nito partikular sa panitikang nakalaan sa mga bata/kabataan ay patuloy na napapasailalim sa kanila sa subjektipikasyon sa iba't ibang espasyong kinasasangkutan nila.

PNTKN 129.5

MGA KATAWANG FILIPINO: MATANDA

3 units

Nakatuon ang kurso sa pag-aaral sa diskursong panlipunan at pangkultura hinggil sa matandang Filipino. Tatahakin ng kurso ang politika ng edad (*age*) at pagtanda (*ageing*) sa pagmamapa sa sari-saring institusyong tumitingin sa mga kalagayang hinaharap ng matatanda sa lipunan, gaya ng pamilya, estado, batas, simbahan, at iba pa. Hindi nalalayo rito ang imbestigasyon sa isyu ng representasyon sa iba't ibang tekstong pampanitikan na direktang sumasangkot sa pagkamamamayan ng matatanda sa komunidad, bansa, at daigdig. Mariing kinikilala ng kurso ang katawan ng matanda nang hindi hiwalay sa iba pa niyang katawang tinatakdaan ng uri, kasarian, seksuwalidad, etnisidad, relihiyon, at edukasyon. Gayundin, dahil bahagi ng diskurso sa katandaan ang pagsandig sa mga usaping pangsiyensiya, binubuksan ng kurso ang posibilidad na makipagtalastasan sa ibang disiplina gaya ng natural na siyensiya (*natural sciences*) at agham panlipunan (*social sciences*).

PNTKN 129.6

MGA KATAWANG FILIPINO: ETNISIDAD

3 units

Nakatuon ang kurso sa pagsusuri ng mga isyung panlipunang humuhubog sa pagbuo at pagbasag ng mga konseptong kaugnay sa katawang etniko buhat sa mga kamalayang iniluluwal ng mga tekstong kultural.



Bibigyang-din ng kurso ang pag-aaral sa mga usaping etniko sa loob at labas ng bansa gamit ang mga batayang teorya at konsepto ng etnisidad.

PNTKN 129.7

MGA KATAWANG FILIPINO: SUBALTERN

3 units

Nakatuon ang kurso sa paglalapat ng tanaw sa katawan bilang lunsaran ng kapangyarihan at kontrol ng mga puwersang kolonyal at neo-imperyal sa mga pangkat na *subaltern*. Susuriin ang mga karanasan ng mga Filipino kaugnay ng pagsusuheto sa kanila ng gayong mga nabanggit na puwersa at maging ng mga iniluwal nitong elitismo rin sa lipunan na magpapatuloy ng pagporma/pagdesporma sa tagusan ng katawan-kamalayan ng mga minamarhinadong pangkat. Hahalagahan ang mga inilalantad na kasaysayan ng mga katawang iyon na bunga ng mga pananaliksik na tumatalakay sa iba't ibang usapin tulad ng uri, identidad, paggawa, ekonomiya, wika, edukasyon, at iba pa. Aasahan din sa bandang huli ng kursong ito na makapagbibigay rin ng ibang perspektiba ang mag-aaral sa katawan ng mga Filipino bilang subaltern na mailalatag sa pamamagitan ng masinop na pananaliksik at paggamit ng mga teorya sa pagsipat.

PNTKN 129.8

MGA KATAWANG FILIPINO: POSTHUMAN

3 units

Nakatuon ang kurso sa problematisasyon ng mga kategoryang ginagamit sa pagdalumat sa katawan, patungo sa rekonseptuwalisasyon nito bilang *posthuman*. Pagtutuunan ng pansin kung paanong nabubura ang mga hangganan sa pagitan ng hayop/tao/makina habang nagbabago ang mga puwersa at estrukturang kumokondisyon sa pag-unawa, pagdanas, paggamit, at pagturing sa katawan. Sentral sa kurso ang kritikal na pagtatalakay sa mga argumentong inilatag ni Donna Haraway sa kaniyang sanaysay na "A Cyborg Manifesto," pati na sa mga naging pag-angkop/ rebisyon/ pagbatikos ng iba't ibang teorista ukol dito.

PNTKN 129.9

MGA KATAWANG FILIPINO: RELIHIYON

3 units

Nakatuon ang kurso sa pag-aaral ng diskursong panlipunan at pangkultura hinggil sa katawan ng Filipino na umaangkin sa, at inaangkin ng relihiyon habang nasasangkot sa iba pa niyang katawang tinatakdaan ng uri, kasarian, seksuwalidad, etnisidad, at edad. Tatalakayin ng kurso ang politika ng katawan at relihiyon sa pagmamapa sa iba't ibang panahon at espasyo ng mga paggalaw ng katawang nananalig habang tinatalunton ang iba't ibang puwersang sangkot sa institusyon ng paniniwala, gaya ng mga usapin sa pananamit (*dress code* sa simbahan, pagsusuot ng hijab), ritwal (sakripisyong hayop, ayuno, pista, prusisyon, pagpapako sa krus), himala, at maging ang materyalidad ng mga pigura/ikono (simbahan/iglesia/mosque, Santo Niño, bul-ul) ng relihiyon.

PNTKN 129.13

MGA KATAWANG FILIPINO: MAY KAPANSANAN

3 units

Nakatuon ang kurso sa pag-aaral ng diskursong panlipunan at pangkultura hinggil sa katawan ng Filipino na may kapansanan na tinatakdaan ng uri, kasarian, seksuwalidad, etnisidad, relihiyon, at edukasyon. Tinatahak ng pag-aaral ang iba't ibang salik sa kasaysayan at lipunan na nakapag-aambag sa konstruksiyon ng "may kapansanan" bilang katatawanan, kakulangan, at kababayan (mamamayan). Kasamang sinisilip dito ang pakikipagtalastasan sa sari-saring teorya at praktikang nalikha sa interdisiplinaryo at multidisiplinaryong larang ng *disability studies* sa loob at labas ng bansa na itinatanghal ang partikularidad ng karanasan at kamalayang Filipino sa mga may kapansanan para sa mas malawak at masaklaw na usapin ng katarungang panlipunan.

PNTKN 130

MGA KATAWAN SA PANITIKANG FILIPINO

3 units

Nakatuon ang kurso sa representasyon ng katawan sa iba't ibang panitikang Filipino. Pagtatambisin ang mga representasyong ito sa mga espesipikong ekonomiko, politikal at kultural na kondisyong kanilang pinag-uugatan upang makilatis ang konstruksiyon ng mga konseptong katulad ng kasarian, seksuwalidad, relihiyon, lahi, uring panlipunan, kapangyarihan, subalternidad, atbp. gamit ang iba't ibang proseso ng pagsasakatawan.

PNTKN 131

MGA PANDAMANG FILIPINO

3 units

Nakatuon ang kursong ito sa pagtáya sa mga pandama bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 131.1

MGA PANDAMANG FILIPINO: PANLASA

3 units

Nakatuon ang kursong ito sa pagtáya sa panlasa bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 131.2

MGA PANDAMANG FILIPINO: PANINGIN

3 units

Nakatuon ang kursong ito sa pagtáya sa paningin bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 131.3

MGA PANDAMANG FILIPINO: PANDINIG

3 units

Nakatuon ang kursong ito sa pagtáya sa pandinig bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 131.4

MGA PANDAMANG FILIPINO: PANG-AMOY

3 units

Nakatuon ang kursong ito sa pagtáya sa pang-amoy bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at

kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 131.5

MGA PANDAMANG FILIPINO: PANSALAT

3 units

Nakatuon ang kursong ito sa pagtáya sa pansalat bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 131.6

MGA PANDAMANG FILIPINO: KUTOB

3 units

Nakatuon ang kursong ito sa pagtáya sa kutob bilang pananaw o paraan ng pag-unawa sa mundo na ang mismong midya o lunsaran ang nagpapadaloy ng danas at nagbibigay-katuturan sa kasarian, kasarinlan, at kapangyarihan. Bagaman hindi pinasusubalian ang mala-siyentipiko at sikolohikong pagtingin sa pananaw o pag-unawa bilang pribado at internal na dinamismo, nakasandig ang kursong ito sa pananaw na ang mga pandama ay sistemang kultural na may sariling kasaysayan at politika. Dahil ang mga pandama ay karanasang kolektibo at may talab o tumatalab sa katawan, lugar at diwa, sinisikap sa kursong ito na matalunton ang masalimuot na ugnayan ng pandama sa ideolohiya, lipunan at indibidwal.

PNTKN 132

MGA DAMDAMING FILIPINO

3 units

Nakatuon ang kurso sa pag-unawa sa damdaming Filipino bilang balangkas sa pagsusuheto kaakibat ng mga damdamin: dalamhati, kapansanan, tuwa, hapis, komidya, takot, trauma, trahedya, atbp., sa pagsusuri ng iba't ibang tekstong kultural. Sa proseso bibigyang-daan ang pagkilala sa partikularidad ng naturang mga damdamin, sa mga manipestasyon at ekspresyon nito, at mga sanhi at bunga mula sa indibidwal at kolektibong danas bilang Filipino. Tutunguhin din sa kurso ang pagkonsumo dito sa sining at ibang larang, gayundin ang ugnayan ng damdamin sa ideolohiya, lipunan at indibidwal, at kung papaanong napakikilos o napipiit nito ang indibidwal sa espasyong kinalalagyan.

PNTKN 132.1

MGA DAMDAMING FILIPINO: DALAMHATI AT KAPANSANAN

3 units

Nakatuon ang kurso sa pag-unawa sa damdaming Filipino bilang balangkas sa pagsusuheto kaakibat ng dalamhati at kapansanan sa pagsusuri ng iba't ibang tekstong kultural. Sa proseso bibigyang-daan ang pagkilala sa partikularidad ng naturang mga damdamin, sa mga manipestasyon at ekspresyon nito, at mga sanhi at bunga mula sa indibidwal at kolektibong danas bilang Filipino. Tutunguhin din sa kurso ang pagkonsumo dito sa sining at ibang larang, gayundin ang ugnayan ng damdamin sa ideolohiya, lipunan at indibidwal, at kung papaanong napakikilos o napipiit nito ang indibidwal sa espasyong kinalalagyan.

PNTKN 132.2

MGA DAMDAMING FILIPINO: TUWA, HAPIS AT KOMIDYA

3 units

Nakatuon ang kurso sa pag-unawa sa damdaming Filipino bilang balangkas sa pagsusuheto kaakibat ng tuwa, hapis at komidya sa pagsusuri ng iba't ibang tekstong kultural. Sa proseso bibigyang-daan ang pagkilala sa

partikularidad ng naturang mga damdamin, sa mga manipestasyon at ekspresyon nito, at mga sanhi at bunga mula sa indibidwal at kolektibong danas bilang Filipino. Tutunguhin din sa kurso ang pagkonsumo dito sa sining at ibang larang, gayundin ang ugnayan ng damdamin sa ideolohiya, lipunan at indibidwal, at kung papaanong napakikilos o napipiit nito ang indibidwal sa espasyong kinalalagyan.

PNTKN 132.3

MGA DAMDAMING FILIPINO: TAKOT, TRAUMA AT TRAHEDYA

3 units

Nakatuon ang kurso sa pag-unawa sa damdaming Filipino bilang balangkas sa pagsusuheto kaakibat ng takot, trauma at trahedya sa pagsusuri ng iba't ibang tekstong kultural. Sa proseso bibigyang-daan ang pagkilala sa partikularidad ng naturang mga damdamin, sa mga manipestasyon at ekspresyon nito, at mga sanhi at bunga mula sa indibidwal at kolektibong danas bilang Filipino. Tutunguhin din sa kurso ang pagkonsumo dito sa sining at ibang larang, gayundin ang ugnayan ng damdamin sa ideolohiya, lipunan at indibidwal, at kung papaanong napakikilos o napipiit nito ang indibidwal sa espasyong kinalalagyan.

PNTKN 133

ANG EKOLOHIYA SA PANITIKANG FILIPINO

3 units

Nakatuon ang kurso sa mga usapin sa panitikan kaugnay ng pagbasa at pag-aaral ng mga tekstong tumatalakay sa dalumat ng kalikasan at kapaligiran, ng pagiging tao at di-tao, at ng kultura at lipunang Filipino, tungo sa pagsipat ng mga posibilidad at hangganan ng ekokritisismo sa panitikang Filipino.

PNTKN 134

MGA NILALANG SA PILIPINAS

3 units

Nakatuon ang kurso sa kultural at teoretikal na pag-aaral sa mga representasyon ng iba't ibang nilalang at pagkanilalang buhat sa mga tekstong pansining at pangkasaysayan tungo sa pagkilala sa iba't ibang anyo ng buhay na umiiral sa Pilipinong pagsasamundo ng mga pisikal, mental, at mitikal na panahon at espasyo.

PNTKN 135

MGA PANAHON SA PILIPINAS

3 units

Nakatuon ang kurso sa pagdalumat ng panahon alinsunod sa pagpapahalaga rito bilang isang kolektibong palaugnayan. Nakadiin ang pagtatangka sa konteksto ng Pilipinas sa pamamagitan ng iba't ibang tekstong pampanitikan at pangkultura, upang maapuhap ang mga rubrika ng mga pagpapakahulugan sa panahon. Tumutungo samakatuwid ang pagdalumat ng panahon sa diskurso ng pagpapasaysay nito: ang kasaysayan, ang pagsasalaysay ng panahon, bilang paraan ng artikulasyon nito.

PNTKN 136

ANG LUNAN SA PILIPINAS

3 units

Tinatangka ng kurso ang alinsabay na pagdalumat sa lunan bilang teksto at konteksto. Isinasalalay sa talakayan ang Pilipinas bilang lunan ng diskurso sa pamamagitan ng pagtutuon sa mga partikularidad ng topograpiya nito, bilang lunan ng paghubog at lunang hinuhubog ng kultura at panitikan. Sa mapanabay na pagpapakahulugang ito sa lunan, tumutungo ang pagpapalabo ng hangganan sa pagitan ng teksto at konteksto sa pagdalumat sa lunan bilang diskurso ng pangyayari/han ng paglikha, na umaalinsunod sa iba't ibang anyo ng kapangyarihang matalik sa materyal at topograpikong palaugnayan.

PNTKN 137

MGA PANITIKAN NG PILIPINAS I: MGA WIKA NG PANITIKANG FILIPINO

3 units

Nakatuon ang kurso sa pagsusuri ng mga panitikan ng Pilipinas mula sa isang perspektibang rehiyonal, nang may pagbibigay-diin sa mga wika ng rehiyon at sa mga poetikang sumisibol mula sa nasabing etnolingguwistikong batayan, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturool sa

kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng mga rehiyon. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dula ng mga panitikang rehiyonal tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.1

MGA PANITIKAN NG PILIPINAS I: PANITIKANG ILOKO

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Ilokano nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng rehiyon ng Ilocos. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dulang Ilokano tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.2

MGA PANITIKAN NG PILIPINAS I: PANITIKANG KAPAMPANGAN

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Kapampangan nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng Pampanga. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga tula, nobela, maikling kuwento at dulang Kapampangan tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.3

MGA PANITIKAN NG PILIPINAS I: PANITIKANG PANGASINAN

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Pangasinan nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng Pangasinan. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga tula, nobela, maikling kuwento at dulang Pangasinan tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.4

MGA PANITIKAN NG PILIPINAS I: PANITIKANG TAGALOG

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Tagalog nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng Katagalugan. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga tula, nobela, maikling kuwento at dulang Tagalog tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.5

MGA PANITIKAN NG PILIPINAS I: PANITIKANG BIKOLANO

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Bikol nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng rehiyong Bikol. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dulang Bikol tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.6

MGA PANITIKAN NG PILIPINAS I: PANITIKANG WARAY

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Waray nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturolo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng rehiyon ng Samar-Leyte. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga tula, nobela, maikling kuwento at dulang Waray tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.7

MGA PANITIKAN NG PILIPINAS I: PANITIKANG HILIGAYNON

3 units

Nakatuon ang kursong ito sa pagsusuri ng Panitikang Hiligaynon nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturolo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng rehiyon ng Panay. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dulang Hiligaynon tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.8

MGA PANITIKAN NG PILIPINAS I: PANITIKANG BISAYA

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Bisaya nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturolo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng Kabisayaan. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga tula, nobela, maikling kuwento at dulang Bisaya tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.9

MGA PANITIKAN NG PILIPINAS I: PANITIKANG CHABACANO

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Chabacano nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturolo sa kapaligiran, kasaysayan, identidad, sensibilidad na sinasaklaw ng kulturang Chabacano. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga tula, nobela, maikling kuwento at dulang Chabacano tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.13

MGA PANITIKAN NG PILIPINAS I: PANITIKANG MAGUINDANAOAN

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Maguindanao nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturolo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng mga Maguindanao. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dulang Maguindanao tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.14

MGA PANITIKAN NG PILIPINAS I: PANITIKANG TAUSUG

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Tausug nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturolo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng mga Tausug. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dulang Tausug tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 137.15

MGA PANITIKAN NG PILIPINAS I: PANITIKANG MARANAO

3 units

Nakatuon ang kurso sa pagsusuri ng Panitikang Maranao nang may pagbibigay-diin sa natatangi nitong poetika, at may pagsasaalang-alang sa mga aspektong nagpapahiwatig o tumuturo sa kapaligiran, kasaysayan, identidad, sensibilidad at kultura ng mga Maranao. Susuriin ang mga estilo at elementong pampanitikang taglay ng mga epiko, tula, nobela, maikling kuwento at dulang Maranao tungo sa pagbuo ng bagong pagtingin at pag-unawa sa paghubog ng kamalayang panrehiyon at pambansa.

PNTKN 138

MGA PANITIKAN NG PILIPINAS II: MGA TOPOGRAPIYA NG PANITIKAN

3 units

Nakatuon ang kurso sa pagpapakilala sa Panitikang Rehiyonal at sa mga usapin nito kaugnay sa diskurso ng panitikan ng sentro o Tagalog. Magiging diin sa pag-aaral ng topograpiya sa panitikan bilang mga *landscape* o espasyo ng artikulasyon ng rehiyonal na tinig na bubuo sa proyekto ng pagkabansa.

PNTKN 138.1

MGA PANITIKAN NG PILIPINAS II: PANITIKAN NG KABUNDUKAN

3 units

Nakatuon ang kurso sa dalawang rehiyon – ang Cordillera at Kabikolan – na kapwa mga nasa/nasasaklawan ng kabundukan. Ang mga “bukid” o bundok ang topograpiyang nananalaytay sa kanilang buhay ay mga espasyong umiiral din sa kanilang panitikan sa kabila ng mga pagbabagong dala ng pananakop at modernisasyon. Sisiyasatin sa kurso ang sosyo-kultural na halaga ng mga panitikan ng kanilang kabundukan.

PNTKN 138.2

MGA PANITIKAN NG PILIPINAS II: PANITIKAN NG KAPATAGAN

3 units

Nakatuon ang kurso sa topograpiya sa panitikan partikular na ang kapatagan bilang *landscape* o espasyo ng artikulasyon ng rehiyonal na tinig na bubuo sa proyekto ng pagkabansa. Bibigyang-pansin kung paano naiimpluwensiyahan ng kaligiran ng kapatagan ang kultura’t panitikan sa iba’t ibang bahagi ng Pilipinas. Tatalakayin ang mga tema’t suliraning partikular sa kapatagan at kung paano ito matatagpuan sa mga akdang pampanitikan.

PNTKN 138.3

MGA PANITIKAN NG PILIPINAS II: PANITIKAN NG KARAGATAN

3 units

Nakatuon ang kurso sa pagsusuri ng ugnayan ng panitikan at heograpiya, partikular na ng karagatan at iba pang anyong-tubig. Bilang isang kapuluan, bahagi ng kasaysayan ng kalinangan at kamalayan ng maraming etnolingguwistikong grupo sa bansa ang danas ng tubig. Mula sa identidad hanggang sa sistema ng pagsulat, mula sa mga kultural na pananda ng pakikipagkapwa hanggang sa diasporikong kalikasan ng mga pagtawid, mamamalas ang di-maihiwalay na sensibilidad hinggil sa katubigan. Mula sa pagiging imahen sa mga akdang pampanitikan, pahahalagahan sa kurso ang katubigan bilang udyok, layon, elemento, at tropo ng naratibisasyon ng sarili, bayan at rehiyon sa Asya na kinabibilangan.

PNTKN 139

MGA PANITIKAN NG PILIPINAS III: PANITIKAN NG DIASPORA

3 units

Nakatuon ang kurso sa iba’t ibang paglalakbay sa Panitikang Filipino. Partikular na tututukan nito ang mga panitikang nagtatanghal sa galaw ng tao at paglikas nang may pag-uusisa sa mismong artikulasyon ng paglalakbay, sa produksiyong kultural at representasyon ng sarili, sa mga ugnayan at espasyong nabubuo at/o nalalansag, at kung papaanong nahuhubog ang mga ito ng “mga” kontekstong kinalalagyan.

PNTKN 140

ANG PAGLIKHA NG FILIPINO I

3 units

Bilang pambungad na kurso, nakatuon ito sa mga usapin ng paglikha at pagiging malikhain sa larang ng produksiyong pampanitikan at sining. Pag-aaralan sa kurso hindi lamang ang mga teorya sa pagsulat na

naitatag na sa kilalang lapit katulad ng Sikoanalisis, Marxismo, Peminismo at Postkolonyalismo kundi ang poetika ng mga kilalang manunulat mula sa Pilipinas at ibang bansa. Pag-uusapan ang mga proseso ng paglikha mula sa paghahanda, pananaliksik, sa aktuwal na paglikha, rebisyon at ebalwasyon. Tinataya sa kursong ito na nagmumula ang produksiyong pampanitikan sa samot-saring teorya ng paglikha at pagtatalaban ng mga ito.

PNTKN 141

ANG PAGLIKHA NG FILIPINO II: PALIHAN AT PALAPAHAMAN

3 units

Nakatuon ang kurso sa pagpapamalay sa mag-aaral na nagsusulat ng mga akdang pampanitikan hindi lamang sa proseso ng pagsulat kundi sa halaga at pangangailangang linawin sa sarili ang kaniyang posisyonalidad at poetika bilang manunulat. Gamit panabay ang mga panayam sa iba-ibang teorya ng pagsulat at ang pedagohiya ng palihan o workshop ng mga akda ng mag-aaral, matamang gagabayan ng guro ang mag-aaral na linawin sa sarili ang kinakatigan at binubuong poetika para sa kaniyang pagsulat.

PNTKN 141.1

ANG PAGLIKHA NG FILIPINO II: TULA

3 units

Nakatuon ang kurso sa iba-ibang teorya, poetika, kilusan, at proseso sa pagsulat ng tula upang ipamalay sa mag-aaral ang halaga ng pagmamalay ukol sa sariling pagsulat. Gamit ang pedagohiya ng palihan o workshop na nagbibigay sa mag-aaral ng pagkakataong makipagpalitan ng puna, pinalalakas ng kurso ang awtoridad at responsibilidad ng mag-aaral bilang mambabasa at manunulat ng tula. Sa masusing paggabay ng guro, hinihikayat ang mag-aaral na bumuo at maglatag ng sariling poetika sa pagsulat ng tula.

PNTKN 141.2

ANG PAGLIKHA NG FILIPINO II: MAIKLING KUWENTO & NOBELA

3 units

Nakatuon ang kurso sa pagpapamalay sa mag-aaral na nagsusulat ng tuluyan – maikling kuwento at nobela – ng halaga hindi lamang ng proseso sa pagsulat at mga teorya sa prosa kundi ang pangangailangang linawin sa sarili ang posisyonalidad at sariling politika sa pagsulat. Maliban sa mga lektura ukol sa tuluyan o naratibo, magiging malaking bahagi ng proseso ang palihan ng mga sariling kuwento/nobela ng mag-aaral at ang matamang pagsubaybay ng guro sa binubuong poetika sa pagsulat ng mag-aaral.

PNTKN 141.3

ANG PAGLIKHA NG FILIPINO II: SANAYSAY

3 units

Nakatuon ang kurso sa pagpapamalay sa mag-aaral na piniling magsulat sa anyong sanaysay na maliban sa pagpapakadalubhasa sa pagsulat sa anyong ito ay may higit na pangangailangang linawin lagi ang sariling posisyonalidad at poetika sa kanyang mga isinusulat na sanaysay. Batay sa mga lektura at aralin ukol sa iba-ibang anyo at posibilidad ng anyong ito, magiging mahalagang lakip ng kurso ang mga regular na palihan ng mga sanaysay na isusumite sa klase. Layunin nito na sa proseso ay makabuo ang mag-aaral ng mga sariling pamantayan, sakop, poetika, at politika sa pagsusulat ng sanaysay.

PNTKN 141.4

ANG PAGLIKHA NG FILIPINO II: DULA

3 units

Nakatuon ang kurso sa pagpapamalay sa mag-aaral na nagpapakadalubhasa sa pagsulat ng dula sa halaga hindi lamang ng kaalaman sa anyo at iba-ibang tradisyon nito kundi sa pangangailangang linawin sa sarili ang poetikang susundan sa pagsulat ng kanyang mga dula. Batay sa pinagsanib na mga lektura at palihan ng mga akdang isusulat ng mga mag-aaral at masusing paggiya ng guro, nilalayan ng kurso na mailatag ng mag-aaral ang kanyang sariling poetika at estetika sa pagsulat ng dula.

PNTKN 141.5

ANG PAGLIKHA NG FILIPINO II: PANITIKANG PAMBATA



3 units

Nakatuon ang kurso sa mga pamamaraan ng paglikha ng iba't ibang anyo ng panitikang pambata na may tuon sa mataas na pagpapahalaga sa sining nito kaugnay ng pagsulat at paghahanda sa paglikha, rebisyon, at ebalwasyon. Kikilalanin sa kurso ang dibersidad ng *milieu* ng bata na may kaugnayan din sa kapangyarihan ng mga "pangmatandang institusyon" na sumasaklaw sa kaniya na lunsaran at pasilyo ng masalimuot o *complex* na artikulasyon sa kaniyang kamalayan at identidad bilang Filipino.

PNTKN 142

ANG PAGLIKHA NG FILIPINO III: MIDYA AT KONTEMPORANEONG KULTURA

3 units

Nakatuon ang kurso sa mga pamamaraan ng paglikha ng iba-ibang anyo ng media at kontemporaneong kultura na may tuon sa mataas na pagpapahalaga sa sining nito kaugnay ng pagsulat at paghahanda sa paglikha, rebisyon, at ebalwasyon. Kikilalanin sa mga ito ang mga lunsaran at pasilyo ng masalimuot o *complex* na artikulasyon ng kolektibong kamalayan at identidad ng mga Filipino nang may pagsasaalang-alang sa kanyang kalingan na may pag-iral sa isang global na perspektiba.

PNTKN 143

ARALING SIYUDAD

3 units

Nakatuon ang kurso sa pagtalakay ng espasyo, partikular na ang siyudad, ang kritikal na sensibilidad at kamalayang lumilikha ng buhay-panlipunan, at; bilang sensibilidad at kamalayan ang espasyo ay may kasaysayan at sumasakaysayan, nakikipagtunggali at sityo mismo ng tunggalian ng samutsaring puwersa ng indibidwalidad, kolektibong pamumuhay at modernong panahon.

PNTKN 144

ESTETIKANG FILIPINO

3 units

Nakatuon ang kurso sa pagsasaalang-alang ng isang pamantayan ng pagkilatis o pagsipat sa "kagandahan" na nagbubuhay sa isang danas na Filipino. Kaakibat ng pagpapangalan sa isang estetikang katutubo sa Pilipinas ang isang teorya ng masining na pagdanas na sisipatin sa wika, panitikan, at kalinangang-bayan. Dahil hahalawin sa bernakular na tradisyon ang nasabing estetika, mahalagang salik ng pag-aaral ang isang arkipelahikong paghahambing ng mga kilatis o sipat, na pinahalalagan ang natatanging konteksto ng mga hiraya at dalumat na pagbabatayan ng estetikang pambayan, upang sa pagtatapat ng nabanggit na estetikang Filipino sa global na mga pamantayan hinggil sa kagandahan, malinaw na maihahambing at maitatambis ang natatanging danas ng kasiningan na umuusbong mula sa bayan.

PNTKN 145

PANGANGASIWANG KULTURAL

3 units

Nakatuon ang kurso sa praktikal na pagpapakilala sa disiplina ng pangangasiwang kultural. Sa pagtatangkang ganap na maipakilala ang mag-aaral sa disiplina at gawaing ito, bibigyang-puwang ang karanasang mahahango sa mga *case study*, panayam, pakikibahagi, at dokumentasyong malilikha ng huli. Tutugunan ito sa pamamagitan ng pagpili ng bawat mag-aaral sa espesipikong institusyon o organisasyong lalahukan. Unang tutunguhin ang kritikal na pag-unawa sa mga pagpapakahulugan sa kultura. Kaakibat nito ang pagtalunton sa kasaysayan, mga usapin, at polisiyang may kinalaman dito. Ikalawa, babagtasin ang mga aspekto ng mismong pangangasiwa gamit ang mga *case study*. Samantala, tampok sa huli ang presentasyon ng dokumentasyon sa piling pangkulturang gawain.

PNTKN 147

MGA PAG-AANGKOP AT PAGSASALING FILIPINO

3 units

Nakatuon ang kurso sa kahulugan at halaga ng pag-angkop at pagsasalin sa kontekstong Filipino mula sa historikal na at sa usapin ng paggamit ng wika o anumang midyum na nagbibigay-daan sa pagkakaroon ng konsepto ng pag-angkop ng mga akda. Titingnan din ang konsepto ng orihinalidad na maiuugnay sa

napapanahong isyu ng *copyright laws*, *intellectual property rights*, at *piracy laws*. Kaugnay nito, magsasagawa ng sarbey at pagsusuri ng mga pagsasalang nagawa na sa larangang pampanitikan at teknikal na siyang magiging lunsaran sa pagtalakay ng mga naging metodo ng pagsasalin, mga naging sistema at suliranin ng pag-angkop. Sa ganitong konteksto kikilalanin ang halaga at ambag ng pag-angkop at pagsasalin sa mas malawak na perspektibo, gayundin naman ang pagkilala sa mga posibleng panganib na maaaring ibunga nito, gaya ng ilang isyung kultural na kaakibat nito.

PNTKN 149

MGA HYBRIDITY SA PILIPINAS

3 units

Nakatuon ang kurso sa pagsipat sa mga mga sityo ng *hybridity* na nagsasakatawan sa panitikan, mga likhang sining, kulturang popular, tradisyonal at bagong midya sa daloy ng kasaysayan ng bansa. Bilang isang postkolonyal na kaisipan, titingnan ang *hybridity* bilang udyok, produkto, mekanismo, labí, at tropo ng karanasang kolonyal at kosmopolitan ng bansa. Layon ng kurso na magkaroon ang mag-aaral ng pagtatáya hinggil sa kahulugan at papel ng *hybridity* sa pagbuo (o pagbuwag) ng identidad, kasaysayan, at bayan.

PNTKN 150

MAPANURING PAGSASAKATUTUBONG FILIPINO

3 units

Nakatuon ang kurso sa pagsipat sa mga sityo ng pagsasakatutubo na nagsasakatawan sa panitikan at kulturang popular sa daloy ng kasaysayan ng bansa. Bilang isang postkolonyal na kaisipan, titingnan ang mga sityo ng pagsasakatutubo bilang udyok, produkto, mekanismo, labí, at tropo ng karanasang kolonyal at kosmopolitan ng bansa. Dahil mapanuri, mahalagang batayang problematisasyon ng kurso ang mga nagtatagisang diskurso sa mga konseptong “katutubo”, “pagsasakatutubo”, at “pag-aangkin”. Layon ng kurso na magkaroon ang mag-aaral ng pagtáya hinggil sa kahulugan at papel ng pagsasakatutubo sa pagbuo (o pagbuwag) ng identidad, kasaysayan, at bayan.

PNTKN 151

PANITIKAN NG EKSPERIMENTASYON

3 units

Nakatuon ang kurso sa pag-aaral ng mga eksperimentasyon sa panitikang Filipino. Sinasaklaw nito ang poetika at politika ng pagkathang nakakapit sa paghahain ng nosyon ng bago at pag-usig sa tradisyon at kumbensiyon, samantalang isinasakonteksto sa mas malawak na lipunan at kasaysayan na naghahain ng mga alternatibong sipat sa paglikha at pagiging malikhain. Sisiyasatin ang mga konseptong, anyo, at nilalaman ng eksperimentasyon, gayundin ang mga metodo, praktis, at teknolohiyang batayan at lunsaran ng mga ito. Itatampok din ang mga katangian at suliraning pampanitikan na hinaharap ng mga platform na *multimedia*, mga asimilasyon at diseminasyong *online*, mga (kawalang-)bisa ng *social media*, *hyperrealidad*, at *postrealidad*, at mga hangganan at kapangyarihan ng wika sa paghahain ng mga pagbabago at pag-usig sa mga ito.

PNTKN 152

MGA DALUMAT NG WIKA SA PANITIKAN

3 units

Nakatuon ang kurso sa kognitibong kasaysayan ng Pilipinas o sa singkroniko at/o diakronikong pagkalinang ng mga kaisipang Filipino. Tumutukoy ang Filipino sa pampolitikang pagkakakilanlan o panlipunang pagkatao na inaangkupan ng bansag na ito pati na sa wikang ginagamit sa artikulasyon o pagsasadiskurso ng entidad na ito. Sa matalik na pagbabasá ng mga teksto sa liwanag ng mga teoryang kritikal ukol sa kasaysayan at pagsasakasaysayan ng mga kaisipang panlipunan at pangkultura, hahanguin, kikilalanin, at isasailalim sa interogasyon ang dalumat Filipino bilang subheto at/o obheto ng ebolusyonaryong proseso ng nasyonalismong Filipino.

PNTKN 153

PERFORMANCE THEORY

3 units

Nakatuon ang kurso sa pagmamapa ng pag-unlad ng umuusbong na mga larangan ng pag-aaral na kinikilalang performance studies at *performativity*, mula sa mga pagteteoryang Kanluranin hanggang sa mga tiyak na pag-aaral ng pagtatanghal (*performance*) at *performativity* sa bansa. Mula sa pagiging paksa ng pag-aaral, ihahatid ng kurso ang mga mag-aaral sa isang antas ng pagsusuri na kumakasangkapan sa mga prinsipyo ng pagtatanghal at *performativity* bilang instrumento ng pagsipat sa mga penomenong historikal, ekonomiko, sosyolohikal, politikal, kultural, at kosmolohikal ng bansa.

PNTKN 154

MGA PERFORMATIVITY SA PILIPINAS

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino. Kasangkapan ang mga tekstong pabigkas at pasulat, ritwalistiko at dramatiko, susubaybayan at kikilalanin ang iba-ibang anyo at moda ng *performativity* sa kasaysayan at lipunan. Haharapin sa kurso ang mga anyo ng pagtatanghal, ang pagka-natatanghal ng iba-ibang aspekto ng buhay-Filipino, at ang pagtatanghal bilang isang paraan ng pagsipat sa ating karanasan bilang bansa.

PNTKN 154.1

MGA PERFORMATIVITY SA PILIPINAS: PISTA AT SELEBRASYON

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino na nagbibigay-diin sa mga relihiyoso at sekular na pista at selebrasyon. Kasangkapan ang mga tekstong pabigkas at pasulat, ritwalistiko at dramatiko, susubaybayan at kikilalanin ang iba-ibang anyo at moda ng mga pista at selebrasyon bilang mga *performativity* sa kasaysayan at lipunan. Haharapin sa kurso ang mga anyo ng pagdiriwang, ang pagkanatatanghal ng iba pang aspekto ng mga pagdiriwang na ito, at ang pagtatanghal ng mga ito bilang isang paraan ng pagsipat sa ating karanasan bilang bansa.

PNTKN 154.2

MGA PERFORMATIVITY SA PILIPINAS: LARO AT TRABAHO

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino na nagbibigay-diin sa mga tradisyonal at makabagong laro at trabaho. Kasangkapan ang mga tekstong pabigkas at pasulat, ritwalistiko at dramatiko, susubaybayan at kikilalanin ang iba-ibang anyo at moda ng mga paglalaro, pakikipaglaro, at pagtatrabaho bilang mga *performativity* sa kasaysayan at lipunan. Haharapin sa kurso ang mga anyo ng laro at trabaho bilang gawain ng produksiyon, ang pagka-natatanghal ng iba pang aspekto ng mga gawaing ito, at ang pagtatanghal ng mga ito bilang isang paraan ng pagsipat sa ating karanasan bilang bansa.

PNTKN 154.3

MGA PERFORMATIVITY SA PILIPINAS: PAMILYA, KASARIAN, URI, KOMUNIDAD, BAYAN

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino na nagbibigay-diin sa mga kontemporaneong usapin ng mga kategoryang sosyolohikal ng pamilya, kasarian, uri, komunidad, at bayan. Kasangkapan ang mga tekstong pabigkas at pasulat, ritwalistiko at dramatiko, susubaybayan at kikilalanin ang iba-ibang anyo at moda ng mga kategorya at pagsasakategorya bilang mga *performativity* sa kasaysayan at lipunan. Haharapin sa kurso ang mga anyo, dinamismo at layon ng kategorisasyon, ang pagka-natatanghal ng iba pang aspekto ng mga kategoryang ito, at ang pagtatanghal ng mga ito bilang isang paraan ng pagsipat sa ating karanasan bilang bansa.

PNTKN 154.4

MGA PERFORMATIVITY SA PILIPINAS: PAG-ALALA, PAGLIMOT AT PAGTANDA

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino na nagbibigay-diin sa paghubog at paglusaw ng alaala. Kasangkapan ang mga tekstong

pabigkas at pasulat, ritwalistiko at dramatiko, susubaybayan at kikilalanin ang mga hakbang ng paglikha, pagtitipon, at pag-access ng alaala na naisasagawa sa/ng mga pagtatanghal na ito. Gayundin, tutukuyin ang mga pagkakataon at puwersa na naghahatid ng paglimot – pagbura, pagdadagdag o pagbabawas – ng alaala, sa/ng mga pagtatanghal. Sa gayong mga pagsubaybay sa dinamismo ng pag-alaala at paglimot, ang kurso ay humaharap sa pagkilala ng kakayahan ng pagtatanghal na maghatid ng pagtanda.

PNTKN 154.5

MGA PERFORMATIVITY SA PILIPINAS: PAGKATAO, KAHAYUPAN AT MEKANISASYON

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino na nagbibigay-diin sa depiksiyon, papel, at bisa ng nilalang na may katawan o pisikal na pag-iral. Kasangkapan ang mga tekstong pabigkas at pasulat, ritwalistiko at dramatiko, kikilalanin at susuriin ang mga katangian na nagbibigay-anyo sa pagiging tao, hayop at makina ng mga nilalang sa/ng mga pagtatanghal na ito, habang tinutukoy ang mga guwang at lagusan na binubuksan ng mga pagtatanghal upang pagtagpuin at pagbuklurin ang mga ito. Haharapin sa kurso ang mga nananatili at nagbabagong pagturing sa tao/hayop/makina na itinatanghal sa/ng karanasang Filipino.

PNTKN 154.6

MGA PERFORMATIVITY SA PILIPINAS: PUSONG AT PAMUMUSONG SA MGA PAGTATANGHAL

3 units

Nakatuon ang kurso sa pagtukoy, pagbasa, at pagsusuri ng mga tekstong itinatanghal o ipinapalabas sa at ng karanasang Filipino na nagbibigay-diin sa pagkakasangkapan sa imahen ng pusong. Kasangkapan ang mga tekstong pabigkas at pasulat, ritwalistiko at dramatiko, tataluntunin ang paglikha at pagkilala sa arektipo ng pusong, hindi lamang bilang tagapaghatid ng disrupsyon sa kaayusan, kundi tagapaglatag din ng panibago. Sa kursong ito, haharapin ang mga gawi at kilos ng mga tauhan upang mabigyang pagkilala at katuturan ang pusong sa kontemporaneong mga pagtatanghal. Gayundin, sisipatin ang mapaglarong pagsasagawa ng mga tiyak na pagtatanghal na naghahatid ng pagpapatuloy at/o pagkabulabog sa pag-iral ng pusong.

PNTKN 155

PANITIKANG FILIPINO AT ANG DAIGDIG

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Asya, Aprika, Latina Amerika, at Europa. Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansang isinasangkot sa pag-aaral. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawag tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.1

PANITIKANG FILIPINO AT ANG DAIGDIG: TIMOG SILANGANG ASYA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Timog Silangang Asya. Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansa sa Timog Silangang Asya. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawag tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.2

PANITIKANG FILIPINO AT ANG DAIGDIG: SILANGANG ASYA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Silangang Asya. Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansa sa Silangang Asya. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawag tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.3

PANITIKANG FILIPINO AT ANG DAIGDIG: TIMOG ASYA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Timog Asya. Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansa sa Timog Asya. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawang tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.4

PANITIKANG FILIPINO AT ANG DAIGDIG: GITNANG SILANGAN

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Kanlurang Asya (Gitnang Silangan). Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansa sa Kanlurang Asya. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawang tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.5

PANITIKANG FILIPINO AT ANG DAIGDIG: APRIKA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Aprika. Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansa sa Aprika. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawang tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.6

PANITIKANG FILIPINO AT ANG DAIGDIG: LATINA AMERIKA

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang isinaling tekstong pampanitikan mula sa Latina Amerika. Isinasakonteksto ang mga panitikan sa kasaysayan, lipunan, at kultura ng mga bansa sa Latina Amerika. Sasaklawin ng mga kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, diskurso, at konteksto ng mga kinatawang tekstong pampanitikan na naisalin sa Filipino at Ingles. Sisiyasatin sa pagdulog sa mga akda ang halaga at bisa nito sa karanasan at kamalayang Filipino.

PNTKN 155.7

PANITIKANG FILIPINO AT ANG DAIGDIG: EUROPA

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Europa, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156

ARALING KULTURAL AT ANG DAIGDIG

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Asya, Aprika, Latina Amerika, at Europa, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang

dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156.1

ARALING KULTURAL AT ANG DAIGDIG: TIMOG SILANGANG ASYA

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Timog Silangang Asya, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156.2

ARALING KULTURAL AT ANG DAIGDIG: SILANGANG ASYA

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Silangang Asya, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156.3

ARALING KULTURAL AT ANG DAIGDIG: TIMOG ASYA

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Timog Asya, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156.4

ARALING KULTURAL AT ANG DAIGDIG: GITNANG SILANGAN

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Kanlurang Asya (Gitnang Silangan), sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156.5

ARALING KULTURAL AT ANG DAIGDIG: APRIKA

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Aprika, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigang.

PNTKN 156.6

ARALING KULTURAL AT ANG DAIGDIG: LATINA AMERIKA

3 units

Nakatuon ang kurso sa komparatibong pag-aaral ng iba't ibang tekstong kultural mula sa Latina Amerika, sa pamamagitan ng paghahambing sa mga ito sa mga tekstong kultural mula sa Pilipinas. Iuugat ang mga teksto sa kasaysayan, lipunan, at kultura ng mga bansang kabilang sa pag-aaral, nang may kritikal ding pagtalunton sa mga pandaigdigang kontekstong nag-uugnay sa mga ito. Sasaklawin ng kurso ang dinamikong ugnayan ng mga anyo, tema, ideolohiya, at diskurso ng mga kinatawang teksto, upang makabuo ng pagdulog hinggil sa pagkasangkot ng karanasan at kamalayang Filipino sa sistemang pandaigdigan.

PNTKN 157

KULTURANG POPULAR

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa “popular” sa kulturang popular. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa pagtatasa sa mga anyo nito, tagatangkilik, at mga pasimuno.

PNTKN 157.1

KULTURANG POPULAR: MGA ANYO

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa “popular” sa kulturang popular. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa pagtatasa sa mga anyo nito.

PNTKN 157.2

KULTURANG POPULAR: MGA TAGAPAGTANGKILIK

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa “popular” sa kulturang popular. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula Kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa pagtatasa sa mga tagatangkilik nito.

PNTKN 157.3

KULTURANG POPULAR: MGA PASIMUNO

3 units

Nakatuon ang kurso sa pag-aaral ng iba't ibang anyo ng kulturang popular sa Pilipinas at pagsusuri at/o pagtalunton sa “popular” sa kulturang popular. Itinatampok din sa kursong ito ang mga pag-aaral sa kulturang popular mula Kanluran hanggang sa sariling dalumat sa Pilipinas. Isang paggalugad ang kursong ito sa mga araling pangkultura na nagtataya sa katuturan ng pagiging popular, partikular na sa pagtatasa sa mga pasimuno nito.

PNTKN 158

KULTURANG POPULAR NG TIMOG SILANGANG ASYA

3 units

Nakatuon ang kurso sa masusing pag-unawa sa pag-unlad ng teknolohiyang pangmidya sa Pilipinas at pagsusuri sa lawak ng impluwensiya nito sa pagbabagong-hubog ng mga politikal, ekonomiko, sosyo-kultural na puwersa sa lipunan. Susuriin ang mga implikasyon ng pagsulpot ng midya at kung paano ito nakapaghuhulma ng kamalayan, panlasa, at politika ng mga tagalikha at tagatangkilik ng mga ito.

PNTKN 159

## MIDYANG FILIPINO

3 units

Nakatuon ang kurso sa masusing pag-unawa sa pag-unlad ng teknolohiya ng mga bagong midya sa Pilipinas. Susuriin sa kurso ang lawak ng impluwensiya ng mga bagong midya sa pagbabagong-hubog ng mga politikal, ekonomiko, at sosyo-kultural na puwersa sa lipunan. Sisiyasatin din ang mga implikasyon ng pagsulpot ng mga bagong midya at kung paano ito nakapaghuhulma ng kamalayan, panlasa, at politika ng mga tagalikha at tagatangkilik ng mga ito.

PNTKN 159.1

### MIDYANG FILIPINO: IMPRENTA

3 units

Nakatuon ang kurso sa masusing pag-unawa sa pag-unlad ng teknolohiya ng paglilimbag sa Pilipinas at pagsusuri sa lawak ng impluwensiya nito sa pagbabagong-hubog ng mga politikal, ekonomiko, sosyo-kultural na puwersa sa lipunan. Bibigyang-diin ang pagsusuri sa mga naging epekto ng pagbabago ng teknolohiya ng imprenta, mula sa kalikasan ng mga aklat na unang nalimbag sa Pilipinas hanggang sa pangkalahatang epekto ng imprenta sa iskolarsyip at pananaliksik, panlipunang kaasalan, katutubong wika, at sa kalaunan, paggamit ng *digital media*.

PNTKN 159.2

### MIDYANG FILIPINO: RADYO

3 units

Nakatuon ang kurso sa masusing pag-unawa sa pag-unlad ng teknolohiya ng radyo sa Pilipinas nang may mahigpit na pagsasaalang-alang sa pagiging pangunahing midyum ng pangmadlang komunikasyon nito at bilang tagapagpalaganap ng wika at kultura. Masusing tataluntunin ang mga pana-panahong malaking pagbabago sa kalakaran ng pagsasahimpapawid upang matukoy ang mga panlipunan at pampolitikang sanhi at bunga ng mga ito. Bibigyang-diin na bilang isang midyum ng pangmadlang komunikasyon, nalilintang kung paanong nakalilintang ang radyo sa kamalayang Filipino.

PNTKN 159.3

### MIDYANG FILIPINO: TELEBISYON

3 units

Nakatuon ang kurso sa masusing pag-unawa sa pag-unlad ng teknolohiya ng telebisyon sa Pilipinas, at pagsusuri sa mga programang pantelebisyon bilang produkto, lunsaran at tagapagpatibay ng mga puwersang panlipunan at masining na pagtatangka. Bibigyang-diin sa kurso ang proseso ng pagkakaroon ng bisa ng telebisyon sa paghubog ng kamalayan, identidad, at ng mga proyektong pangkultura at pampolitika. Susuriin ang iba't ibang produksiyong pantelebisyon sa Pilipinas upang makita kung paano nito naisasakatuparan o hindi naisasakatuparan ang mga layuning itinakda para sa mga ito.

PNTKN 159.4

### MIDYANG FILIPINO: PELIKULA

3 units

Nakatuon ang kurso sa masusing pag-unawa sa artikulasyon ng pagkamamamayan at pagkabansa sa produksiyong kultural ng teknolohiya ng sine. Bibigyang-diin ang kapasidad ng teknolohiya ng sine na pamagitan ang kasaysayan, kultura, at lipunan ng mga mamamayang nagbibigay-saysay at binibigyang-saysay ng sine. Sa pamamagitan ng pagsusuri sa mga pagpapakahulugang likha ng salimbayan ng imahe, daloy, ilaw, tunog, katawan, lunan, at kapital ng palabas, pahahalagahan sa kurso ang dinamikong ugnayan ng anyo, diskurso, at produksiyon ng teknolohiya ng sine bilang sining, anyong popular, at kulturang publiko.

PNTKN 159.5

### MIDYANG FILIPINO: HYPERMEDIA

3 units

Nakatuon ang kurso sa masusing pag-unawa sa pag-unlad ng teknolohiya ng mga bagong midya sa Pilipinas. Susuriin sa kurso ang lawak ng impluwensiya ng mga bagong midya sa pagbabagong-hubog ng mga politikal, ekonomiko, at sosyo-kultural na puwersa sa lipunan. Sisiyasatin din ang mga implikasyon ng pagsulpot ng



mga bagong midya at kung paano ito nakapaghuulma ng kamalayan, panlasa, at politika ng mga tagalikha at tagatangkilik ng mga ito.

PNTKN 160

MGA PERSPEKTIBANG FILIPINO SA MGA USAPIN NG GLOBALISASYON AT LOKALISASYON

3 units

Nakatuon ang kurso sa pag-aaral ng magkatuwang na proseso ng globalisasyon at lokalisasyon nang may diin sa karanasan at kamalayang Filipino. Bibigyang-pansin ng kurso ang mga perspektiba at salik na naging instrumental sa pagbuo ng kabihasan at pamumuhay ng Filipino sa kasalukuyan na kadalasang hindi nabibigyang-puwang sa mga dominanteng naratibo ng kolonisasyon, migrasyon at modernisasyon.

PNTKN 163

MGA LUNAN AT ARTSIBO NG PANITIKAN

3 units

Nakatuon ang kurso sa iba't ibang lunan at artsibo ng panitikang Filipino at ang implikasyon nito sa pag-unawa at pananaliksik sa panitikang Filipino. Tatalakayin at susuriin sa kursong ito ang iba't ibang lunan at artsibo tulad ng mga diksyonaryo't sinaunang manuskrito, *folklore* at panitikang oral, at mga artsibong digital. Titimbangin ang halaga't limitasyon ng pangangalap at pagpreserba ng mga akdang pampanitikan. Susuriin ang kasaysayan at politika ng iba't ibang uri ng lunan at artsibo upang maging gabay sa pananaliksik sa panitikan ng Pilipinas.

PNTKN 164

MGA DOKUMENTO AT IBANG TALAAN SA PILIPINAS

3 units

Nakatuon ang kurso sa pagsasaliksik at pagsusuri ng mga materyal na dokumentasyon ng pamanang kultural sa perspektibang archival mula Laguna Copperplate at Angono Petroglyphs hangang mga batas, plano, tesis/disertasyon, libro, sulat, transkripsiyon ng mga panayam at mga oral documents at iba pang nahahawakang dokumento na nagtataguyod at humuhulma sa indibidwal, kolektibo, at/o pambansang identidad. Hinihikayat nito ang mga mag-aaral na maging kritikal sa pagsisiyasat sa masaklaw at masalimuot na ugnayan ng dokumentasyon at pamanang kultural gamit ang lente ng iba't ibang magkakaugnay na larang. Binibigyan nito ng oportunidad ang mga mag-aaral na higit na maging babad sa pagsisiyasat ng artsibo tungo sa pagbuo ng tiyak na proyektong saliksik.

PNTKN 165

PANITIKAN AT INTERDISIPLINARIDAD

3 units

Nakatuon ang kurso sa interdisiplinaryong pag-aaral sa panitikan. Tatahakin ng kursong ito ang pagsusuri kung papaanong binibigyan ng kamalayang pampanitikan ang iba't ibang disiplina o bise bersa. Gagamitin ang dulog na intradisyiplinaryo, interdisiplinaryo, transdisyiplinaryo, krosdisyiplinaryo at multidisyiplinaryo sa pagsusuri ng panitikan kaugnay sa iba pangdisiplina gaya ng: agham, antropolohiya, sosyolohiya, sining, ekonomiya, batas, relihiyon at iba pa.

PNTKN 165.1

PANITIKAN AT INTERDISIPLINARIDAD: ANTROPOLOHIYA NG PANITIKAN

3 units

Nakatuon ang kurso sa pag-aaral sa pagsibol ng mga panitikan sa Pilipinas bilang produkto ng kamalayang kultural at karanasan sa kasaysayan. Ilulugar ng kursong ito ang pagdalumat ng pamamayagpag ng mga tekstong kultural sa mga tiyak na espasyo ng tunggalian ng mga pwersang likas at di-likas.

PNTKN 165.2

PANITIKAN AT INTERDISIPLINARIDAD: SOSYOLOHIYA NG PANITIKAN

3 units

Nakatuon ang kurso sa pag-aaral ng panitikan bilang produksiyong panlipunan. Partikular na tutunguhin sa kurso ang pagsusuri sa relasyon ng produksiyon ng panitikan at resepsiyon sa mga ito, ang papel ng panitikan sa pagbuo ng kolektibong identidad, ang pagbabasa bilang praktis, at ang organisasyon, produksiyon, distribusyon, at pagkonsumo dito bilang sining.

PNTKN 165.3

PANITIKAN AT INTERDISIPLINARIDAD: PANITIKAN AT RELIHIYON

3 units

Nakatuon ang kurso sa pagsusuri ng mga akdang pampanitikan na tumatalakay sa pananampalataya at karanasang relihiyoso sa konteksto ng kasaysayan at karanasang Pilipino. Bibigyang-diin sa pagsusuri kung paanong sa pamamagitan ng mga kumbensiyon at elementong pampanitikan, nabibigyang-kahulugan at naitatanghal ang mga usapin, aspekto at diskursong bumubuo sa iba't ibang kamalayan at karanasang relihiyoso. Sisiyasatin din ang mga natatanging dalumat hinggil sa pananampalataya at relihiyon na inilalahad ng mga akdang pampanitikan.

PNTKN 165.4

PANITIKAN AT INTERDISIPLINARIDAD: PANITIKAN AT AGHAM

3 units

Nakatuon ang kurso sa pagsusuri ng mga akdang pampanitikan na tumatalakay sa mga prinsipyo, *phenomenon*, at usaping siyentipiko. Bibigyang-diin sa pagsusuri ang mga estratehiya at elementong pampanitikan na nagbibigay-kahulugan at nagtatanghal sa mga usapin, aspekto at diskursong bumubuo sa kamalayan at karanasang siyentipiko. Gamit ang mga babasahing siyentipiko, tatalakayin din ang bisa sa panitikan ng mga prinsipyong nagmumula sa mga sangay ng agham tulad ng pisika, kimika, biyolohiya, agham pangkalikasan, agham pang-kompyuter, at iba pa. Sisiyasatin din ang mga natatanging dalumat hinggil sa mga prinsipyo, kamalayan at karanasang siyentipiko na inilalahad ng mga akdang pampanitikan.

PNTKN 165.5

PANITIKAN AT INTERDISIPLINARIDAD: PANITIKAN AT SINING

3 units

Nakatuon ang kurso sa pakikipagtalaban at pakikipagtagpo ng panitikan sa iba pang mga anyong pansining, tulad ng sining biswal, musika, pagtatanghal, at iba pa. Sisiyasatin kung paano hinuhubog ng mga diyalogo sa pagitan ng panitikan at mga sining ang iba't ibang mga kaisipan, kumbensiyon, pamantayang estetiko, at kilusang umusbong sa iba't ibang anyong pansining, nang may pag-alala sa udyok ng iba't ibang salik panlipunan, pangkultura, at pangkasaysayan. Pag-aaralan din ang mga tekstong naging bunga ng kolaborasyon ng panitikan at iba pang mga anyong pansining.

PNTKN 165.6

PANITIKAN AT INTERDISIPLINARIDAD: MGA EKONOMIYANG FILIPINO

3 units

Nakatuon ang kurso sa pakikipagtalaban ng panitikan sa larang ng ekonomiya. Sa pamamagitan ng mga umiiral na mga batas pang-ekonomiya at paglikha, espesyalisasyon, at pagpataw ng halaga sa mga produkto at serbisyo sa ilalim ng mga angkop na polisiya, susuriin ang implikasyon ng mga ito sa pagpapasok at pagluluwas ng mga sangkap at serbisyong may kinalaman sa tekstong kultural.

PNTKN 166

KONSUMERISMO SA PANITIKAN AT KULTURA

3 units

Nakatuon ang kurso sa pagsusuri ng mga teorya ng konsumerismo mula siglo 19 at kung paano nito naapektuhan ang paraan ng pagsusuri sa panitikan at iba pang tekstong pangkultura nang may diin sa Panitikang Filipino. Tututukan sa kurso ang mga usapin ng popular, lalo na sa malawakang dibisyon ng kulturang indibidwal at kolektibo upang mabigyang-daan ang isang kritikal na kasaysayan ng produksiyon, sirkulasyon at pagkonsumo, at ang ugnayan ng mga prosesong ito sa mga usaping katulad ng subhetibidad, paggawa, seksuwalidad, uri, etnisidad, kolonyalismo, globalisasyon, teknolohiya, at iba pa.

PNTKN 192

PAMPANITIKANG PANANALIKSIK

3 units

Prerequisite: PNTKN 111

Nakatuon ang kurso sa Panitikang Filipino bilang disiplina na may sariling mga pamaraan ng pag-iisip at pagdama sa daigdig. Tunguhin ng kurso ang malawak at malalim na pagtalunton ng mga posibilidad ng saliksik mula sa bernakular na pagmamalay na umuugat sa kalinangang-bayan, habang nakikipagdiyalogo sa mga kanluraning balangkas ng pagtuklas at paggalugad sa artsibo ng global at sa mga nakagawiang disiplina sa humanidades at agham panlipunan. Bilang isa sa mga pangunahing kurso sa panitikan ng programa, hangarin din ng kurso na mailahad ang mga kontemporaneong suliranin ng disiplina ng panitikan mula sa mga metodong nagmamapa ng kaniyang larang.

# FINE ARTS

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Rooted in relevant traditions (Jesuit, Filipino, and Atenean), the Fine Arts Department is the Loyola Schools' hub for the academic study of practices in the fields of art, creative writing, design, and theater. The department's graduates are technically proficient in the crafts involved in their artistic disciplines, literate and articulate in the theories and history of their artistic disciplines, and aware and critically responsive to the relevant contexts that affect their practices.

The Fine Arts Department is committed to a contextualized program of study that is aware of the local, regional, and global forces that affect practices in the arts. It ensures that students develop the willingness to interrogate their field, their greater world, and their own selves, while also developing the willingness and ability to respond through creation and creative acts.

The Department believes that if the creative act is responsive then it is one strengthened by the rigor of research. It believes that a practice steeped in knowledge cannot help but lead to the impulse to create and perform. It views outreach and formation as not external to one's field of study, but as part of it through service learning and discipline-based formation. This is all part of the belief in forming students who are not only aware but also engaged.

## BACHELOR OF ARTS IN ART MANAGEMENT

The AB Art Management program equips students with skills and training towards engaging in fields such as curatorship and exhibition design; art writing, research, and documentation; and the marketing and promotion of the arts. Content delivered within the classroom is balanced with exposure to professional standards in the art practice and industry. Through the program's linkage with the Ateneo Art Gallery and other significant local and international artistic and cultural institutions, students are provided with opportunities for involvement and immersion in the professional art, cultural, and creative industries.

### *Program Learning Outcomes*

Using the skills and experience from the program, the ideal AB AM graduate should be able to:

1. Creatively perform his/her role as an art manager so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as art manager towards empathy among/with communities of differing beliefs, creeds, and spiritualities.

<b>FIRST YEAR</b>				
<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENLIT 12	Literature: Global Voices and Encounters	3 ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3 FILI 12	Panitikan ng Pilipinas	3
ArtAp 10	Art Appreciation	3 ARTS 110	Introduction to Studio Arts	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3 MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3 SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1 THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3 INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0) PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL	18(2)
	TOTAL	19(2)		

<b>SECOND YEAR</b>				
<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ARTM 101.03	Art History: Classical Antiquity to 19th Century	3 ARTM 101.04	Art History: Asian Art	3
ARTM 102.03	Philippine Art: Survey of Philippine Visual Arts 1	3 ARTM 103.06	Art Management: The Art World: Sites, Spaces, and Institutions	3
ARTM 103.03	Art Management: Collections Management	3 ARTS 102	Research and the Arts	3
ARTS 120	Digital Design Studio	3 HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3 PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3 STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3) PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL	18(2)
	TOTAL	18(5)		

### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ARTM 101.05	Art History: 20th Century to Global Contemporary Art	3	ARTM 103.04	Art Management: Introduction to Curatorship	3
ARTM 102.04	Philippine Art: Survey of Philippine Visual Arts 2	3	ARTM 103.07	Art Management: Genres of Art Writing	3
ARTS 103	Art and the Community	3	ARTM 103.08	Art Management: Art and Business	3
PHILO 13	Ethics	3	ARTS ELECTIVE 1	Arts Elective 1	3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 2	Interdisciplinary Elective 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
TOTAL		18(3)	TOTAL		21(0)

### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ARTS 197	Internship and Professional Exposure	3
TOTAL		3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ARTM 103.05	Art Management: Issues in Curatorial Practice	3	ARTM 103.09	Art Management: Public Programming for Culture and the Arts	3
ARTM 199.1	Art Management Thesis: Senior Project 1	3	ARTM 199.2	Art Management Thesis: Senior Project 2	3
ARTS ELECTIVE 2	Arts Elective 2	3	ARTS 104	The Creative Professional	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
TOTAL		15(0)	TOTAL		15(0)

Total Number of Academic Units: 145(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF FINE ARTS IN CREATIVE WRITING

The BFA Creative Writing program introduces students to the various writing genres (fiction, nonfiction, poetry, drama) and allows them to specialize in the genre of their choice. The program follows a two-pronged process: apprenticeship, where students learn from experienced writers; and the workshop, where they learn from their peers. By putting these methods alongside the academic study of literary and critical texts, the creative process, and the pertinent contexts that influence literary production, the program aims to produce writers who are competent in the craft of their chosen genre specialty while remaining aware of literature's place and influence in one's life and one's society.

### *Program Learning Outcomes*

Using the skills and experiences from the program, the ideal BFA CW graduate should be able to:

1. Creatively perform his/her role as creative writer, so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as creative writer towards empathy among/within communities of differing beliefs, creeds, and spiritualities.

		<b>FIRST YEAR</b>		
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>	<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11 Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12 Panitikan ng Pilipinas	3
ArtAp 10	Art Appreciation	3	CRWR 101.03 Writing Fiction: Workshop 1	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10 Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11 Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11 Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12 Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2 Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL	18(2)
	TOTAL	19(2)		

		<b>SECOND YEAR</b>		
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>	<b><u>Units</u></b>
CRWR 100	Philippine Literature and Its Practice	3	CRWR 10X.04 Fiction/Nonfiction/Poetry Writing/Playwriting Workshop 2	3
CRWR 102.03	Writing Nonfiction: Workshop 1	3	CRWR 110 Development of Genre Practices	3
CRWR 103.03	Writing Poetry: Workshop 1	3	ARTS 102 Research and the Arts	3
CRWR 104.03	Playwriting: Workshop 1	3	HISTO 12 Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11 Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10 Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4 Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL	18(2)
	TOTAL	18(5)		

		<b>THIRD YEAR</b>		
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>	<b><u>Units</u></b>
CRWR 10X.05	Fiction/Nonfiction/Poetry Writing/Playwriting Workshop 3	3	CRWR 120 Publishing	3
CRWR ELECTIVE 1	Creative Writing Elective 1	3	CRWR 170 Poetics	3
ARTS 103	Art and the Community	3	ARTS ELECTIVE 1 Arts Elective 1	3
PHILO 13	Ethics	3	PHILO 12 Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13 A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1 Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL	18(0)
	TOTAL	18(3)		

<b>FOURTH YEAR</b>					
<u>Interession</u>		<u>Units</u>			
ARTS 197	Internship and Professional Exposure	3			
TOTAL		3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CRWR 199.1	Creative Writing Thesis: Senior Project 1	3	CRWR 199.2	Creative Writing Thesis: Senior Project 2	3
CRWR ELECTIVE 2	Creative Writing Elective 2	3	CRWR ELECTIVE 3	Creative Writing Elective 3	3
ARTS ELECTIVE 2	Arts Elective 2	3	ARTS 104	The Creative Professional	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
TOTAL		15(0)	TOTAL		15(0)

Total Number of Academic Units: 142(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF FINE ARTS IN INFORMATION DESIGN

The BFA Information Design program roots its relevance in problem solving through engaging presentation of critical information, and striking visual communication. Students are challenged to apply learned foundational design skills and theory, in step with key graphic procedures and techniques across a variety of contexts that range from domain mastery, industry development, to social change. The program provides students opportunities to explore and evolve their artistic talents, craft, and voice in preparation for their careers as well as their personal growth.

### *Program Learning Outcomes*

Using the skills and experiences from the program, the ideal BFA ID graduate should be able to:

1. Creatively perform his/her role as an information designer, so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as information designer towards empathy among/within communities of differing beliefs, creeds, and spiritualities.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
ArtAp 10	Art Appreciation	3	ARTS 110	Introduction to Studio Arts	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3



FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

#### SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDES 101.03	Design Theory and History: Information Architecture	3	IDES 101.04	Design Theory and History: Visual Communication	3
IDES 101.05	Design Theory and History: History of Graphic Design	3	IDES 102.03	Design Procedures: Typography	3
IDES 101.06	Design Theory and History: Philippine Design	3	ARTS 102	Research and the Arts	3
ARTS 120	Digital Design Studio	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		TOTAL	18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>Intersession</u>		<u>Units</u>			
IDES 102.04	Design Procedures: Print and Publication Design	3			
IDES ELECTIVE 1	Information Design Elective 1	3			
	TOTAL	6(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDES 103.03	Design Practice: Graphic Design Practice	3	IDES 102.05	Design Procedures: Web Design	3
IDES ELECTIVE 2	Information Design Elective 2	3	IDES 192	Design Research	3
ARTS 103	Art and the Community	3	ARTS ELECTIVE 1	Arts Elective 1	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	18(0)
	TOTAL	18(3)			

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ARTS 197	Internship and Professional Exposure	3			
	TOTAL	3(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDES 199.1	Information Design Thesis: Senior Project 1	3	IDES 199.2	Information Design Thesis: Senior Project 2	3
IDES ELECTIVE 3	Information Design Elective 3	3	IDES ELECTIVE 5	Information Design Elective 5	3
IDES ELECTIVE 4	Information Design Elective 4	3	ARTS 104	The Creative Professional	3
ARTS ELECTIVE 2	Arts Elective 2	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3

FREE ELECTIVE	Free Elective	3	TOTAL	15(0)
	TOTAL	18(0)		

Total Number of Academic Units: 151(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF FINE ARTS IN THEATER ARTS

The BFA Theater Arts program is seen as a way to increase the number of trained men and women in theater practices, and to provide a venue for the development of theater artists who intend to apply their knowledge of the theater craft for further studies and/or for work in professional theater, film, radio, or television, or in other fields where its processes and skills are valued.

### *Program Learning Outcomes*

Using the skills and experiences from the program, the ideal BFA TA graduate should be able to:

1. Creatively perform his/her role as a theater artist so that he/she is not only proficient at tasks but also able to proactively respond to issues as well as further existing practices towards new ground.
2. Critically engage relevant social realities through, in, and with the arts.
3. Use his/her role as theater artist towards empathy among/within communities of differing beliefs, creeds, and spiritualities.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
THTR 101	Introduction to Theater	3	THTR 110.03	Theatrical Performance: Voice, Movement, and Mime	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	SocSc 11	Understanding the Self	3
NatSc 10.02	Natural Science, Laboratory	1	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
	TOTAL	19(2)			

		SECOND YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
THTR 110.04	Theatrical Performance: Acting 1	3	THTR 130.03	Theater Design: Set Design	3
THTR 150.03	Theater Genres: Musical Theater	3	THTR 140.03	Theater Technology: Technical Theater	3
THTR 160.03	Theater History and Dramatic Literature: Survey of Theater History and Dramatic Literature	3	ARTS 102	Research and the Arts	3
ArtAp 10	Art Appreciation	3	HISTO 12	Readings in Philippine History	3
STS 10	Science, Technology, and Society	3	PHILO 11	Philosophy: The Human Condition	3

THEO 12	Theology of the Catholic Social Vision	3	SocSc 12	The Contemporary World	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		TOTAL	18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
THTR 120.03	Theater Directing: Directing 1	3	THTR 145.03	Theater Management: Stage Management	3
THTR 130.04	Theater Design: Costume Design	3	THTR 160.04	Theater History and Dramatic Literature: Philippine Drama	3
ARTS 103	Art and the Community	3	THTR ELECTIVE 1	Theater Arts Elective 1	3
PHILO 13	Ethics	3	ARTS ELECTIVE 1	Arts Elective 1	3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 2	Interdisciplinary Elective 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)		TOTAL	21(0)

#### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ARTS 197	Internship and Professional Exposure	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
THTR 170	Theater Production	3	THTR 199.2	Theater Arts Thesis: Senior Project 2	3
THTR 180	Theater Theory	3	THTR ELECTIVE 2	Theater Arts Elective 2	3
THTR 199.1	Theater Arts Thesis: Senior Project 1	3	ARTS 104	The Creative Professional	3
ARTS ELECTIVE 2	Arts Elective 2	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3		TOTAL	15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 148(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR IN CREATIVE WRITING

The Minor in Creative Writing Program aims to give Loyola Schools undergraduate students who are not majors in the BFA Creative Writing program the opportunity to refine their writing skills while remaining in their regular degree programs.

#### *Eligibility Requirement*

The program is open to all Loyola Schools undergraduate students except BFA CW majors.

#### *Program Curriculum*

Choose one:

- CRWR 101.03 Writing Fiction: Workshop 1
- CRWR 102.03 Writing Nonfiction: Workshop 1
- CRWR 103.03 Writing Poetry: Workshop 1
- CRWR 104.03 Playwriting: Workshop 1

Choose one:

- CRWR 101.03 Writing Fiction: Workshop 1
- CRWR 102.03 Writing Nonfiction: Workshop 1
- CRWR 103.03 Writing Poetry: Workshop 1
- CRWR 104.03 Playwriting: Workshop 1

Choose one in the genre for which a “Workshop 1” was taken:

- CRWR 110.03 Genre Practices: Development of Fiction and Its Practice
- CRWR 110.04 Genre Practices: Development of Literary Nonfiction and Its Practice
- CRWR 110.05 Genre Practices: Development of Poetry and Its Practice
- CRWR 110.06 Genre Practices: Development of Playwriting and Its Practice

Choose one in the genre for which the “Genre Practices” course was taken:\*

- CRWR 101.04 Writing Fiction: Workshop 2 (Pre-req: CRWR 101.03)
- CRWR 102.04 Writing Nonfiction: Workshop 2 (Pre-req: CRWR 102.03)
- CRWR 103.04 Writing Poetry: Workshop 2 (Pre-req: CRWR 103.03)
- CRWR 104.04 Playwriting Workshop 2 (Pre-req: CRWR 104.03)

\* A folio of works is required for the completion of the Minor in Creative Writing. This will be part of the course requirements attached to the “Workshop 2” course taken in the student’s chosen genre.

Total Number of Units for the Minor: 12 units

## MINOR IN THEATER DIRECTING

The Minor seeks to offer Loyola Schools undergraduate students who are not majors in the BFA Theater Arts program the opportunity to pursue their interests in theater performance, direction, as well as design and production while remaining in their regular degree programs.

### *Eligibility Requirement*

Open to all undergraduate students of the Loyola Schools except BFA TA majors.

### *Program Curriculum*

THTR 120.03	Theater Directing: Directing 1
THTR 120.04	Theater Directing: Directing 2 (Prerequisite: THTR 120.03)
THTR 160.03	Theater History and Dramatic Literature: Survey of Theater History and Dramatic Literature
THTR 180	Theater Theory

Total Number of Units for the Minor: 12 units

## MINOR IN THEATRICAL PERFORMANCE

The Minor seeks to offer Loyola Schools undergraduate students who are not majors in the BFA Theater Arts program the opportunity to pursue their interests in theater performance, direction, as well as design and production while remaining in their regular degree programs.

### *Eligibility Requirement*

Open to all undergraduate students of the Loyola Schools except BFA TA majors.

### *Program Curriculum*

THTR 110.03	Theatrical Performance: Voice, Movement, and Mime
THTR 110.04	Theatrical Performance: Acting 1
THTR 110.05	Theatrical Performance: Acting 2 (Prerequisite: THTR 110.03)
THTR 160.03	Theater History and Dramatic Literature: Survey of Theater History and Dramatic Literature

Total Number of Units for the Minor: 12 units

## COURSE OFFERINGS

ARTM 101

ART HISTORY

3 units

Prerequisite: ArtAp 10

This course covers several forms of art from different time periods across various cultures.

ARTM 101.03

ART HISTORY: CLASSICAL ANTIQUITY TO 19TH CENTURY

3 units

Prerequisite: ArtAp 10

This course surveys the stylistic, historical, and conceptual progressions of art through various movements, starting from the Classical Antiquity of the Greco-Roman tradition to the 19th century genesis of Modernism. Cultural, philosophical, religious, and ideological assumptions underlying key historical developments in Western art-making are also underscored.

ARTM 101.04

ART HISTORY: ASIAN ART

3 units

Prerequisite: ArtAp 10

This course surveys the major art traditions in Asia. Students examine important works of visual art and architecture in relation to the social, cultural, and historical contexts out of which they arose.

ARTM 101.05

ART HISTORY: 20TH CENTURY TO GLOBAL CONTEMPORARY ART

3 units

Prerequisite: ArtAp 10

This course surveys visual art from the 20th century to the present. Emphasis is given to works, figures, movements, and ideas that created new trajectories for art-making within specific social and historical contexts.

ARTM 102  
PHILIPPINE ART

3 units

Prerequisite: ArtAp 10

This course covers several forms of art from across the Philippines in different time periods.

ARTM 102.03  
PHILIPPINE ART: SURVEY OF PHILIPPINE VISUAL ARTS 1

3 units

Prerequisite: ArtAp 10

This course surveys cultural and regional artistic productions, craft-based expressions, and their makers that constitute the country's schools of living tradition.

ARTM 102.04  
PHILIPPINE ART: SURVEY OF PHILIPPINE VISUAL ARTS 2

3 units

Prerequisite: ARTM 102.03

This course surveys Philippine visual arts from the colonial period to the contemporary era. It also examines the notion of Filipino identity as it is expressed in or relates to art.

ARTM 103  
ART MANAGEMENT

3 units

Prerequisite: ArtAp 10

This course covers the requisite skills and processes in the professional practice of art management.

ARTM 103.03  
ART MANAGEMENT: COLLECTIONS MANAGEMENT

3 units

Prerequisite: ArtAp 10

This course is an introduction to the curatorial practice with special focus on the care and management of collections and cultural heritage. Students are introduced to basic principles and practices in collections management. These include documentation and cataloging; preventive conservation in exhibitions and storage spaces; and exhibition planning and design for museums, commercial art galleries, and artist-run spaces. The care and management of cultural heritage are also discussed in the context of historic sites and heritage spaces.

ARTM 103.04  
ART MANAGEMENT: INTRODUCTION TO CURATORSHIP

3 units

Prerequisite: ARTM 103.03

This course is an introduction to museum, gallery, and culture-related work. It provides an overview of the nature and scope of museum and cultural work, their histories, as well as relevant frameworks and developments. The course emphasizes the scope of curatorial work and techniques through lectures as well as planning and implementing exhibition projects.

ARTM 103.05  
ART MANAGEMENT: ISSUES IN CURATORIAL PRACTICE

3 units

Prerequisite: ARTM 103.04

This course is a comprehensive look into curatorial practice, specifically issues and problems as well as related developments in cultural theory. Students are provided opportunities to develop and implement art exhibition projects in response to these issues and developments.

ARTM 103.06

ART MANAGEMENT: THE ART WORLD: SITES, SPACES, AND INSTITUTIONS

3 units

Prerequisite: ArtAp 10

This course exposes students to the different facets of the art world through lectures, readings, and visits to art spaces (e.g., galleries, museums, auction houses, alternative spaces, biennales, art fairs).

ARTM 103.07

ART MANAGEMENT: GENRES OF ART WRITING

3 units

Prerequisite: ArtAp 10

This course offers a focused study of the methods of art writing for different audiences. Students acquire the ability to write extended captions, educational and press kits, journalistic art reviews, and art criticism. They are equipped with different critical approaches that aid in the analysis, interpretation, and judgment of art.

ARTM 103.08

ART MANAGEMENT: ART AND BUSINESS

3 units

Prerequisite: ArtAp 10

This course introduces students to the basic accounting and marketing skills relevant to the work carried out in cultural institutions and in the creative industries.

ARTM 103.09

ART MANAGEMENT: PUBLIC PROGRAMMING FOR CULTURE AND THE ARTS

3 units

Prerequisite: ArtAp 10

This course focuses on the principles and strategies for developing education and public programs for museums, galleries, and other cultural organizations. It includes discussions on learning style theories and strategies in marketing and publicity for different communities and audiences.

ARTM 199

ART MANAGEMENT THESIS

3 units

This course culminates the AB AM major's program of study.

ARTM 199.1

ART MANAGEMENT THESIS: SENIOR PROJECT 1

3 units

This is the first of two courses that guide students towards the completion of their senior project. The students must evidence an appreciation of the practice of art management by proposing and executing a project that fills an existing need in the landscape of Philippine visual arts.

ARTM 199.2

ART MANAGEMENT THESIS: SENIOR PROJECT 2

3 units

This is the second of two courses that guide students towards the completion of their senior project. The students must evidence an appreciation of the practice of art management by proposing and executing a project that fills an existing need in the landscape of Philippine visual arts.

ARTS 102

RESEARCH AND THE ARTS

3 units

Prerequisite: ArtAp 10

This course situates the artistic and creative practice with research, the systematic investigation of materials and data towards renewed understandings of reality. Creative work is pursued as a result of research, as leading to research, and as a form of research. Students thus appreciate their practice as not just output or outcome but also as additions to bodies of knowledge.

#### ARTS 103

##### ART AND THE COMMUNITY

3 units

Prerequisite: ArtAp 10

This course explores practices in the arts alongside community-based endeavors and the socio-civic context. Through an appraisal of art-related outreach projects, community-based art projects, and other similar activities, students appreciate and pursue potentials for artistic involvement and interventions unto the world through service and social engagement.

#### ARTS 104

##### THE CREATIVE PROFESSIONAL

3 units

Prerequisite: ArtAp 10

This course prepares FA majors for the professional world. It does so by covering three areas: (1) the legal framework and relevant institutions on culture and the arts; (2) the creative industries, cultural entrepreneurship, and the larger professional ecosystem the creative professional participates in; and (3) practical business skills (e.g., business planning, organizational development, accounting). Students are engaged into analysis, reflection, and practice to foresee productive paths for themselves after undergraduate studies.

#### ARTS 110

##### INTRODUCTION TO STUDIO ARTS

3 units

Prerequisite: ArtAp 10

This course focuses on foundational studio art competencies. Students learn the requisite skills to conceptualize and execute simple yet well-crafted art projects. Issues of creative process, practice, and production are also discussed.

#### ARTS 120

##### DIGITAL DESIGN STUDIO

3 units

Prerequisite: ArtAp 10

This course focuses on foundational competencies in digital design. Students undergo extensive training towards proficiency in the requisite computer software as well as in other relevant digital tools. Basic design principles are also discussed.

#### ARTS 180.03

##### ART AS INQUIRY: ART OF THE CROWD

3 units

This course is an inquiry into the idea of the crowd, into the underlying impulse, motivation, and aspiration that lead certain types of people to form a discrete unit. Beginning with how this manifests in and through the arts, the crowd and its equivalent notions (e.g. groupthink, herd mentality, crowdsourcing) converge various disciplines – some concerned with form, language, and knowledge production, others with products, services, and programs, yet all preoccupied with understanding the world and its issues.

#### ARTS 180.04

##### ART AS INQUIRY: ART OF RESPONSE

3 units

This course is an inquiry into the idea of response, the capacity for stimuli to draw out various engagements



both calculated and spontaneous, thereby negotiating and establishing relationships. Beginning with how this manifests in and through the arts, response and its equivalent notions (e.g. sensitivities and feedbacks, institutional participation, dialogue) converge various disciplines – some concerned with form, language, and knowledge production, others with products, services, and programs, yet all preoccupied with understanding the world and its issues.

#### ARTS 180.05

##### ART AS INQUIRY: ART OF POWER

3 units

This course is an introductory inquiry into the manifold interactions between art and power (political, socio-cultural, economic, etc.), discussing examples from the past to present and across cultures. Art practices across eras and cultures are appreciated in terms of their social implications as depiction and agent, among others, specifically in relation to those with influence and the communities they have influence over.

#### ARTS 180.06

##### ART AS INQUIRY: ART OF PLACE

3 units

This course is an inquiry into the perception, creation, and maintenance of place as theoretical concept and experienced reality, ubiquitous and unassuming as the term may be. Beginning with how this manifests in and through arts, place cuts across historical, geographic, material, psychological, and virtual boundaries while raising ongoing issues about space, community, home, and self, all of which warrant informed and dynamic responses for our contemporary world.

#### ARTS 180.07

##### ART AS INQUIRY: ART OF DISSENT

3 units

This course is an inquiry into the arts in their various roles as forms of social, political, or cultural dissent. It aims to understand how art and literature can provide avenues for dissent, subversion, and emancipation, and how they can function as expression and means of mobilization in the act of protest. The course discusses perspectives on aesthetics and politics, and surveys the various artists, art works, and art movements that dared challenge power. Students gain a critical understanding of such movements and apply their aspects of their aesthetics in their own creative practice.

#### ARTS 180.08

##### ART AS INQUIRY: ART OF THE DOMESTIC

3 units

This course surveys domestic themes and motifs in art, examines how domestic concerns influence art production, and explores perspectives pertaining to the domestic. Topics include the domestic as a site of tranquility and continuity (as seen in expressions like “coming home” and “homeland”), domestic violence, domestication as a metaphor for quelling dissent and individuality, conceptions of domesticity in varying cultural contexts, and the role of art in creating domestic spheres through interior architecture or art in the home. Students gain insights into the domestic, which they can apply in their creative practice.

#### ARTS 180.09

##### ART AS INQUIRY: ART OF WALKING

3 units

This course explores modes of walking (e.g., art practice, *dérive*, *détournement*, emigration, *flânerie/flâneuserie*, *lakaran*, *lakbayan*, meditation, pilgrimage, protest, and ramp walking) and investigates how the act of walking produces particular meanings when situated in specific social, political, and cultural contexts. In interdisciplinary terms, the course examines – using texts from literature, culture, media, and art – how walking trespasses generatively into fields such as literary studies, cultural studies, urban studies, theology, art, fashion, history, and politics, among others. Concepts, methods, and aesthetics pertaining to walking constitute starting points for the students’ creative and critical practice.

ARTS 180.10

ART AS INQUIRY: ART OF GESTURE

3 units

This course is an inquiry into gesture as a compact, non-verbal movement or expression in various semantic, bodily, interpersonal, new media, and spatio-temporal contexts. Using performative, ludic, ritual, and queer frameworks it seeks to unpack the potential of gesture as a minute yet powerful phenomenological act through conceptualized, critiqued, and completed artistic projects.

ARTS 180.13

ART AS INQUIRY: ART OF THE QUEER

3 units

This course is an inquiry into queerness as perspective, identity, and critical lens manifesting in and through the arts. Queerness and its related notions (e.g. masculinity, femininity, androgyny, gender, sexuality, otherness, race, postcoloniality, belonging) converge various disciplines: art and literature, critical theory and philosophy, anthropology and history. The course focuses on the phenomena of queer bodies, communities, practices, objects, places and spaces, times and events, and ways of seeing and being.

ARTS 181

EXPERIMENTAL COLLABORATION IN THE ARTS

3 units

This is a project design course on experimental collaboration, a processual, open-ended approach to art-making involving the interaction of a diverse group of agents (namely department/s, organizations, environments, and other actors). The course explores how one can navigate various circumstances, backgrounds, and considerations that shape the direction and output of a collective project. It encompasses conceptualization, planning, execution, negotiation, and documentation of a collaborative project to its tangible completion as exhibition, performance, or event. Students investigate the different strategies, problematics, and dynamics of collaboration, with particular emphases on environmental, historical, and pedagogical frameworks.

ARTS 197

INTERNSHIP AND PROFESSIONAL EXPOSURE

3 units

Prerequisite: ArtAp 10

This course situates FA majors in professional working places. Students are to render supervised work hours in institutions outside of the university. Experience is gained, skills are refined if not acquired for the first time, and a process of reflection is incited towards appreciating the FA graduate's potential place in the professional world.

CRWR 100

PHILIPPINE LITERATURE AND ITS PRACTICE

3 units

This course places particular focus on the bodies of writings in Filipino, English, and other languages that make up what one may call Philippine literature. Writings are studied in light of social, political, geographical, and biographical circumstances that birthed them. Particular focus is placed on how authors have approached their writing as a result of and/or in response to the milieu that informs it.

CRWR 101

WRITING FICTION

3 units

This course focuses on the writing of fiction. Students critically discuss model readings and focus on issues of craft and process. Through reading supplemented by exercises, the requisite skills of writing in the genre are learned.

CRWR 101.03

WRITING FICTION: WORKSHOP 1

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor, so that the works may be developed further. Students are to focus on the basic techniques and conventions of writing fiction. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 101.04

WRITING FICTION: WORKSHOP 2

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on writing different modes of fiction. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 101.05

WRITING FICTION: WORKSHOP 3

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on emerging practices in writing fiction. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 102

WRITING NONFICTION

3 units

This course focuses on the writing of literary nonfiction. Students critically discuss model readings and focus on issues of craft and process. Through reading supplemented by exercises, the requisite skills of writing in the genre are learned.

CRWR 102.03

WRITING NONFICTION: WORKSHOP 1

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on the basic techniques and conventions of writing literary nonfiction. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 102.04

WRITING NONFICTION: WORKSHOP 2

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on writing different modes of literary nonfiction. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 102.05

WRITING NONFICTION: WORKSHOP 3

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on emerging practices in writing literary nonfiction. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 103  
WRITING POETRY

3 units

This course focuses on the writing of poetry. Students critically discuss model readings and focus on issues of craft and process. Through reading supplemented by exercises, the requisite skills of writing in the genre are learned.

CRWR 103.03  
WRITING POETRY: WORKSHOP 1

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on the basic techniques and conventions of writing poetry. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 103.04  
WRITING POETRY: WORKSHOP 2

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on writing different modes of poetry. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 103.05  
WRITING POETRY: WORKSHOP 3

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on emerging practices in writing poetry. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 104  
PLAYWRITING

3 units

This course focuses on the writing of drama. Students critically discuss model readings and focus on issues of craft and process. Through reading supplemented by exercises, the requisite skills of writing in the genre are learned.

CRWR 104.03  
PLAYWRITING: WORKSHOP 1

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on the basic techniques and conventions of playwriting. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 104.04  
PLAYWRITING: WORKSHOP 2

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on writing different modes of drama. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 104.05

PLAYWRITING: WORKSHOP 3

3 units

This is a workshop course where original works by students are critically discussed as a class under the guidance of an instructor so that the works may be developed further. Students are to focus on emerging practices in writing drama. This process includes a consideration of model texts within the genre as well as relevant supplementary texts.

CRWR 110

GENRE PRACTICES

3 units

This course is an analytical study and appreciation of several genres for those interested in the writing of it. It studies the development of these genres through time in the Philippines in comparison to other literatures. Particular focus is placed on how authors have approached their writing as a result of and/or in response to the milieu that informs it.

CRWR 110.03

GENRE PRACTICES: DEVELOPMENT OF FICTION AND ITS PRACTICE

3 units

This course is an analytical study and appreciation of fiction for those interested in the writing of it. It studies the development of the practice of the genre through time in the Philippines in comparison to other literatures. Particular focus is placed on how authors have approached their writing as a result of and/or in response to the milieu that informs it.

CRWR 110.04

GENRE PRACTICES: DEVELOPMENT OF LITERARY NONFICTION AND ITS PRACTICE

3 units

This course is an analytical study and appreciation of literary nonfiction for those interested in the writing of it. It studies the development of the practice of the genre through time in the Philippines in comparison to other literatures. Particular focus is placed on how authors have approached their writing as a result of and/or in response to the milieu that informs it.

CRWR 110.05

GENRE PRACTICES: DEVELOPMENT OF POETRY AND ITS PRACTICE

3 units

This course is an analytical study and appreciation of poetry for those interested in the writing of it. It studies the development of the practice of the genre through time in the Philippines in comparison to other literatures. Particular focus is placed on how authors have approached their writing as a result of and/or in response to the milieu that informs it.

CRWR 110.06

GENRE PRACTICES: DEVELOPMENT OF PLAYWRITING AND ITS PRACTICE

3 units

This course is an analytical study and appreciation of playwriting for those interested in the writing of it. It studies the development of the practice of the genre through time in the Philippines in comparison to other literatures. Particular focus is placed on how authors have approached their writing as a result of and/or in response to the milieu that informs it.

CRWR 120

PUBLISHING

3 units

This course covers all aspects and forms of publishing. It focuses on the author's experience of the process, from readying a manuscript for publication to decisions related to form, production, and distribution, among others.

CRWR 170  
POETICS

3 units

This course is a study of relevant theories and literature on the art of writing literature towards an understanding of one's own practice. It frames creative writing within the context of a writer's training in the principles of critical reading and thinking, as well as those of continual reflection on how texts are generated and interpreted.

CRWR 199  
CREATIVE WRITING THESIS

3 units

This course guides students towards the completion of their Senior Project. This project is to evidence an appreciation of the practice of a chosen genre across relevant contexts and discourses through a completed manuscript and an accompanying critical essay that accounts for the manuscript, its author, its genre, and other relevant preoccupations.

CRWR 199.1  
CREATIVE WRITING THESIS: SENIOR PROJECT 1

3 units

This is the first of two courses that guide students towards the completion of their Senior Project. This project is to evidence an appreciation of the practice of a chosen genre across relevant contexts and discourses through a completed manuscript and an accompanying critical essay that accounts for the manuscript, its author, its genre, and other relevant preoccupations.

CRWR 199.2  
CREATIVE WRITING THESIS: SENIOR PROJECT 2

3 units

This is the second of two courses that guide students towards the completion of their Senior Project. This project is to evidence an appreciation of the practice of a chosen genre across relevant contexts and discourses through a completed manuscript and an accompanying critical essay that accounts for the manuscript, its author, its genre, and other relevant preoccupations.

IDES 101  
DESIGN THEORY AND HISTORY

3 units

This course concerns the study of various design theories and related histories. It explores the theoretical and historical underpinnings of design, and their impact on contemporary practice and thought.

IDES 101.03  
DESIGN THEORY AND HISTORY: INFORMATION ARCHITECTURE

3 units

This course explores how data, raw facts, and statistics are translated into valuable and meaningful information. It concerns how content, consumer, and context work together to create good information environments. Methodologies of research, analysis, and communication are delved into, and students are challenged to analyze designs in terms of how the information is presented.

IDES 101.04  
DESIGN THEORY AND HISTORY: VISUAL COMMUNICATION

3 units

This course introduces students to the fundamental principles of visual communication. It concerns the theories behind the use of images to communicate ideas and information across several audiences, media, and platforms. Students are challenged to demonstrate a keen understanding of the communication process, visual literacy, and semiotics by applying this knowledge through a variety of visual forms.

IDES 101.05

DESIGN THEORY AND HISTORY: HISTORY OF GRAPHIC DESIGN

3 units

This course surveys graphic design movements across different eras and contexts, and these are analyzed by how they influence contemporary design. Students are challenged to view design as being a product of and response to aesthetic, social, technological, and environmental realities.

IDES 101.06

DESIGN THEORY AND HISTORY: PHILIPPINE DESIGN

3 units

This course explores Philippine art and culture and its possible effect on the Philippine practice of design. It examines different media, genres, and themes towards entertaining the possibility of distinct aesthetic, material, and experiential (among others) manifestations in Philippine design.

IDES 102

DESIGN PROCEDURES

3 units

This course concerns the various procedures and platforms involved in information design. It examines how specific design processes like typography, traditional and digital publication design, and visual identity systems are performed, practiced, and refined.

IDES 102.03

DESIGN PROCEDURES: TYPOGRAPHY

3 units

Prerequisite: ARTS 120

This course engages students with typography. Principles of typeface selection and creation for design are explored, and these are contextualized historically. Students are encouraged to view and utilize typography as an intrinsic aspect of design.

IDES 102.04

DESIGN PROCEDURES: PRINT AND PUBLICATION DESIGN

3 units

Prerequisite: ARTS 120

This course engages students with print and digital publications. Basic design concepts, competencies, and procedures for publications are explored. Furthermore, a comprehensive survey of the development of publications is studied alongside current practices and future projections. Students are challenged to conceptualize and execute publications conceived as design solutions to contemporary needs.

IDES 102.05

DESIGN PROCEDURES: WEB DESIGN

3 units

Prerequisites: ARTS 120 and IDES 101.03

This course engages students with the process of web design. The elements, forms, and functions of a website are explored and analyzed. Furthermore, languages for web development are studied. Students are challenged to conceptualize and execute web projects conceived as design solutions to contemporary needs.

IDES 102.06

DESIGN PROCEDURES: INTERACTION DESIGN

3 units

This course studies user interfaces and the behavior between users and products. It tackles the needs of users and how a systematized understanding of human behavior, desires, and necessities can be used to shape their interaction with products and services. Students are guided through a brief history of interaction design, various landmark case studies, the heuristic evaluation, and different patterns of interaction design.

IDES 102.07

DESIGN PROCEDURES: CHARACTER DESIGN

3 units

Prerequisite: ARTS 110

This is an advanced lecture and studio course on character design for different visual narrative formats. Principles and techniques of illustration and semiotics are used for effective storytelling.

IDES 103

DESIGN PRACTICE

3 units

This course concerns the practice of information design in specific contexts. Students are challenged to demonstrate mastery of craft by creating designs that are both effective and grounded in previously learned design theories and disciplines.

IDES 103.03

DESIGN PRACTICE: GRAPHIC DESIGN PRACTICE

3 units

Prerequisites: ARTS 120, IDES 101.03 and IDES 101.04

This course concerns translating design and visual communication theories into the practice of graphic design. Requisite knowledge of theoretical frameworks (information architecture and visual communication) are reviewed and unpacked further through simulations of contemporary/professional graphic design practices. Students are challenged to engage in the graphic design process critically and intelligently.

IDES 103.04

DESIGN PRACTICE: ADVANCED PUBLICATION

3 units

Prerequisites: IDES 101.03, IDES 101.04, IDES 102.03

This course tackles the design and full production of publications in today's context. It offers modules on analyzing and structuring complex content for layout and production of electronic publication (epub). This course also offers students hands-on experience with printers and other suppliers to understand differences in paper, ink, and printing techniques.

IDES 151

STORYBOARDING

3 units

Storyboarding is the process of breaking down a narrative into visual frames. Through this course, students learn to pre-visualize motion pictures and apply the skill to different kinds of production (e.g. film, commercials, animation, mobile games, etc.). Students also learn to interpret narratives from scripts, storylines, and design briefs and convert these into frame-by-frame illustrations. By the end of the course, each student is expected to complete their own full storyboard that details the framing, composition, treatment, and movement of each scene.

IDES 192

DESIGN RESEARCH

3 units

Prerequisite: IDES 103.03

This course tackles the practice of graphic design as a research-based, iterative process. Research methodologies, practices, as well as research paper writing conventions are covered and utilized to conduct a relevant design inquiry. Students are challenged to pursue methodical and well-founded approaches to their design practice.

IDES 199

INFORMATION DESIGN THESIS

3 units



This course synthesizes all the theoretical and practical knowledge covered by the program. Students are tasked to translate this knowledge into a design solution to address an urgent and relevant social issue. The process is grounded in research, manifests in a project, and is documented in an academic essay.

#### IDES 199.1

##### INFORMATION DESIGN THESIS: SENIOR PROJECT 1

3 units

Prerequisite: IDES 192

This is the first of two courses that guide students towards the completion of their Senior Project. The project should: (1) evidence an understanding of the principles, processes, and techniques that their degree represents; (2) be a result of appropriate research methods and project proposal processes; (3) respond viably, feasibly, and effectively to a clearly defined information design problem.

#### IDES 199.2

##### INFORMATION DESIGN THESIS: SENIOR PROJECT 2

3 units

Prerequisite: IDES 199.1

This is the second of two courses that guide students towards the completion of their Senior Project. The project should: (1) evidence an understanding of the principles, processes, and techniques that their degree represents; (2) be a result of appropriate research methods and project proposal processes; (3) respond viably, feasibly, and effectively to a clearly defined information design problem.

#### THTR 101

##### INTRODUCTION TO THEATER

3 units

This course is an introduction to the collaborative process of theater by examining the roles of the playwright, actor, and director and how aesthetic choices are made based on analysis and interpretation of play texts. Topics include playwriting, performance, directing, and production. The course culminates in the performance of a play developed, acted in, designed, and directed by the students themselves.

#### THTR 110

##### THEATRICAL PERFORMANCE

3 units

This course focuses on the skills, techniques, and frameworks needed to perform for theater.

#### THTR 110.03

##### THEATRICAL PERFORMANCE: VOICE, MOVEMENT, AND MIME

3 units

This workshop course introduces techniques, approaches, and exercises towards the proper use of the actor's instrument: the voice and body. It aims to discover, explore, and enhance the actor's tools to have full range of one's capacity to communicate. The course begins with awareness and basic exercises and end with application.

#### THTR 110.04

##### THEATRICAL PERFORMANCE: ACTING 1

3 units

Prerequisite: THTR 110.03

This course is an introduction to basic acting techniques. The course explores Constantin Stanislavski's acting terms and concepts through analysis and extensive scene work to establish the foundation for the actor's art, the Michael Chekhov approach on how to make the pretend world of the play real to themselves and the audience, and Meisner Techniques for making physical and vocal choices in partner work.

#### THTR 110.05

##### THEATRICAL PERFORMANCE: ACTING 2

3 units

Prerequisite: THTR 110.04

This course is an introduction to advanced acting techniques. The course explores acting terms for monologue auditions and ensemble work. Techniques are explored for making physical and vocal choices in class exercises, rehearsals, and performance. Thorough preparation and exploration lay the groundwork for intuitive, moment-to-moment creation on the stage. The course also tackles elements from Stanislavski's acting techniques and Brecht's epic theater and approach to acting.

THTR 110.06

THEATRICAL PERFORMANCE: DEVISING AND NON-TEXT BASED PERFORMANCE

3 units

This is a workshop course on devising and non-text based performance, an unconventional process wherein performers undergo various workshops to create their own original dramatic piece inspired by textual or non-textual source. Interdisciplinary in approach, students are exposed to various methods which may include movement and voice exercises, improvisation, journal writing, archival research, field work, arts and crafts, acting, and multimedia experiments. The developing history of this new theatrical form is also analyzed to situate it within the larger context of the theory and practice of contemporary theater and performance art.

THTR 120

THEATER DIRECTING

3 units

This course focuses on the skills, techniques, and frameworks needed to direct theater productions.

THTR 120.03

THEATER DIRECTING: DIRECTING 1

3 units

This course is an introduction to the theories and principles of directing. It focuses on the director's approach to text, interpretation, and visualization. Student directors also learn to analyze plays, mount scenes, apply the principles of composition and picturization, as well as to plan and stage a small production.

THTR 120.04

THEATER DIRECTING: DIRECTING 2

3 units

Prerequisite: THTR 120.03

This course features advanced work on composition, picturization, text work, style, and other directorial practices, all done in workshop style that center on specific skills exercises. The course exposes students to more complex tools of stage composition and picturization, movement, style, rhythm, script analysis, and concept formation to support dramatic action and bring concepts and narrative to life.

THTR 130

THEATER DESIGN

3 units

This course focuses on the skills, techniques, and frameworks needed to design for theater.

THTR 130.03

THEATER DESIGN: SET DESIGN

3 units

This course is an introduction to the basics of set design for theater: finding visual images, creating physical spaces, and communicating meaning. It introduces students to the basic tools and techniques of technical drawing, orthographic drawing, and scale modeling.

THTR 130.04

THEATER DESIGN: COSTUME DESIGN

3 units

This course is an introduction to designing costumes for the stage. Principles of color and proportion as well as textual analysis and a historical perspective are discussed as they inform the costume design process.

THTR 140

THEATER TECHNOLOGY

3 units

This course focuses on the skills, techniques, and frameworks important to theater technology.

THTR 140.03

THEATER TECHNOLOGY: TECHNICAL THEATER

3 units

This course is an introduction to the basic technical theater skills used in the pre, post, and running phases of theatrical productions. It aims to empower students with the ability to operate and utilize basic lighting and sound equipment and tools.

THTR 145

THEATER MANAGEMENT

3 units

This course focuses on the skills, techniques, and frameworks important to theater management.

THTR 145.03

THEATER MANAGEMENT: STAGE MANAGEMENT

3 units

This course is an introduction to the basic principles and practices of theatrical stage management from pre-production to post-production. Lectures on planning, setting up, and running of rehearsals and performances are applied in practical activities that simulate the working environment of mounting a production.

THTR 150

THEATER GENRES

3 units

This course surveys various genres of theater towards understanding the skills, techniques, and frameworks that cut across them as well as those that are unique to each of them.

THTR 150.03

THEATER GENRES: MUSICAL THEATER

3 units

This course aims to develop a theater form that utilizes extensively the musical component of drama through singing and acting. Students must possess basic musical skills: performing music, singing, and acting. Additional knowledge in playing a musical instrument, lyric and music composition, and arranging music is encouraged.

THTR 160

THEATER HISTORY AND DRAMATIC LITERATURE

3 units

This course takes a historical approach to surveying theater and dramatic literature across several cultures.

THTR 160.03

THEATER HISTORY AND DRAMATIC LITERATURE:  
SURVEY OF THEATER HISTORY AND DRAMATIC LITERATURE

3 units

This course is a study of major events, problems, and concepts of theater history and theory, and of major movements, playwrights, and works at historical junctures. The readings focus on those artists and

movements that have influenced how practitioners and audiences produce and view live performance. The course also examines how alternative forms of performance have impacted the way theater is produced in contemporary times.

THTR 160.04

THEATER HISTORY AND DRAMATIC LITERATURE: PHILIPPINE DRAMA

3 units

Ito ay isang batayang kurso na nagsusuri sa naging daloy ng kasaysayan ng dulang Filipino mula sa panahong katutubo hanggang sa panahong kontemporaryo. Tinatampok sa kurso ang pagsusuri sa mga tradisyunal na dula na pinagbubukalan ng magkakatunggaling sensibilidad sa pagtasa sa estetika ng dulang Pilipino. Upang magkaroon ng sistematikong pag-unawa ang mag-aaral sa saklaw ng dulang Pilipino, imamapa ng kurso ang mga lunan at espasyong pinagbubukalan ng dulang Pilipino tungo sa pagkilatis at pagbibigay kahulugan sa diwa ng “pambansang dulaan.”

THTR 170

THEATER PRODUCTION

3 units

The course provides students with an applied laboratory study of the processes involved in the production of a play. Throughout the semester, students work in several aspects of a production for a set number of hours and take part in scheduled interactions with theater professionals.

THTR 180

THEATER THEORY

3 units

The course is a study of selected texts in Western criticism, with emphasis on 20th century theories. Critical readings and considerations of theatrical performances are selected to raise contemporary intellectual, ethical, and aesthetic problems. Twentieth century readings include works representing gender studies, postcolonial studies, and cultural materialism.

THTR 199

THEATER ARTS THESIS

3 units

This course prepares students for the completion of their senior project. Culminating in the production of either a classical or contemporary play, the project is to evidence the students' understanding of the practice of their chosen track.

THTR 199.1

THEATER ARTS THESIS: SENIOR PROJECT 1

3 units

This is the first of two courses that prepare students for the completion of their senior project. Culminating in the production of either a classical or contemporary play, the project is to evidence the students' understanding of the practice of their chosen track.

THTR 199.2

THEATER ARTS THESIS: SENIOR PROJECT 2

3 units

This is the second of two courses that prepare students for the completion of their senior project. Culminating in the production of either a classical or contemporary play, the project is to evidence the students' understanding of the practice of their chosen track.

# INTERDISCIPLINARY STUDIES

2/F Horacio de la Costa Hall  
(632) 8426-6001 loc. 5340/5341  
[is.soh@ateneo.edu](mailto:is.soh@ateneo.edu)

The Department of Interdisciplinary Studies and the Humanities Program under its wing seek to enhance the Liberal Arts component of the curriculum. It does so by offering a variety of courses in traditional arts and new forms of expression in an increasingly globalized world.

Its mission is to develop graduates who possess a holistic view of the world. Students meet this goal by taking courses in at least two disciplines (e.g., communication and business, literature and philosophy) and applying the interdisciplinary method in their courses and a final senior seminar paper. Thus, students are challenged to think outside the box, seek other ways of exploring personal and social experiences through a creative and critical engagement with an ever-changing reality.

The program prepares the students to face the demands of their chosen profession whether it is in the arts, in media, in entrepreneurship, to name a few.

## BACHELOR OF ARTS IN HUMANITIES

The Bachelor of Arts major in Humanities is premised on the important role of the arts and letters in shaping the perspective of students. It posits that exposure to the great ideas and achievements in the arts over the course of human civilization enables students to navigate a complex world that is increasingly run by pragmatic interests. Lodged as it is in the Department of Interdisciplinary Studies (IS Department), the AB Humanities program is also interdisciplinary in approach. Under the revised curriculum, AB Humanities majors, with the guidance of the IS Department's Academic Adviser: take a menu of classes from two or three disciplines in the humanities of their choice, namely, Literature (whether in English or in Filipino), Philosophy, History, Languages, Music Literature, and the Fine Arts (Arts Management, Creative Writing, Information Design, and Theater Arts); take Major/Required Courses from the IS Department consisting of three Great Books classes, a class in Aesthetics, the course Introduction to Interdisciplinary Approaches, and three Interdisciplinary Studies (IDS) electives. A pair of terminal classes, Senior Seminar I and Senior Seminar II, allow Humanities seniors to integrate their two or three disciplines in an investigative-analytical paper, an applied research project, or a creative work. Moreover, under the revised curriculum, AB Hum majors must take a second Foreign Language Course (FLC 2) that should be in the same language as their Foreign Language Course (FLC) required by the Core Curriculum).

It is the mission of the Bachelor of Arts major in Humanities program to produce graduates who are: sensitive to the delicate nuances of the human condition; aware and appreciative of the record of the great human passions and ideas that have shaped and continue to shape the modern world; infused with the spirit of rigorous rational inquiry; and equipped with the intellectual maturity to form and articulate their own ideas. With the students' commitment, the program hopes to instill the ideas of intellectual tolerance, love and liberty of thought, and the belief in the essential dignity of human beings – ideals that are at the core of every attempt to change the world. The Bachelor of Arts, major in Humanities, in short, is a liberal education for genuine human liberation.

### *Program Learning Objectives*

Apart from being able to do what the revised Ateneo Core Curriculum envisions them as doing, the graduates of the AB Humanities program should be able to:

1. demonstrate familiarity with key concepts, authors, developments, and works in two or three areas of the humanities;
2. analyze objects (whether texts, issues, phenomena) in the humanities using and integrating appropriate concepts or theories;
3. conduct research or undertake projects, either by himself or herself or with a team, using the appropriate methodologies; and
4. read texts in a foreign (i.e., not a Philippine) language apart from English.

		<b>FIRST YEAR</b>			
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	ArtAp 10	Art Appreciation	3

NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 12	Foreign Language and Culture 12	3
FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

#### SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
HUMAN 141	Introduction to Aesthetics	3	HUMAN 145/146/147	Great Books	3
HUMAN 145/146/147	Great Books	3	HUMAN ELECTIVE	Human Program Elective	3
HUMAN ELECTIVE	Human Program Elective	3	HUMAN ELECTIVE	Human Program Elective	3
HUMAN ELECTIVE	Human Program Elective	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		TOTAL	18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
HUMAN ELECTIVE	Human Program Elective	3	HUMAN 145/146/147	Great Books	3
HUMAN ELECTIVE	Human Program Elective	3	HUMAN ELECTIVE	Human Program Elective	3
IDS 192	Introduction to Interdisciplinary Approaches	3	IDS ELECTIVE	Required Course: IS Elective	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	18(0)
	TOTAL	18(3)			

#### FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
HUMAN 199.1	Senior Seminar	3	HUMAN 199.2	Senior Seminar II	3
HUMAN ELECTIVE	Human Program Elective	3	HUMAN ELECTIVE	Human Program Elective	3
HUMAN ELECTIVE	Human Program Elective	3	IDS ELECTIVE	Required Course: IS Elective	3
IDS ELECTIVE	Required Course: IS Elective	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3		TOTAL	15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 142(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES

The AB Interdisciplinary Studies program is premised on the heterogeneity of experience and is thus directed at developing the critical faculty of integration. In practice, AB Interdisciplinary Studies majors take a menu of classes from two disciplines of their choice, under the supervision of the Academic Adviser of the Department. These classes are offered by departments/programs from the four schools making up the Loyola Schools.

In addition, AB IS majors take Major/Required courses from the Interdisciplinary Studies Department, including one of the four Great Books classes, and the course Introduction to Interdisciplinary Approaches. In various ways, these classes are meeting places of perspectives or methodologies. A pair of terminal classes (Senior Seminar I and Senior Seminar II) allows students to integrate two disciplines in an investigative-analytical paper, an applied research project, or a creative work. Thus, the program combines training in the foundations of two disciplines and opportunities for interdisciplinary synthesis.

It is the mission of the Bachelor of Arts major in Interdisciplinary studies program to develop well-rounded students and lifelong learners: who are able to see beyond disciplinary lines; who are able to synthesize knowledge gained from different disciplinary perspectives; who have professional skills in disciplines of their own choosing; and who are equipped to view and respond to the world from a holistic perspective.

In emphasizing an interdisciplinary approach to the analysis of texts or of contemporary Philippine realities, the Bachelor of Arts major in Interdisciplinary Studies acknowledges that insights into the human condition and its problems – whether societal, environmental, commercial, or interpersonal; whether theoretical-philosophical or practical – can originate from various points and be made to converge productively.

### *Program Learning Objectives*

Apart from being able to do what the revised Ateneo Core Curriculum envisions them as doing, the graduates of the AB Interdisciplinary Studies program should be able to:

1. demonstrate familiarity with key concepts, authors, developments, and works in two disciplines;
2. analyze objects (whether texts, an issue, an event, phenomenon, etc.) in Philippine reality using and integrating appropriate concepts or theories;
3. conduct research or undertake projects, either by himself or herself or with a team, using the appropriate methodologies; and
4. read texts in a foreign (i.e., not a Philippine) language apart from English.

<u>First Semester</u>		<b>FIRST YEAR</b>				<u>Units</u>
		<u>Units</u>	<u>Second Semester</u>			
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3	
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3	
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	ArtAp 10	Art Appreciation	3	
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3	
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3	
THEO 11	Faith, Spirituality, and the Church	3	FLC 12	Foreign Language and Culture 12	3	



FLC 11	Foreign Language and Culture 11	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
	TOTAL	19(2)			

#### SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDS ELECTIVE	Required Course: IS Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDS 192	Introduction to Interdisciplinary Approaches	3	IDS 145/146/147	Great Books Course	3
IDS ELECTIVE	Required Course: IS Elective	3	IDS ELECTIVE	Required Course: IS Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		18(0)
	TOTAL	18(3)			

#### FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
IDS 199.1	Senior Seminar I	3	IDS 199.2	Senior Seminar II	3
IDS ELECTIVE	Required Course: IS Elective	3	IDS ELECTIVE	Required Course: IS Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	IDS PROGRAM ELECTIVE	IDS Program Elective	3
IDS PROGRAM ELECTIVE	IDS Program Elective	3	SocSc 14	Politics, Governance, and Citizenship	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3	TOTAL		15(0)
	TOTAL	18(0)			

Total Number of Academic Units: 142(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## MINOR IN MUSIC LITERATURE

The Minor in Music Literature offered by the Department of Interdisciplinary Studies approximates the Music Literature Minor of a Bachelor of Music Program of any reputable Conservatory or College of Music. Graduates of this Minor should have a critical grasp of Western and Philippine music history, a rudimentary grasp of music theory, and should have developed a cultivated taste in listening to live concerts and recordings of serious music. They should be fairly adept at music research and should be able to write program notes of standard concert repertoire, and eventually try their hand at music criticism.

### *Minimum Grade Requirement*

The student fulfills the requirements of the Minor in Music Literature upon passing, with a minimum grade of C, the following five required courses:

### *Program Curriculum*

#### Required Courses (12 units)

IDS 121.13	Music: The Development of Music in Western Society
IDS 121.14	Music: Rudiments of Music
IDS 121.15	Music: Basic Music Research and Criticism
IDS 180.16	Special Topics in Philippine Studies: Philippine Music and Culture

#### IS Music Elective (3 units)

Any Music Literature Elective (**Except** IDS 121.03 Music: Music Appreciation I and IDS 121.04 Music: Music Appreciation II)

IDS 121.16	Music: Sonata, Symphony, and Concerto
IDS 121.17	Music: Form Analysis of 18th Century Works
IDS 121.18	Music: Program Music of the 19th Century
IDS 121.19	Music: Wagner's Ring: A 21st Century Approach
IDS 121.23	Music: An Introduction to Opera
IDS 121.24	Music: An Introduction to Opera: Literature, Film, and Opera
IDS 121.25	Music: Art Song as Condensed Opera
IDS 121.26	Music: The Broadway Musical of the 20th Century
IDS 121.33	Music: Liturgical Music History and Traditions
IDS 121.34	Music: Asian Music
IDS 121.35	Music: Latin American Music and Culture
IDS 121.43	Music: Philippine Traditional Song Forms of the 20th Century

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

### HUMAN 141

#### INTRODUCTION TO AESTHETICS

3 units

This course is an introduction to elements and principles of the aesthetic experience in the visual arts, performing arts, and literature. Varieties of aesthetic norms and standards are examined.

### HUMAN 142

#### INTERDISCIPLINARY APPROACHES TO THE ARTS

3 units

This course is an introduction to the relationships that exist among the arts and such disciplines as philosophy, sociology, history, and psychology, as well as the precise ways in which art studies have been enriched by this interaction.

### HUMAN 145

#### GREAT BOOKS I: ANCIENT PERIOD

3 units

This is a course on the Epics (Homer, Virgil), the Scriptures (the Bible, the Koran), the Greek dramas (Sophocles, Aeschylus), the Philosophers (Aristotle, Plato), and other enduring masterpieces of the ancient world. The course discusses and explores the ideas embodied in these texts.

### HUMAN 146

#### GREAT BOOKS II: MIDDLE PERIOD

3 units

This course is a survey of the masterpieces of literature from the Middle Ages to the beginning of the 19th century. Readings include selections from the works of Dante, Cervantes, Shakespeare, Goethe, Augustine and Machiavelli, among others.

### HUMAN 147

#### GREAT BOOKS III: MODERN PERIOD

3 units

This last course of the Great Books series explores the traditional concerns of modernity (alienation, fragmentation) and debates on race, gender, class, and the existence of the canon of "great books." Selections from 20th century world literatures include works of Chekhov, Joyce, Garcia-Marquez, and Achebe.

### HUMAN 199.1

#### SENIOR SEMINAR I

3 units

Prerequisite: IDS 192

This is a course that familiarizes students with the fundamentals of research, specifically the methods, tools, and techniques of research with an interdisciplinary orientation. It provides students with opportunities for and practice in research, particularly aimed toward identification and formulation of a research problem.

### HUMAN 199.2

#### SENIOR SEMINAR II

3 units

Prerequisite: HUMAN 199.1

This is a course that helps the student complete, defend, and submit the final form of their senior paper.

### IDS 111.23

#### CLASSICAL STUDIES

3 units

This is a course on special topics in the world of classical (Greek and Latin) learning. It can be used for courses in Greek or Latin language, or for reading the classic philosophers and writers.

IDS 121.03

MUSIC: MUSIC APPRECIATION I

3 units

This course is an introduction to representative examples of serious music, their creators, and the relationships between music literature and the social, cultural, and historical milieu it flourished in. Course methodology includes lectures, assigned readings, exposure to recorded and live performances, group discussions, and practical application.

IDS 121.04

MUSIC: MUSIC APPRECIATION II

3 units

This course is a sequel to Music Appreciation I that delves deeper into the riches of the golden eras of orchestral writing: the Classical and Romantic Periods. The symphonies and concertos of Mozart, Beethoven, Brahms, and Tchaikovsky, among others, are studied in depth.

IDS 121.13

MUSIC: THE DEVELOPMENT OF MUSIC IN WESTERN SOCIETY

3 units

This course is a survey of music in Western history, from ancient classical cultures to the early modern period. Focus is on developments within a historical context, taking into account the multiple influences of social, cultural, political, and other relevant forces.

IDS 121.14

MUSIC: RUDIMENTS OF MUSIC

3 units

This is a course that orients the music literature track/minor on the written language of music: Notation, Scales, Intervals, Transposition, Chords, Cadences, Non-harmonic Tones, Melodic Organization, Basic Tonal Harmony in Four Voices, and Aural Skills: Rhythmic, Melodic and Functional Dictation, Interval Identification and Sight Singing.

IDS 121.15

MUSIC: BASIC MUSIC RESEARCH AND CRITICISM

3 units

This is a course in musicology that introduces reliable and recently revised sources of music research for writing program notes. It aims to develop good taste in listening to live and recorded music, an essential ingredient to music criticism.

IDS 121.16

MUSIC: SONATA, SYMPHONY, AND CONCERTO

3 units

This is a course that surveys the development of the sonata-allegro form from the 18th to the 20th centuries. Topics include form analysis and critical listening of the works of Mozart, Beethoven, Brahms, Liszt, Tchaikovsky, Rachmaninov, and Prokofiev.

IDS 121.17

MUSIC: FORM ANALYSIS OF 18TH CENTURY WORKS

3 units

This is a course on basic harmonic, form, and motive analysis of small and large works of Haydn, Mozart, and Beethoven that aims for a more critical listening of works of the 18th century, a period that called for more structure and balance in music.

IDS 121.18

MUSIC: PROGRAM MUSIC OF THE 19TH CENTURY

3 units

This is a course that surveys the attempts at the dissolution of classical forms that led to a musical genre that would be the seeds for 20th century film music.

IDS 121.19

MUSIC: WAGNER'S RING: A 21ST CENTURY APPROACH

3 units

This course is a philosophical, sociopolitical, and psychological approach to Wagner's 16-hour opera cycle that is based on Nordic mythology. It establishes the relevance of the work to present times in every scene of every act, revealing allusions to power play, corruption, retribution, and enlightenment.

IDS 121.23

MUSIC: AN INTRODUCTION TO OPERA

3 units

This is a layman's first course on the opera as a genre that aims to heighten appreciation of opera as an art form through a survey of its development in the last 400 years. Lectures and film showings are undertaken.

IDS 121.24

MUSIC: AN INTRODUCTION TO OPERA: LITERATURE, FILM, AND OPERA

3 units

This is an interdisciplinary course designed to interrogate the complementary relationship among literature, opera, and film. The course presents literature as narrative source of opera and also establishes the libretto by itself as a viable work of literature. Finally, the course examines the union of literature and opera as embodied through the medium of film and its various elements: from cinematography to mise en scene, from editing to acting, from sound to ideology.

IDS 121.25

MUSIC: ART SONG AS CONDENSED OPERA

3 units

This is an erudite music lover's course on the fusion of music and poetry of the 19th century, a survey of standard German, French and Russian art songs that exemplify the concept of "Art Song as Language."

IDS 121.26

MUSIC: THE BROADWAY MUSICAL OF THE 20TH CENTURY

3 units

This is a course that maps out how three centuries of opera comique gave birth to a popular genre (music theater) developed in England and the USA.

IDS 121.33

MUSIC: LITURGICAL MUSIC HISTORY AND TRADITIONS

3 units

This course studies the development of sacred music. Topics span from ancient biblical times to popularization in the 20th and 21st centuries, touching on the Gregorian chant, the notation of church music, Protestant liturgical music, choral works of the Classical period, and Requiem masses.

IDS 121.34

MUSIC: ASIAN MUSIC

3 units

This course is a survey of the musical output of the old and older world of East and Southeast Asia, its socio-anthropological implications, and its influences in the music of the 20th century.

IDS 121.35

MUSIC: LATIN AMERICAN MUSIC AND CULTURE

3 units

This is a course that provides university students with a general introduction to Latin American music. Focus is on folk and popular styles and their social history and relevance.

IDS 121.43

MUSIC: PHILIPPINE TRADITIONAL SONG FORMS OF THE 20th CENTURY

3 units

This is a course that examines the evolution of the Kundiman, Balitaw, Kumintang, and Danza from 1900 to the present times and establishes the elements that set them apart from the pop culture that developed after World War II.

IDS 122.03

PRACTICAL ARTS: THE CREATIVE PROCESS

3 units

This course discusses the process of creativity. While we look into the various theories of creativity, for the most part, we engage our own creative impulses and see what kind of realization they lead us to, as work with words, music, paint, voice, mime.

IDS 122.04

PRACTICAL ARTS: INTRODUCTION TO DRAWING AND PAINTING I

3 units

This is a hands-on course on basic drawing, painting, composition, and design, using pencil, pen, and oil pastel. A group exhibit is mounted at the end of the semester.

IDS 122.05

PRACTICAL ARTS: INTRODUCTION TO DRAWING AND PAINTING II

3 units

This is a hands-on course on the use of oil or acrylic as painting media. Students are taught the basics of painting through actual practice. Learning is done through actual painting sessions, critiques, and gallery-museum hopping.

IDS 122.06

PRACTICAL ARTS: WRITING AND ILLUSTRATING FOR CHILDREN

3 units

This is a hands-on writing and illustration course on children's book production. Students undergo workshops on their works, get input from resource people (writers, illustrators, and a psychologist), create samples of published works for children, and conduct story-telling sessions. Students produce a publishable final work.

IDS 122.07

PRACTICAL ARTS: BASIC ILLUSTRATION AS VISUAL NARRATIVE

3 units

This is a course designed to develop the ability of the illustrator to communicate visually, focusing on producing works intended for specific reproductions, such as magazines, comics, newspapers, and books. Students present a portfolio to a panel of professional illustrators and to mount an exhibit of their works at the end of the semester.

IDS 122.08

PRACTICAL ARTS: BASIC GRAPHIC DESIGN

3 units

This course practices on graphic design primarily for print media, including the basics of visual design, layout, and final art, with manual overlays as the starting point for preparing Make-ready. Exercises and projects cover typography, page layout, and design of posters, newsletters, newspapers, and magazines.

IDS 122.09

PRACTICAL ARTS: PRODUCTION DESIGN

3 units

This course is an introduction to the elements of stage design — set, costumes, and lights — and their execution in the context of a particular production or dramatic text.

IDS 123.03

PERFORMING ARTS: INTRODUCTION TO BALLET

3 units

This course is an overview of ballet from the 1400s to the present. The course studies the development of ballet globally, with emphasis on the Philippines, through video and live performances. It also includes a 12-week studio training on ballet technique.

IDS 123.04

PERFORMING ARTS: INTRODUCTION TO MODERN AND CONTEMPORARY DANCE FORMS

3 units

This course is a historical overview of Western modern dance and its influence on the Philippine cultural and educational milieu. Focus is on selected modern choreographers and their works. The course includes a 10-week studio training on modern techniques, culminating in a modern dance concert.

IDS 123.05

PERFORMING ARTS: INTRODUCTION TO IMPROVISATION AND CHOREOGRAPHY

3 units

This is a dance studio workshop course focusing on progressive modern or contemporary dance technique. It includes an introduction to the elements of improvisation and fundamental choreographic devices. Professional dance performances (live and video) are viewed. A dance recital featuring students' work-in-progress concludes the workshop.

IDS 123.13

PERFORMING ARTS: HISTORY OF THE THEATER

3 units

This course is an overview of the development of Western theater, its different forms, stages, and dramaturgy. Theater conventions and stage practice are related to representative playwrights from each period.

IDS 123.14

PERFORMING ARTS: THEATRICAL PERFORMANCE: ACTING FOR THE CINEMA

3 units

This is a workshop course on the basic techniques for creating natural, believable performances for television, video and film, including methods of acting and reacting, blocking and business, voice projection, and character focus, as well as approaches to performing in long, medium and close-up shots. Discussions cover the differences between film acting and stage acting, and the ways of handling oneself in auditions, audiovisual presentations, interviews and similar situations.

IDS 124.03

ARCHITECTURE AND PAINTING: INTRODUCTION TO VISUAL ARTS

3 units

This is a beginners' course to increase perception and enjoyment of the visual arts. Focus is on painting; but topics include drawing, graphic arts (line print), and sculpture. Examples are drawn from Western and Asian art, including original works from the Ateneo Art Gallery's collection.

IDS 124.04

ARCHITECTURE AND PAINTING: WESTERN ARCHITECTURE AND PAINTING

3 units

This is a course on our rich heritage of architecture and painting. Architecture is studied with reference to the political, religious, economic, and cultural history of the times. The study of European painting introduces the principles of art such as balance, rhythm, space, and form.

IDS 124.05

ARCHITECTURE AND PAINTING:

INTRODUCTION TO ASIAN VERNACULAR ARCHITECTURE AND ART FORMS

3 units

This beginners' course enhances the understanding and appreciation of Asian vernacular architecture and its related art forms, painting, and sculpture. Examples are drawn from a comparison of vernacular styles of Asian architecture, with emphasis on the Filipino style and its evolution vis-à-vis the arts.

IDS 124.06

ARCHITECTURE AND PAINTING: JAPANESE ART

3 units

This course is an introduction to the development of Japanese arts and its stylistic evolution, with emphasis on the importance of the interrelationship between the development of art and societal factors, such as climatic/geographic, socioeconomic, political, and religious/spiritual.

IDS 124.07

ARCHITECTURE AND PAINTING: CHINESE PAINTING

3 units

This course is an introduction to ink and wash painting. Topics include basic skills in freehand and brush work in Chinese traditional painting of bamboo, plums, orchids, and chrysanthemums. Advanced techniques may be taken up depending on the pace of the class.

IDS 124.08

ARCHITECTURE AND PAINTING: PHILIPPINE PAINTING

3 units

This course discusses Philippine painting from the earliest religious works of the Spanish period to the movements of the 20th century. The course enables students to understand Philippine art within the context of cultural history, and discover the evolving Philippine aesthetic in the visual arts.

IDS 131.03

AREA STUDIES: FOOKIENESE I

3 units

This is a course on basic conversational Fookienese, a dialect which is widely spoken among Chinese in the Philippines. The dialect is useful for business relations with the Chinese-Filipinos. The course is taught using English as the primary medium of instruction.

IDS 131.04

AREA STUDIES: FOOKIENESE II

3 units

This course is a continuation of Fookienese I.

IDS 131.13

AREA STUDIES: HISTORY OF CHINA

3 units

This course discusses major milestones and developments in Chinese history from prehistoric times to the present.

IDS 131.15

AREA STUDIES: CHINESE ART AND SOCIETY

3 units

The course surveys the wide range and variety of the arts and forms of symbolic expressions in China and of the Chinese peoples. It examines the various art forms on several levels and from different perspectives.



IDS 131.19

AREA STUDIES: TRADITIONAL CHINESE MEDICINE

3 units

This course is an introduction to the basic philosophy and principles of Traditional Chinese Medicine (TCM). In the process of learning how the TCM doctor makes a diagnosis and prescribes appropriate treatment, basic skills in acupuncture, herbal medicine, and food therapy are taught.

IDS 131.24

CIVILIZATION AND CULTURE I: AREA STUDIES – AFRO-ASIAN-LATIN-AMERICAN LITERATURE

3 units

This course is an examination of some of the major works of modern African Literature – works by Achebe, Ngugi, Soyinka, etc. – in historical context. An effort is made to highlight historical experiences and literary themes which we ourselves have in common with African peoples.

IDS 131.34

AREA STUDIES: GERMAN POPULAR CULTURE

3 units

This course is a general survey of German culture from the 15th to the 21st centuries. Developments are examined through the multiple influences of history, art, literature, music, film, and food.

IDS 131.43

AREA STUDIES: HISTORY AND ENVIRONMENTAL PRACTICE IN SOUTHEAST ASIA

3 units

This course attempts to construct a more environmentally-centered approach to the history of Southeast Asia by exploring the inter-relationship between society, its intellectual and material development and the physical environment.

IDS 131.44

AREA STUDIES: JAPANESE MUSIC

3 units

This course is an introduction to Japanese music, and its historical, aesthetic, theoretical, technical, and social aspects, including an introduction to the basic theory and methodology of ethno-musicology.

IDS 132.03

HUMANS AND CULTURE: POPULAR SCIENCE I

3 units

This course discusses the history of science from antiquity to modern times. Focus is on the major revolutions and figures (Newton, Einstein, et al) that have shaped science into what it is today. Topics include modern technology (computers, genetic engineering) with emphasis on local science.

IDS 132.04

HUMANS AND CULTURE: POPULAR SCIENCE II

3 units

This is a continuation of Popular Science I.

IDS 132.05

HUMANS AND CULTURE: CULTURAL STUDIES OF TECHNOLOGY (HYPERMEDIA, THE WORLD WIDE WEB, AND THE CONTEMPORARY CRITICAL THEORY AND TECHNOLOGY)

3 units

This is an introductory course on the cultural studies of technology from a global perspective. This course explores the rhizomatics of technology in the history of the present and highlights the multi-linear and non-narrative form of the World Wide Web and other hypermedia technologies.

IDS 132.13

HUMANS AND CULTURE: AN INTRODUCTION TO ISLAM

3 units

This course is a study of basic information on Islam such as the Five Pillars, areas of convergence(s) and divergence(s) between Christianity and Islam, the roots of neo-fundamentalism and a Muslim's response and call for Islamic tolerance (Fetullah Gulen).

IDS 132.23

HUMANS AND CULTURE: THE BUSINESS OF FASHION

3 units

This introductory course to the fashion and clothing business presents the basic concepts and principles of fashion and acquaints the student with the segments of the clothing industry, following the processes through which a product goes.

IDS 133.03

IDEOLOGIES: GENDER RELATIONS

3 units

This course discusses the historically specific forms of relations between women and men in a given society. Topics include gender relations in society, the historical direction of gender relations and the resulting subordination of women, and the connection between gender relations and the economy.

IDS 133.04

IDEOLOGIES: GENDER AND SOCIETY

3 units

This course discusses Philippine issues and their relation to gender and the examination of the responses of men and women (but particularly of women) to these issues. The course aids students in understanding their place in society and the part gender plays in that place.

IDS 133.05

IDEOLOGIES: GENDER, ART, AND SOCIETY

3 units

This course is a study of the significance of interdisciplinarity as a conceptual tool in analyzing issues and problems. The course equips students with some knowledge of the different methods identified with the various disciplines to prepare them for thesis writing.

IDS 133.13

IDEOLOGIES: GENDER AND SOCIETY II: JAPANESE WOMEN

3 units

This course is an introductory course to gender studies, providing the situation of the Japanese women as a case study. The life cycle, household management, employment problems, and other related issues are studied from the comparative viewpoint.

IDS 133.23

IDEOLOGIES: A HISTORY OF DISCOVERY

3 units

There is another side of human history beyond wars and politics — the history of discovery and development. People have struggled for millennia to improve their understanding of the world around them. This course examines a wide range of such historical heroic efforts, from the dawn of civilization to the present.

IDS 134.03

METHODOLOGIES: CREATIVE THINKING AND PRACTICE

3 units

This course highlights the process of innovating interdisciplinary responses to real-life concerns. It challenges students to work collaboratively on identified issues/problems through this process, using

analytical, reflective, and creative thinking skills informed by scholarly approaches in their different fields of discipline. It also trains students to pursue innovative ideas that can be designed for greater applicability and sustainability in specific contexts.

IDS 134.04

METHODOLOGIES: ART IN CONTEXT: PROFESSION AND PRACTICE

3 units

This course examines the various professional practices open to the arts practitioners outside its actual production. Applying basic principles of management theory and practice, students are able to examine the professional skills and knowledge-based tasks that they will need for their internship. These include aspects of curatorship and connoisseurship, genres of art writing, documentation, basic care and maintenance of art, and marketing and promotional strategies (invitations, sponsorship, media releases, etc.) In addition to the completion of assigned written work, students are given the opportunity to apply these skills in a final project which involves mounting an exhibition of works by students enrolled in the introductory painting course.

IDS 134.05

METHODOLOGIES: SEMINAR IN PSYCHOLOGY – PSYCHOLOGY OF LEADERSHIP

3 units

This is a course on the psychology of leadership in organizations. The course develops an understanding of contemporary perspectives on the psychology of leadership, the dynamics of effective leadership in the Philippines, and the attitudes, skills, and behaviors that need to be developed for effective leadership.

IDS 134.07

METHODOLOGIES: AN INTRODUCTION TO FILM AND TELEVISION STUDIES

3 units

This seminar introduces key concepts in the study of cinematic and televisual texts. Readings focus on works that are particularly applicable to Philippine films and television programs. Concepts to be discussed include melodrama, realism, masculinity, liveness, globalization, audience, and spectatorship. Students are required to write a 15-page research paper at the end of the semester.

IDS 135.06

CIVILIZATION AND CULTURE IV: IDEOLOGIES – SONGS OF OURSELVES:  
WRITING BY FILIPINO WOMEN IN ENGLISH

3 units

The course is conceived as a choral presentation of Philippine women's voices as they write about themselves and their worlds. Librettos are drawn from texts of fiction, poetry, and drama originally written in English.

IDS 135.23

CIVILIZATION AND CULTURE III: MAN AND CULTURE – PSYCHOLOGY OF COMMUNICATION

3 units

This course is an introduction to the psychological principles behind the means and dimensions of human communication. The course includes lectures, guest speakers, and exercises in group dynamics.

IDS 135.27

CIVILIZATION AND CULTURE IV: IDEOLOGIES – DREAMWORK AND DREAM ANALYSIS

3 units

This is a course on recording and interpreting dreams, or dream journaling, based on the theories of Stephen LaBerge and Stephen Kaplan-Williams.

IDS 135.55

CIVILIZATION AND CULTURE III: MAN AND CULTURE – ALTERNATIVE EDUCATION

3 units

This course begins with an analysis of the educational system and moves into a study of the principles of alternative education by focusing on the works of Illich and Freire. The theoretical understanding is geared

towards the development of modules. Students are required to create (and later facilitate in Freshmen English classes) modules which utilize alternative education methods. These modules deal with such issues as power relations, Filipino values (i.e., colonial mentality), current socio-political and economic issues (capitalism and socialism), environmental concerns, peace-building, sectoral problems (laborers, farmers, small fisherfolk, tribal communities) and the feminist movement.

IDS 135.63

CIVILIZATION AND CULTURE III: MAN AND CULTURE – PEACE AND DEVELOPMENT

3 units

The course focuses on the cause of conflicts and shows the relationship between human rights and peace and development within national and international contexts.

IDS 135.66

CIVILIZATION AND CULTURE III: MAN AND CULTURE – HUMAN RIGHTS

3 units

Human rights are still the object of numerous conflicts, debates and general confusion. The course attempts to expose the students to the history, significance, and the challenges posed by the concept of human rights.

IDS 135.68

CIVILIZATION AND CULTURE IV: IDEOLOGIES – RELIGION AND POLITICS OF SOUTHEAST ASIA

3 units

This course is a study of the religion and politics of Southeast Asia.

IDS 136.15

CONTEMPORARY ISSUES: MUSLIM-CHRISTIAN DIALOGUE AND COOPERATION  
FOR NATION BUILDING

3 units

The course provides a framework of dialogue within which the ideals and values shared by Christianity and Islam can be applied to nation-building projects.

IDS 136.16

CONTEMPORARY ISSUES: CONFLICT TRANSFORMATION AND PEACE AMONG RELIGIONS

3 units

The course provides a framework for conflict transformation and peace-building among religions. This involves students in a process of awakening to an awareness of religion as a resource for peace rather than a source of conflict, and of reflecting on what is at the heart of the social hostilities involving religion that are coming to the fore in global awareness. Acts of religious extremism and violence are not confined to one particular religion, but are found in most major religions of the world.

IDS 141.03

LITERATURE AND WRITING: WRITING SEMINAR: FICTION

3 units

This course consists of lectures and discussions on the reading and writing of fiction and the point of view of fiction writers.

IDS 141.04

LITERATURE AND WRITING: WRITING WORKSHOP: FICTION

3 units

Using the short story as its focus, the course challenges students' ideas of the short story and shows how capable it is of being shaped to various uses. The short story is also used as a vehicle for exploring voice and tone and material.

IDS 141.05

LITERATURE AND WRITING: WRITING SEMINAR: NON-FICTION

3 units

This is a workshop course expressly designed for young adults who seek self-discovery through the process of personal writing of memories, experiences, and aspirations.

IDS 141.06

LITERATURE AND WRITING: WRITING WORKSHOP: NON-FICTION

3 units

This is a course that involves a limited amount of reading of narrative exercises designed to stimulate direct writing, free writing, conducting workshops and rewriting. Students are also encouraged to tell their own stories in their own way.

IDS 141.07

LITERATURE AND WRITING: WRITING SEMINAR: POETRY

3 units

This course consists of lectures and discussions on the reading and writing of poetry in English and Filipino. Students have the opportunity to write their own poems and reflect on their writing.

IDS 141.08

LITERATURE AND WRITING: WRITING WORKSHOP: POETRY

3 units

This course discusses students' works, in small and large groups, under the guidance of the teacher who is also a poet. Students write new poems and consult the teacher individually. Each student submits a collection of poems at the end of the semester.

IDS 141.09

LITERATURE AND WRITING: WRITING WORKSHOP: DRAMA

3 units

This course discusses students' plays for stage and television and/or the cinema. In small and large groups under the guidance of a teacher who also writes plays. Students consult the teacher individually. Each student submits at least one play at the end of the semester.

IDS 141.13

LITERATURE AND WRITING: INTRODUCTION TO LITERATURE AND CREATIVE WRITING

3 units

This course is a study and appreciation of selected creative and critical texts, e.g., poetry, fiction, drama, non-fiction, practical criticism, and literary translation.

IDS 141.14

LITERATURE AND WRITING: SUMMER WRITING WORKSHOP

3 units

This is a summer writing seminar and workshop that covers all genres. The course includes workshops with well-published and award-winning writers, and culminates in the submission and public reading of the students' new works.

IDS 141.23

LITERATURE AND WRITING: TRANSLATION I

3 units

This course discusses students' literary translations, in small and large groups, under the guidance of a faculty member who is also a translator. Students submit a collection of translations at the end of the semester.

IDS 141.24

LITERATURE AND WRITING: TRANSLATION II

3 units

This course involves lectures and discussion on the practice of translation as well as on a variety of subject matters from the point of view of translators of literature.

IDS 141.25

LITERATURE AND WRITING: PRODUCTION OF TEACHING MATERIALS

3 units

This is a semester's course work in appreciating the poems, stories, novels, essays, and plays of Philippine literature through the audio-visual pleasure of colors, music, the camera, dance, drama, and a medley of many other creative technologies.

IDS 141.26

LITERATURE AND WRITING: THE BOOK

3 units

This course is designed for those with an interest in pursuing publishing, editing, book production and design. It begins with a social history of the book, takes up the terminology of books and book production, and discusses the whole publishing process from manuscript to marketing.

IDS 142.03

LITERATURE AND CULTURE: PHILIPPINE LITERATURE IN SPANISH

3 units

This course studies Philippine writings in Spanish and its authors during the mid-19th century to the early 20th century. It introduces the cultural milieu of Philippine society during this period through Montero y Vidal's *Cuentos Filipinos*, Paterno's *Ninay*, and Gurrea's *Cuentos de Juana*.

IDS 142.04

LITERATURE AND CULTURE: PHILIPPINE LITERATURE IN ENGLISH

3 units

This course looks at Philippine Literature written originally in English from the early 1900s to the present. Considerations include post-colonial and post-patriarchal discourses which demand that Philippine Literature in English be studied in a way that is informed, critical, dynamic, nationalistic, and transcultural.

IDS 142.13

LITERATURE AND CULTURE: ASIAN-AMERICAN LITERATURE

3 units

This is an interdisciplinary course that deals with the historical experiences and literary expressions of Asian groups in the US, notably Chinese, Japanese, and Filipino. Emphasis is on Filipino-American history, and the works of Carlos Bulosan and present-day Filipino-Americans.

IDS 142.14

LITERATURE AND CULTURE: LATIN-AMERICAN LITERATURE

3 units

This course is a study of the history and development of literary and critical texts in Latin America, tracing the social and aesthetic concerns of Latin American countries which shape their literature in relation to others.

IDS 142.15

LITERATURE AND CULTURE: JAPANESE LITERATURE

3 units

This course is a synchronic approach to the study of Japanese literature through the analysis of the patterns of its historical development.

IDS 142.16

LITERATURE AND CULTURE: BRITISH LITERATURE

3 units

This course is a study of the major works of selected authors in British Literature. At the end of the term, students present a seminar paper on British author of their choice, upon consultation with the instructor.

IDS 142.17

LITERATURE AND CULTURE: DRAMATIC REPERTOIRE: AMERICAN DRAMA

3 units

This course is an overview of the transformation of American drama from its beginnings in colonial times to the present, making sense of this historical sense and its diversity in terms of a variety of theoretical perspectives on the theater. Selected plays from the colonial and contemporary periods, with divisions before and after the 1960's, are read and discussed, with attention to the diversity of theatrical productions by American racial and ethnic minorities, Filipino-Americans included.

IDS 142.24

LITERATURE AND CULTURE: TRANSMEDIAL SHAKESPEARE

3 units

This course provides an overview of some of the modes of existence of Shakespeare as both textual artifact and cultural icon. It surveys a selection of Shakespearean incarnations in literary and theatrical traditions but moves outside the scope of conventional Shakespearean media to include music, the visual arts, popular culture, advertising, film, and other digital media. While looking at how Shakespeare as text and image has been reimagined and reinvented in various media, the course emphasizes how the transmedial transaction is never purely aesthetic or merely formalistic but is also subject to complex mediations of cultures and histories.

IDS 142.25

LITERATURE AND CULTURE: MEDIEVAL THEMES IN MODERN LITERATURE

3 units

This course analyzes medieval themes (heroes, quests, exile) in modern literature, with emphasis on how Old English and medieval texts are brought into play in such modern narratives as *The Lord of the Rings* trilogy and T.H. White's *The One and Future King* among others.

IDS 142.33

LITERATURE AND CULTURE: READING THE ROMANCE

3 units

This course studies the elements of romance and an exploration of the ways it has determined/conditioned other texts, from medieval romances to the romantic novel, in Western and Philippine literature. Texts include Arthurian stories, *Ibong Adarna*, the *Mills and Boon* series; films, television, and komiks.

IDS 142.34

LITERATURE AND CULTURE: ROMANTIC LITERATURE

3 units

This course is an intensive study of representative works and authors during the age of Romanticism. Works by Whitman, Dickinson, Melville and Keats are discussed and explored.

IDS 142.43

LITERATURE AND CULTURE: REDEFINING THE NOVEL AS A LITERARY GENRE

3 units

This course consists of: a lecture series on "Theorizing the Novel as a Literary Genre"; a series of workshop sessions to discuss specific "novels," citing the ways by which these works challenge the conventional definitions of the genre; and a major writing activity for the course in which students are grouped into dyads or triads to prepare a ten-page paper analyzing a new novel and presenting this analysis before the class.

IDS 142.53

LITERATURE AND CULTURE: SURVEY OF CHILDREN'S LITERATURE

3 units

This course is a survey of the genres in children's literature: folklore, picture books, fantasy, and realistic fiction. Topics include historical and contemporary influences and concerns in the field, including the state of Children's Literature in the Philippines.

IDS 142.54

LITERATURE AND CULTURE: WRITING FOR CHILDREN

3 units

This is a workshop course for students who wish to create picture books and/or write short fiction for young readers and young adults. Exemplary pieces in children's literature are studied, and issues on writing and audience are discussed.

IDS 142.55

LITERATURE AND CULTURE: SCIENCE FICTION

3 units

This course focuses on its characteristics, its historical development, and its various thematic concerns. This course also problematizes the apparent absence of this genre within Philippine literature by contrasting it with the development of what is now called "future fiction" in the country.

IDS 142.56

LITERATURE AND CULTURE: LITERATURE OF FOOD AND TRAVEL

3 units

Food and travel are of the most common subjects – and metaphors – in all of literature. Through discussion and analysis of assigned readings, students explore the significance of food and travel as emotion, escape, adventure, and discovery. Issues regarding food/travel and gender, food/travel and class, and food/travel and colonialism are also discussed.

IDS 143.03

LITERATURE AND PHILOSOPHY: INTRODUCTION TO AESTHETICS

3 units

This course is an introduction to the elements and principles of the aesthetic experience in the visual arts, performing arts, and literature, as well as an examination of the varieties of aesthetic norms and standards.

IDS 143.04

LITERATURE AND PHILOSOPHY: INTERDISCIPLINARY APPROACHES TO THE ARTS

3 units

This course is an introduction to the relationships that exist among the arts and such disciplines as philosophy, sociology, history, economics, and psychology, among others, as well as the precise ways in which art studies have been enriched by this interaction.

IDS 143.45

LITERATURE AND PHILOSOPHY: THE PROBLEM OF GOD IN EXISTENTIALIST LITERATURE

3 units

This course is a seminar that reads and discusses selected works concerned with the problem of God in 19th and 20th century existentialist writers. In particular, Kierkegaard, Dostoyevsky, Nietzsche, Sartre, and Camus are considered.

IDS 143.46

LITERATURE AND PHILOSOPHY: THEOLOGICAL THEMES IN LITERATURE

3 units

This course studies great theological epics in literature which provide a profound insight into what it means to be a Christian and a human being in the contemporary world. Readings include Dante's *Inferno*, Milton's *Paradise Lost* and *Paradise Regained*, and Goethe's *Faust I* and *II*.

IDS 143.47

LITERATURE AND PHILOSOPHY: GERARD MANLEY HOPKINS

3 units



This course is an in-depth study of the poetry of Gerard Manley Hopkins. Class sessions are devoted to a close reading and detailed analysis of his poems, with particular attention paid to understanding the poems, their poetic technique, their imagery, and their themes.

IDS 145

GREAT BOOKS I: ANCIENT PERIOD

3 units

This is a course on the Epics (Homer, Virgil), the Scriptures (the Bible, the Koran), the Greek dramas (Sophocles, Aeschylus), the Philosophers (Aristotle, Plato), and other enduring masterpieces of the ancient world. The course discusses and explores the ideas embodied in these texts.

IDS 146

GREAT BOOKS II: MIDDLE PERIOD

3 units

This course is the second part of the Great Books series provides insights into the human reality through the reading of books that have endured the test of time. Selections include the works of Dante, Cervantes, Shakespeare, Goethe, Augustine, and Machiavelli, among others.

IDS 147

GREAT BOOKS III: MODERN PERIOD

3 units

This last course of the Great Books series explores traditional concerns of modernity (alienation, fragmentation) and debates on race, gender, class, and the existence of the canon of "great books". Selections from 20th century world literatures include works of Chekhov, Joyce, Garcia-Marquez, and Achebe.

IDS 148

GREAT BOOKS IV: PHILIPPINES

3 units

This is a survey course which examines a number of key texts in several genres, written by Filipinos, which have come out in the last two centuries. The general perspective is historical as the course studies the texts against specific socio-political contexts.

IDS 162.03

MEDIA STUDIES: INTRODUCTION TO POPULAR CULTURE

3 units

This course presents different approaches to reading popular texts in contemporary society. It discusses the textual and contextual aspects of the cultural apparatus in an attempt to present a theory of cultural studies and a practical framework for the critique of popular texts.

IDS 162.04

MEDIA STUDIES: FILM AND THE OTHER ARTS

3 units

This course investigates the multi-dimensional relations between film and the other arts (aside from literature), namely, architecture and the visual arts, the performing arts and the media arts.

IDS 162.05

MEDIA STUDIES: FILM AND DESIGN

3 units

This is a course on vintage and contemporary films of outstanding production design. Focus is on design concepts and historical sources; and the identification and study of stylization and abstraction in design.

IDS 162.13

MEDIA STUDIES: FILIPINO FILM AND SOCIETY

3 units

The course examines the complex relationship between the Filipino feature film and Philippine society – how historical, social, economic, cultural and political forces shape film and how film makes an impact on society. It also looks into the conduct and context of film production and exhibition.

IDS 163.03

CONTEMPORARY ISSUES: NON-VIOLENCE

3 units

This course is an interdisciplinary and experiential approach to the study of nonviolence. The course considers actual violence in our present situation, the theoretical frameworks for nonviolence (theological, philosophical); and the historical experiences with nonviolence (India, South Africa, United States).

IDS 163.04

CONTEMPORARY ISSUES: TOWARDS AND UNDERSTANDING OF COMPLEX SOCIAL PROBLEMS

3 units

This course is about lenses, tools, and attitudes: lenses to understand and parse complex problems into manageable parts, tools to analyze, strategize, and solve them, and attitudes towards life that make our odds at solving these problems better. The course aims to impart lenses from different disciplines (the social sciences, engineering, international relations, liberal arts, culture, guided by the lamps of theology, philosophy, and ethics), tools from actual case studies in the Philippines, and attitudes from biographies of people who have attempted to solve complex social problems and experts who have integrated learning from these lenses, tools, and attitudes.

IDS 163.05

CONTEMPORARY ISSUES: SEMINAR IN ENVIRONMENTAL POLICY AND LAW

3 units

Prerequisite: Any NatSci course

This course gives an overview of the process of environmental decision-making in the Philippines, focusing on the interplay of the natural and social sciences with law in establishing norms and resolving environmental disputes. Students are introduced to a spectrum of approaches to environmental issues.

IDS 163.06

CONTEMPORARY ISSUES: SCIENCE AND RELIGION

3 units

Prerequisites: STS 10, THEO 12, PHILO 11

This course addresses the impact of science and technology on the practice of our faith in the 21st Century. Key topics may include: the Big Bang and God's Existence, Time, Human Life and Personhood, Environment, and Sustainable Development.

IDS 163.13

CONTEMPORARY ISSUES: PSYCHOLOGY AND PERSONAL GROWTH

3 units

This is a survey course on psychology and personal growth, focusing on the Self-Help concept and industry. It includes the development of the humanistic school of psychology and the self-help genre, and an introduction to self-help literature and methods, which include literature reviews, methodological criticism, reflection papers, debates and discussion groups. The course culminates in a creative self-help project.

IDS 163.14

CONTEMPORARY ISSUES: POSITIVE PSYCHOLOGY IN THE FIELD

3 units

This course is a study of the positive aspects of human experience, from the origins of the humanistic movement in psychology, to topics such as well-being, optimism, happiness, self-determination, resilience and hope. Methodology consists of data-gathering and conducting field experiments that are subject matter for group discussions, personal reflection, and creative projects.

IDS 163.15

CONTEMPORARY ISSUES: HUMAN RESOURCE DEVELOPMENT

3 units

This is an introductory course on the essential skills of human resource development and their application in the workplace, focusing on the importance of workplace learning and its contribution to the success of an organization. Topics include learning processes, learning theories, and training and development through the case method. A teamwork approach is used for students' case presentations and training projects.

IDS 163.16

CONTEMPORARY ISSUES: FAMILIES AND THE FUTURE –  
UNDERSTANDING FAMILY ISSUES AND FAMILY DYNAMICS IN THE PHILIPPINE CONTEXT

3 units

Prerequisite: SocSc 11

This course aims to give students a deeper understanding and appreciation of the family and current issues affecting it such as marriage, parenting, separation, the elderly, children, poverty, and changing work patterns. Focus is given to families in the Philippine context in general, and the experiences of the students and their own families in particular.

IDS 163.17

CONTEMPORARY ISSUES: DYNAMICS OF GRIEF AND LOSS IN A FAMILY CONTEXT

3 units

This course examines the grief processes that take place within families as they experience loss. This course explores a variety of factors that facilitate and/or impede the ability to function after loss. The course also takes a look at grief and loss observed in the various regions and provinces in the Philippines.

IDS 163.23

CONTEMPORARY ISSUES: NARRATION AND MEANINGS

3 units

This is a course on re-tellings, stories that echo previous tales but are told by a different author using a different perspective. These new twists on old tales provide a counterpoint to our understanding of the traditional texts and challenge the way we interpret both the old and the new. Materials are taken from across the genres – short story, poetry, novel, and drama – as well as the range of traditional literature and popular fiction to demonstrate the intertextual nature of literature where nothing is ever really original. Throughout the course, students are challenged to take a critical stance toward uncovering how meanings change and expand when perspectives do.

IDS 163.24

CONTEMPORARY ISSUES: BIBLE AS LITERATURE

3 units

Taking the Bible as literature, this course explores some of its enduring imagery: Creation, the Ideal State, the ideal ruler (the shepherd/king), etc., as well as associated theologies: holiness, the reign of God, etc. This course also explores some of the more "secular" texts. Readings are situated in their historical contexts to bring their words and images alive.

IDS 163.25

CONTEMPORARY ISSUES: SAINTS – LIKE AND UNLIKE OURSELVES AND SOCIETY

3 units

This course is a study of the lives of saints in different historical periods, with special emphasis on the Middle Ages. The course focuses on how a historical understanding of holiness is shaped by political status, gender roles, and other social factors, and how it can also subvert popular notions of the self and society.

IDS 164.03

SPORTS DEVELOPMENT: INTRODUCTION TO SPORTS BUSINESS

3 units

This introductory course is designed primarily for students who want to combine their passion for sports with business knowledge. It provides students with the opportunity to apply marketing principles to the area of sports business.

IDS 164.04

SPORTS DEVELOPMENT: SPORTS THERAPY

3 units

This is an introductory course for students who may wish to go into the field of coaching and/or athletic training. The course focuses on injury prevention and immediate care for the most common sports injuries. Basic foundations are also provided for more substantive areas of rehabilitation.

IDS 164.05

SPORTS DEVELOPMENT: SPORTS AND THE ATHLETE – INTERDISCIPLINARY PERSPECTIVES

3 units

This course is an introduction to sports as a field for interdisciplinary studies and critical reflection. As a multi-stakeholder social practice, sports is contested regarding its nature, functions and parameters. Themes discussed and when relevant, applied to the Philippine situation, are: (1) its biological basis including the roles of genetics, gender and training (2) its social value in terms of social and individual good, (3) its commercialization, (4) a philosophy of embodiment, and (5) a spirituality for athletes. Discussions analyze and integrate differing perspectives; for instance, the athlete's body as organism, social presence, commodity, self-identity, and incarnation of the spiritual.

IDS 165

DESIGN AND INNOVATION

3 units

This course focuses on the processes of design, innovation, and collaboration, and how these are applied in finding solutions to real-world problems.

IDS 165.03

DESIGN AND INNOVATION: INEQUALITIES AND INNOVATIONS IN EDUCATION

3 units

This course introduces concepts in and cases of unequal inputs and outcomes in education systems, and how these problems have been addressed through reforms and innovative solutions. It focuses on (i) factors affecting inequalities, (ii) reform movements in the Philippines and other countries, and (iii) innovative solutions and their limitations. In the course, students learn to explain inequalities, analyze education programs, and design innovative solutions.

IDS 165.04

DESIGN AND INNOVATION: CREATIVE AND SPATIAL GEOHUMANITIES

3 units

This course introduces students to GeoHumanities (the rapidly growing zone of creative interaction between geography and humanities) and explores the collaborative work between arts and humanities scholars and those trained in spatial frameworks. Expressions of contemporary art, literature, and images in space, place, and landscape are examined, aided by course materials that include journal articles, literary works, podcasts, and visuals. In this course, students develop a critical “a-where-ness” (Massey and Thrift, 2002), enabling them to analyze spaces in various platforms, critique literature and visuals using geographic rhetoric and grammar, and execute creative and innovative projects about everyday life.

IDS 165.05

DESIGN AND INNOVATION: INTRODUCTION TO THE DEVELOPMENT OF CREATIVE PROJECTS

3 units

The course introduces students into various frameworks and processes of creativity and innovation and taps into their own creative potentials. The students practice these frameworks and processes to allow them to

translate their personal interests into productive outputs. They develop creative projects that combine their personal passions and philosophies with real world opportunities.

IDS 165.06

DESIGN AND INNOVATION: INTERDISCIPLINARY APPROACHES TO CREATIVITY AND INNOVATION

3 units

This workshop course is an incubator for ideas and projects that are the result of the convergence of disciplines. It surveys landmark innovations in different disciplines. The students converse with one another using common concepts across disciplines for them to see how disciplines are altered by one another, and collaborate on projects and through experiments.

IDS 180.03

SPECIAL TOPICS IN PHILIPPINE STUDIES: INTERPLAY –  
PSYCHOLOGY OF INTERPERSONAL COMMUNICATION

3 units

This course is an introduction to the psychological principles behind the means and dimensions of human communication. The course includes lectures, guest speakers, and exercises in group dynamics.

IDS 180.04

SPECIAL TOPICS IN PHILIPPINE STUDIES: THE PSYCHOLOGY OF SMALL GROUPS  
AND INTERPERSONAL COMMUNICATION (AN EXPERIENTIAL APPROACH)

3 units

Prerequisite: SOCS 11

The course introduces students to the principles of psychology behind various dimensions of interpersonal communication in small groups using a process-oriented approach.

IDS 180.05

SPECIAL TOPICS IN PHILIPPINE STUDIES: YOUTH LEADERSHIP FOR ENGAGED CITIZENSHIP

3 units

This course provides students an opportunity to discover their leadership capacity through an understanding of the core leadership pillars discussed in Chris Lowney's *Heroic Leadership*. The key success elements – Self-Awareness, Ingenuity, Love and Heroism – are appropriated to the personal experiences of the students.

IDS 180.13

SPECIAL TOPICS IN PHILIPPINE STUDIES:  
REPRESENTATION OF OTHERNESS IN FILM AND LITERATURE

3 units

This course studies the ways in which the Other has been depicted in two major cultural types – film and literature – and the factors leading to such representations. A number of illustrative films and literary texts are used to illustrate the issues tackled in the course.

IDS 180.14

SPECIAL TOPICS IN PHILIPPINE STUDIES: PHILIPPINE LITERATURE AND FILM

3 units

This is a seminar course on the ways cinema has interpreted various Philippine literary texts.

IDS ` 180.15

SPECIAL TOPICS IN PHILIPPINE STUDIES: GENERIC STUDIES: FILIPINO NOVEL

3 units

This course is a study of the history and development of the novel in Filipino.

IDS 180.16

SPECIAL TOPICS IN PHILIPPINE STUDIES: PHILIPPINE MUSIC AND CULTURE

3 units

The course is a general survey of Philippine music from the indigenous tribes to the Western-influenced lowland Christian communities. It also explores the Philippine Music Culture of the 21st century through the OPM.

IDS 180.23

SPECIAL TOPICS IN PHILIPPINE STUDIES:

IMAG(IN)ING HISTORY: INVENTION, INTERPRETATION, AND NARRATION

3 units

This is a seminar course on the representation of history as image(s). Drawing on history, art history, and cultural studies and referring to critical essays on colonialism, nationalism, and modernity to establish a theoretical framework, the course examines how both marginalized and significant episodes in Philippine history – socio-economic, political, cultural, and racial – have been imagined and/or imaged in the last two centuries.

IDS 180.24

SPECIAL TOPICS IN PHILIPPINE STUDIES: THE WRITINGS OF HORACIO DE LA COSTA, S.J.

3 units

This course examines the various facets of Fr. Horacio de la Costa, S. J., the first Filipino Jesuit provincial, an eminent Filipino historian, and an outstanding scholar whose voluminous writing, across various disciplines, offers a multi-layered series of readings in culture and history. The course lectures focus their attention on different topics that juxtapose Fr. de la Costa and his writing against twentieth century socio-historical movements, his own vocation as a Jesuit priest, and his influence on generations of scholars.

IDS 192

INTRODUCTION TO INTERDISCIPLINARY APPROACHES

3 units

This course is a study of the significance of interdisciplinarity as a conceptual tool in analyzing issues and problems. The course equips students with some knowledge of the different methods identified with the various disciplines to prepare them for thesis writing.

IDS 199.1

SENIOR SEMINAR I

3 units

Prerequisite: IDS 192

This is a course on the fundamentals of research, specifically the methods, tools, and techniques of research with an interdisciplinary orientation. Each student is required to submit a proposal and begin the integration paper under the guidance of a mentor.

IDS 199.2

SENIOR SEMINAR II

3 units

Prerequisite: IDS 199.1

This is a course that helps the student complete, defend, and submit the final form of the senior seminar paper.

# MODERN LANGUAGES

2/F Horacio de la Costa Hall  
(632) 8426-6001 loc. 5350  
[modernlanguages.soh@ateneo.edu](mailto:modernlanguages.soh@ateneo.edu)

The Department of Modern Languages provides the students with the necessary basic and intermediate skills for oral and written communication in Spanish, French, German, Italian, Portuguese, Russian, Bahasa Indonesia, and Korean and acquaints them with the country's history, art and culture as well as to understand and appreciate their own. Its objective is to provide the basic listening, speaking, reading and writing skills to enable students to function in practical situations.

The Department of Modern Languages seeks to be a leading center in Asia for foreign language learning in a rapidly, constantly changing world; and in so being, our students become capable of asserting themselves in the global and local sense. The Department also seeks to form Christian leaders with communication skills to interact and excel in a social, business or professional environment deeply rooted in Philippine culture yet knowledgeable of foreign cultures and affairs through partnerships with other sectors within and outside the Ateneo.

## MINOR IN FRENCH

The Minor Program in French offered by the Department of Modern Languages aims to develop the students' language proficiency to complement their major curriculum thereby transforming them into global citizens and intercultural agents with an understanding of the foreign language and culture and at the same time an appreciation of their own. The Minor Program broadens the students' opportunities for further studies and gives them a more competitive advantage in their future career.

### *Eligibility Requirements*

Open to all undergraduate students of the Loyola Schools. However, AB EU majors who take French as their required European language may credit only up to six (6) units of French language courses towards the Minor. To complete the required 15 units, they will have to enroll in 9 units of any minor subject that is not part of their major curriculum.

### *Minimum Grade Requirement*

Minimum grade of C+ for all minor subjects ("strictly no grade lower than a C+ in all minor subjects even if the student exceeds the required number of units")

Final average of B in all minor subjects.

### *Other Information*

Students who have passed the proficiency exam for the first level will have to take an additional 3 units for them to be qualified for a minor degree.

Only a maximum of three (3) units taken in an internationally linked partner school of Ateneo (e.g. JTA partner schools) can be credited subject to validation by the Modern Languages Department.

Students who have initially failed a minor subject, retaken the minor subject and subsequently received a passing grade of C+ or higher in the minor subject, are disqualified from obtaining a minor degree.

Students who previously withdrew without permission from a minor subject are likewise disqualified from obtaining a minor degree.

Students who have passed the proficiency exam for the first level will have to take an additional 3 units for them to be qualified for a minor degree.

Only a maximum of three (3) units taken in an internationally linked partner school of Ateneo (e.g. JTA partner schools) can be credited subject to validation by the Modern Languages Department.

### *Program Curriculum*

#### Required Courses (12 units)

- FRE 11 Basic French 1 Language and Culture
- FRE 12 Basic French 2 Language and Culture
- FRE 13 Intermediate French
- FRE 14 Advanced French



Any one of the following (3 units)

FRE 15 Advanced French 1

FRE 16 Advanced French 2

FRE 21 Language for Specific Purposes: French

FRE 22 Conversational French

FRE 28 Summer Study Tour to France\*

\*Students who participate in the Study Tour will get 6-unit credit: 3 units for language (FRE 11, 12, 13, 14, 21, or 22) and 3 units for culture (MOD 21.03)

Total Number of Units for the Minor: 15 units

## MINOR IN GERMAN

The Minor Program in German offered by the Department of Modern Languages aims to develop the students' language proficiency to complement their major curriculum thereby transforming them into global citizens and intercultural agents with an understanding of the foreign language and culture and at the same time an appreciation of their own. The Minor Program broadens the students' opportunities for further studies and gives them a more competitive advantage in their future career.

### *Eligibility Requirements*

Open to all undergraduate students of the Loyola Schools. However, AB European Studies majors who take German as their required European language may credit only up to six (6) units of German language courses towards the Minor. To complete the required 15 units, they will have to enroll in 9 units of any minor subject that is not part of their major curriculum.

### *Minimum Grade Requirement*

Minimum grade of C+ for all minor subjects ("strictly no grade lower than a C+ in all minor subjects even if the student exceeds the required number of units")

Final average of B in all minor subjects.

### *Other Information*

Students who have passed the proficiency exam for the first level will have to take an additional 3 units for them to be qualified for a minor degree.

Only a maximum of three (3) units taken in an internationally linked partner school of Ateneo (e.g. JTA partner schools) can be credited subject to validation by the Modern Languages Department.

Students who have initially failed a minor subject, retaken the minor subject and subsequently received a passing grade of C+ or higher in the minor subject, are disqualified from obtaining a minor degree.

Students who previously withdrew without permission from a minor subject are likewise disqualified from obtaining a minor degree.

Students who have passed the proficiency exam for the first level will have to take an additional 3 units for them to be qualified for a minor degree.

Only a maximum of three (3) units taken in an internationally linked partner school of Ateneo (e.g. JTA partner schools) can be credited subject to validation by the Modern Languages Department.

### *Program Curriculum*

#### Required Courses (12 units)

GER 11 Basic German 1 Language and Culture

GER 12 Basic German 2 Language and Culture

GER 13 Intermediate German

GER 14 Advanced German

#### Any one of the following (3 units)

GER 15 Advanced German 1

GER 16 Advanced German 2

GER 21 Language for Specific Purposes: German

GER 22 Conversational German

GER 28 Summer Study Tour to Germany/Austria\*

\*Students who participate in the Study Tour will get 6-unit credit: 3 units for language (GER 11, 12, 13, 14, 21, or 22) and 3 units for culture (MOD 21.03)

Total Number of Units for the Minor: 15 units

### MINOR IN SPANISH

The Minor Program in Spanish offered by the Department of Modern Languages aims to develop the students' language proficiency to complement their major curriculum thereby transforming them into global citizens and intercultural agents with an understanding of the foreign language and culture and at the same time an appreciation of their own. The Minor Program broadens the students' opportunities for further studies and gives them a more competitive advantage in their future career.

#### *Eligibility Requirements*

Open to all LS undergraduate students. However, AB History and AB European Studies majors who take Spanish as their required European language may credit only up to six (6) units of Spanish courses towards the Minor. To complete the required 15 units, they will have to enroll in 9 units of any minor subject that is not part of their major curriculum.

#### *Minimum Grade Requirement*

Minimum grade of C+ for all minor subjects ("strictly no grade lower than a C+ in all minor subjects even if the student exceeds the required number of units")

Final average of B in all minor subjects.

#### *Other Information*

Students who have passed the proficiency exam for the first level will have to take an additional 3 units for them to be qualified for a minor degree.

Only a maximum of three (3) units taken in an internationally linked partner school of Ateneo (e.g. JTA partner schools) can be credited subject to validation by the Modern Languages Department.

Students who have initially failed a minor subject, retaken the minor subject and subsequently received a passing grade of C+ or higher in the minor subject, are disqualified from obtaining a minor degree.

Students who previously withdrew without permission from a minor subject are likewise disqualified from obtaining a minor degree.

Students who have passed the proficiency exam for the first level will have to take an additional 3 units for them to be qualified for a minor degree.

Only a maximum of three (3) units taken in an internationally linked partner school of Ateneo (e.g. JTA partner schools) can be credited subject to validation by the Modern Languages Department.

### *Program Curriculum*

#### Required Courses (12 units)

- SPA 11 Basic Spanish 1 Language and Culture
- SPA 12 Basic Spanish 2 Language and Culture
- SPA 13 Intermediate Spanish
- SPA 14 Advanced Spanish

#### Any one of the following (3 units)

- SPA 15 Advanced Spanish 1
- SPA 16 Advanced Spanish 2
- SPA 21 Language for Specific Purposes: Spanish
- SPA 22 Conversational Spanish
- SPA 28 Summer Study Tour to Spain\*

\*Students who participate in the Study Tour will get 6-unit credit: 3 units for language (SPA 11, 12, 13, 14, 21, or 22) and 3 units for culture (MOD 21.03)

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

FRE 11

BASIC FRENCH 1 LANGUAGE & CULTURE

3 units

This course is an introduction to the different aspects of French language and culture that provides communication skills in practical situations.

FRE 12

BASIC FRENCH 2 LANGUAGE AND CULTURE

3 units

Prerequisite: FRE 11

This course reviews the communicative skills learned in French 1. Written and oral skills are developed through various class activities done in groups, pairs, or sometimes individually. Cultural knowledge is broadened through a discussion of the topics of the lessons and video films.

FRE 13

INTERMEDIATE FRENCH

3 units

Prerequisite: FRE 12

This course begins with a review of basic tenses learned in French 2 and continues with the imperative, the subjunctive, and more advanced grammatical structures. The course increases students' understanding of French culture and introduces them to French contemporary issues and current events.

FRE 14

ADVANCED FRENCH

3 units

Prerequisite: FRE 13

This course begins with a review of the basic tenses and continues with advanced grammatical structure while introducing France in the 20th and 21st centuries. Articles from books, magazines, newspapers, and the internet are used.

FRE 15

ADVANCED FRENCH 1

3 units

Prerequisite: FRE 14

This course corresponds to the first phase of the B1 level of the Common European Framework of Reference for Languages and aims to further hone the student's listening, speaking, reading and writing skills in French. The student's argumentation skills are developed through the use of a wide array of language resources dealing with current socio-political and cultural events and realities. A deep understanding of these aspects of French culture integrated in the use of the language enables the student to become intercultural agents with an awareness of the other and a deeper sense of self.

FRE 16

ADVANCED FRENCH 2

3 units

Prerequisite: FRE 15

This course corresponds to the final phase of the B1 level of the Common European Framework of Reference for Languages and serves to refine the student's listening, speaking, reading and writing skills in French. These four competencies with a focus on the student's argumentation skills are honed further through the use of different platforms and language resources dealing with current socio-political and cultural phenomena. This gives the student a deeper knowledge and understanding of French culture integrated in

the use of the language and thus enables the student to become intercultural agents with an awareness of the other and a deeper sense of self.

FRE 21

LANGUAGE FOR SPECIFIC PURPOSES: FRENCH

3 units

Prerequisite: FRE 13

This course is an exploration of the French business world and language that provides students with adequate terms, guidelines, and skills that enables them to start communicating and interacting in a French business environment.

FRE 22

CONVERSATIONAL FRENCH

3 units

Prerequisite: FRE 13

This course refines the four skills learned in Foreign Language and Culture (FLC) courses in French. More emphasis is given to speaking with accuracy and fluency. With a variety of topics to argue and discuss, students become spontaneous and confident in expressing their ideas and opinions.

FRE 28

SUMMER STUDY TOUR TO FRANCE

6 units

This three- to four-week study tour immerses students in the language and culture of France. Students enroll in a language school at the same time that they live with French families. As a complementary module, cultural activities are given in the afternoons and weekends.

GER 11

BASIC GERMAN 1 LANGUAGE & CULTURE

3 units

This course teaches students communicative competence in German in practical situations and introduces them to German life, art, and culture.

GER 12

BASIC GERMAN 2 LANGUAGE & CULTURE

3 units

Prerequisite: GER 11

This course reviews the communicative skills learned in German 1. Proficiency is developed through the introduction of some social issues. Students develop their skills in narrating, summarizing, reporting, agreeing and disagreeing, giving opinions, and giving commands.

GER 13

INTERMEDIATE GERMAN

3 units

Prerequisite: GER 12

This course refines the language skills learned in German 1 and 2 and continues with the uses of the subjunctive and other more advanced grammatical structures. The course increases students' understanding of German culture and introduces them to contemporary issues and current events.

GER 14

ADVANCED GERMAN

3 units

Prerequisite: GER 13

This course begins with a review of the basic tenses and continues with advanced grammatical structure while introducing Germany in the 20th and 21st centuries. Articles from books, magazines, newspapers, and the internet are used.

GER 15

ADVANCED GERMAN 1

3 units

Prerequisite: GER 14

This course corresponds to the first phase of the B1 level of the Common European Framework of Reference for Languages and aims to further hone the student's listening, speaking, reading and writing skills in German. The student's argumentation skills are developed through the use of a wide array of language resources dealing with current socio-political and cultural events and realities. A deep understanding of these aspects of German culture integrated in the use of the language enables the student to become intercultural agents with an awareness of the other and a deeper sense of self.

GER 16

ADVANCED GERMAN 2

3 units

Prerequisite: GER 15

The course continues to build on the student's acquired language skills and knowledge of basic and intermediate grammatical structures from German 11 to 15 and enables the student to apply these in order to communicate and explain themselves in a variety of situations in a more structured and detailed manner.

GER 21

LANGUAGE FOR SPECIFIC PURPOSES: GERMAN

3 units

Prerequisite: GER 13

This course is an exploration of the German business world and language that provides students with adequate terms, guidelines, and skills that enable them to start communicating and interacting in a German business environment.

GER 22

CONVERSATIONAL GERMAN

3 units

Prerequisite: GER 13

This course refines the four skills learned in Foreign Language and Culture (FLC) courses in German. More emphasis is given to speaking with accuracy and fluency. With a variety of topics to argue and discuss, students become spontaneous and confident in expressing their ideas and opinions.

GER 28

SUMMER STUDY TOUR TO GERMANY/AUSTRIA

6 units

This three- to four-week study tour immerses students in the language and culture of Germany/Austria. Students enroll in a language school at the same time that they live with German/Austrian families. As a complementary module, cultural activities are given in the afternoons and weekends.

INDO 11

BASIC BAHASA INDONESIA 1 LANGUAGE AND CULTURE

3 units

This course teaches students communicative competence in Bahasa Indonesia in practical situations and introduces them to Indonesian life, art, and culture.

INDO 12

BASIC BAHASA INDONESIA 2 LANGUAGE AND CULTURE

3 units

Prerequisite: INDO 11

This is a course on both conversational and written Bahasa Indonesia for students who have taken and studied Bahasa Indonesia 1. Each lesson consists of seven parts: a review, a dialogue, cultural notes, pronunciation, grammatical notes, vocabulary list, and exercises.

INDO 13

INTERMEDIATE BAHASA INDONESIA

3 units

Prerequisite: INDO 12

The course begins with a review of the skills learned in Foreign Language and Culture (FLC) course 2 in Bahasa Indonesia and continues on to intermediate grammatical structures while introducing Indonesia in today's world. More emphasis is given to speaking accuracy and fluency.

INDO 14

ADVANCED BAHASA INDONESIA

3 units

Prerequisite: INDO 13

The course serves as a foundation for the student to consolidate the listening, reading, writing, and speaking skills that he/she acquired in the previous levels to grant him/her access to complex levels of communication in Bahasa Indonesia. The student also receives cultural content related to today's society and the history of Indonesia, which contributes to one's training as an intercultural agent conscious of diversity and of one's self.

ITA 11

BASIC ITALIAN 1 LANGUAGE AND CULTURE

3 units

This course teaches students communicative competence in Italian in practical situations and introduces them to Italian life, art, and culture.

ITA 12

BASIC ITALIAN 2 LANGUAGE AND CULTURE

3 units

Prerequisite: ITA 11

This course reviews the communicative skills learned in Italian 1. Proficiency is developed through the introduction of Italy and Italian speaking groups outside Italy. Students develop their skills in narrating, summarizing, reporting, agreeing and disagreeing, giving opinions, and giving commands.

ITA 13

INTERMEDIATE ITALIAN

3 units

Prerequisite: ITA 12

The course serves as a foundation to consolidate the listening, reading, writing, and speaking skills acquired in the previous levels of communication in Italian. The learners receive cultural content related to today's society and the history of Italy, contributing to their training as intercultural agents conscious of diversity and of themselves.

MOD 21.03

FRENCH POPULAR CULTURE

3 units

This is a course taught in English that gives a general survey of French culture. Developments are examined through the multiple influences of history, art, literature, music, film, and food.

MOD 21.04

GERMAN POPULAR CULTURE

3 units

This is a course taught in English that gives a general survey of German culture. Developments are examined through the multiple influences of history, art, literature, music, film, and food.

MOD 21.09

SPANISH POPULAR CULTURE

3 units

This is a course taught in English that gives an overview of Spanish culture. Developments are examined through the multiple influences of history, art, literature, music, film, and food.

PORT 11

BASIC PORTUGUESE 1 LANGUAGE AND CULTURE

3 units

This course teaches students communicative competence in Portuguese in practical situations and introduces them to Portuguese life, art and culture.

RUSS 11

BASIC RUSSIAN 1 LANGUAGE AND CULTURE

3 units

This course teaches students communicative competence in Russian in practical situations and introduces them to Russian life, art and culture.

RUSS 12

BASIC RUSSIAN 2 LANGUAGE AND CULTURE

3 units

Prerequisite: RUSS 11

This language course continues to strengthen, refine and develop the basic language skills that students have acquired in Russian 1. It increases the students' vocabulary fund and completes their orientation to the Russian case system. It introduces new grammar structures for expressing more complex communicative intentions.

SPA 11

BASIC SPANISH 1 LANGUAGE AND CULTURE

3 units

This is a course that teaches students communicative competence in Spanish in practical situations and introduces them to Hispanic life, art, and culture.

SPA 12

BASIC SPANISH 2 LANGUAGE AND CULTURE

3 units

Prerequisite: SPA 11

This course is a review of communicative skills learned in Spanish 1. Proficiency is developed through discussions on Latin-America. Students develop their skills in narrating, summarizing, reporting, agreeing and disagreeing, giving opinions, and giving commands.

SPA 13

INTERMEDIATE SPANISH

3 units

Prerequisite: SPA 12



This course refines the language skills learned in Spanish 1 and 2 and continues with the uses of the subjunctive and other more advanced grammatical structures. The course increases students' understanding of Spanish culture and introduces them to contemporary issues and current events.

SPA 14

ADVANCED SPANISH

3 units

Prerequisite: SPA 13

This course begins with a review of the basic tenses and continues with advanced grammatical structure while learning more about the Hispanic culture of Spain, Latin America, and the Philippines. Articles from books, magazines, newspapers, and the internet are used.

SPA 15

ADVANCED SPANISH 1

3 units

Prerequisite: SPA 14

This course corresponds to the first phase of the B1 Level of the Common European Framework of References for Languages and aims to further hone the student's listening, speaking, reading and writing skills in Spanish. The student's argumentation skills are developed through the use of a wide array of language resources dealing with socio-political and cultural issues in Spain and the Hispanic World. A deep understanding of these aspects of Spanish and Hispanic culture integrated in the use of the language enables the student to become intercultural agents with an awareness of the other and a deeper sense of self.

SPA 16

ADVANCED SPANISH 2

3 units

Prerequisite: SPA 15

This course corresponds to the second phase of the B1 Level of the Common European Framework of References for Languages and aims to further hone The student's listening, speaking, reading and writing skills in Spanish. The student's argumentation skills are developed through the use of a wide array of language resources dealing with socio-political and cultural issues in Spain and the Hispanic World. A deep understanding of these aspects of Spanish and Hispanic culture integrated in the use of the language enables the student to become intercultural agents with an awareness of the other and a deeper sense of self.

SPA 21

LANGUAGE FOR SPECIFIC PURPOSES: SPANISH

3 units

Prerequisite: SPA 13

This course is an exploration of the Spanish business world and language that provides students with adequate terms, guidelines, and skills that enables them to start communicating and interacting in a Spanish business environment.

SPA 22

CONVERSATIONAL SPANISH

3 units

Prerequisite: SPA 13

This course refines the four skills learned in Foreign Language and Culture (FLC) courses in Spanish. More emphasis is given to speaking with accuracy and fluency. With a variety of topics to argue and discuss, students become spontaneous and confident in expressing their ideas and opinions.

SPA 23

HISTORICAL TRANSLATION IN SPANISH

3 units

Prerequisite: SPA 14

The course, taught in English and Spanish, is an introduction to historical translation. It reviews Spanish grammar and gives an overview of the evolution of the Spanish language. It teaches the techniques and strategies in translating Philippine historical documents from the 17th, 18th, and 19th centuries from Spanish to English.

SPA 28

SUMMER STUDY TOUR TO SPAIN

6 units

This three- to four-week study tour immerses students in the language and culture of Spain. Students enroll in a language school at the same time that they live with Spanish families. As a complementary module, cultural activities are given in the afternoons and weekends.

# PHILOSOPHY

2/F Horacio de la Costa Hall  
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The Philosophy Department seeks to be the department of first choice for philosophy graduate students in the Philippines and a top-tier philosophy department in the ASEAN region.

As part of an educational institution, dedicated to the values of truth, justice, critical thinking, and service to the wider community, mission of the Department is to bring philosophical discourse into the public sphere, that is to say, to cultivate reflective thinking, critical inquiry, and truthful dialogue as our contribution to nation-building and global citizenship.

The Department endeavors to help improve the quality of philosophy teaching in the country; contribute to the development of an academic philosophical culture in the country; make significant scholarly contributions; and, form students who are able to bring their capacity for critical thinking and the values of ethical discourse to their own lives, to various fields of professional engagements, and to the socio-political sphere.

## BACHELOR OF ARTS IN PHILOSOPHY

The AB Philosophy Program seeks to foster in students an understanding of philosophy as the exercise of rational thought addressing perennial questions bearing on human beings, which blends together both a critical and interrogative perspective with an openness to a plurality of living traditions of thought.

### *Program Learning Outcomes*

The AB Philosophy Program aims to enable its students to:

- a) creatively construct arguments and rational justifications in support of their opinions, judgements and actions;
- b) manifest openness and capacity to engage with culturally and historically diverse intellectual traditions, both Western and non-Western;
- c) bring a rigorously critical mode of thinking to bear on a wide array of philosophical schools of thought, and on historical and contemporary responses to philosophical problems;
- d) be capable of entering into dialogue with others, with interlocutors with whom one shares the world if not necessarily the same perspective or tradition; and
- e) be capable, with intellectual humility, of bringing these skills and capacities – rational argumentation, critical thinking, engagement with diversity, and commitment to dialogue – to bear in philosophical research.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	PHILO 21	Logic	3
NatSc 10.01	Natural Science, Lecture	3	PHILO 50	Ancient Western Philosophy	3
NatSc 10.02	Natural Science, Laboratory	1	MATH 10	Mathematics in the Modern World	3
PHILO 20	Introduction to Philosophy	3	THEO 11	Faith, Spirituality, and the Church	3
FLC 11	Foreign Language and Culture 11	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	<b>TOTAL</b>	<b>19(2)</b>		<b>TOTAL</b>	<b>21(2)</b>

<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PHILO 11	Philosophy: The Human Condition	3	PHILO 23	Metaphysics	3
PHILO 22	Aesthetics	3	PHILO 30	Philosophy of Science	3
PHILO 43 (IE 4)	Filipino Philosophy	3	PHILO 40	Indian Philosophy	3
PHILO 51	Medieval Western Philosophy	3	PHILO 52	Modern Western Philosophy	3
ArtAp 10	Art Appreciation	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	SocSc 12	The Contemporary World	3
FLC 12	Foreign Language and Culture 12	3	STS 10	Science, Technology, and Society	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		<b>TOTAL</b>	<b>21(2)</b>
	<b>TOTAL</b>	<b>21(5)</b>			

		THIRD YEAR		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
PHILO 12	Philosophy of Religion	3	PHILO 13 Ethics	3
PHILO 24	Epistemology	3	PHILO 42 Contemporary Asian Philosophy	3
PHILO 41	Chinese Philosophy	3	PHILO 199.1 Methods of Research 1: Thesis Proposal	2
PHILO 53	Contemporary Western Philosophy	3	THEO 13 A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 2 Interdisciplinary Elective 2	3
IE 1	Interdisciplinary Elective 1 – English	3	FREE ELECTIVE Free Elective	3
NSTP 12	National Service Training Program 12	(3)	TOTAL	17(0)
	TOTAL	18(3)		

		FOURTH YEAR		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
PHILO 25	Political Philosophy	3	PHILO 126 Special Questions in Ethics	3
PHILO 31	Philosophy of Language	3	PHILO 190 Seminar on Contemporary Philosophy	3
PHILO 60	Comparative Philosophy (East-West)	3	PHILO 199.2 Methods of Research 2: Thesis Defense	2
PHILO 127	Special Questions in Philosophy	3	DLQ 10 Discerning Life Questions: Towards Leadership and Commitment	3
PHILO 196	Comprehensive Oral Exams	2	IE 3 Interdisciplinary Elective 3	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE Free Elective	3
	TOTAL	17(0)	TOTAL	17(0)

Total Number of Academic Units: 151(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR IN PHILOSOPHY

The Minor Degree in Philosophy is for students who feel that they want to gain the skills of philosophy or engage in philosophical thought while concentrating on other fields of study. These minors are required to take four additional philosophy courses that suit their interests but may also be clustered along cognate subjects like those in the fields of politics and law; applied ethics, society and culture; or culture, art, and literature.

#### *Eligibility Requirement*

The Minor in Philosophy is open to all undergraduate students of the Loyola Schools except AB PH majors.

#### *Admission Requirements*

PHILO 11      Philosophy of the Human Condition

In the new curriculum, PHILO 11 is offered in both the first and second semesters of the sophomore year of LS Students. If, towards the end of his/her freshman year, a student expresses interest in taking a minor in Philosophy, it is suggested that his/her program of study be adjusted so he/she can take PHILO 11 in the first semester of sophomore year.

## *Program Curriculum*

### Required Courses (6 units)

PHILO 12	Philosophy of Religion
PHILO 13	Ethics

### Electives (9 units)

Any three philosophy major and philosophy elective courses **except** the following: PHILO 20 (Introduction to Philosophy), PHILO 196 (Comprehensive Oral Examination), PHILO 199.1 (Methods of Research 1 - Thesis Proposal), and PHILO 199.2 (Methods of Research 2 - Thesis Defense).

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

PHILO 20  
INTRODUCTION TO PHILOSOPHY  
3 units

This course provides a general initiation to philosophy by introducing students, through the guided reading of texts, to various styles of philosophical discourse in the history of philosophy. The course is designed to develop in the students the skills they need to do well in their courses in philosophy: reading primary and secondary texts, listening to lectures and participating in class discussions, note-taking, and taking written and oral exams.

PHILO 21  
LOGIC  
3 units

This course discusses the denotation and connotation of terms, the categorical proposition, immediate inference by deduction and opposition; mediate inference, the categorical and hypothetical syllogisms, fallacies, predicables, induction, argument by analogy, science, and hypothesis.

PHILO 22  
AESTHETICS  
3 units

In this course, texts from antiquity to modernity are used to introduce the student to philosophical aesthetics. Acquainting the student with a broad range of literary and art historical periods, and with art forms from sculpture to photography, the course addresses issues arising from philosophers' reflections on art and beauty, such as: the (im)possibility of objective aesthetic judgment; the essential or bygone place of beauty and representation in art; the primacy of artistic subjectivity or communal convention in the artwork's production; whether the artwork is inevitably political or exists for its own sake.

PHILO 23  
METAPHYSICS  
3 units

This course is an inquiry into the dynamic structure of esse as encroaching on the knower and the transcendent structure of esse: Being as One, True, Good, and Beautiful. It deals with the basic ontological concepts of essence-existence, analogy, identity-change, act-potency, and causality, among others.

PHILO 24  
EPISTEMOLOGY  
3 units

This course is an inquiry into what knowing is, its conditions and principles and modes of justification, and the socio-political dimension of knowledge.

PHILO 25

POLITICAL PHILOSOPHY

3 units

This course is an analysis of basic political concepts – freedom, democracy, justice, authority and power – and their applications to contemporary issues such as private and public sphere, gender, race, postcolonialism, multiculturalism, post-secularism, globalization, populism, and political responsibility over climate change.

PHILO 30

PHILOSOPHY OF SCIENCE

3 units

The course examines the basic components that define science. It situates scientific knowledge among the different ways of knowing that address the various facets of human experience, with a recognition of the knower's social, historical, cultural, and even religious contexts.

PHILO 31

PHILOSOPHY OF LANGUAGE

3 units

This course studies the 20th century development of the analytic philosophy of language, from its beginnings in the logical atomism and theories of signification of Russell and Wittgenstein to the development of ordinary language philosophy and speech act theory.

PHILO 40

INDIAN PHILOSOPHY

3 units

The goal of the course is to gain a critical understanding of Hinduism and Buddhism by textual reflection on the *Vedas*, the *Upanishads*, the *Bhagavad-Gita*, and the teachings of the Buddha. It includes the life and thought of Mahatma Gandhi to show the living influence of Hinduism and Buddhism.

PHILO 41

CHINESE PHILOSOPHY

3 units

The course studies the two predominant schools of ancient China, Confucianism and Taoism, by textual analysis of *The Four Books* (*The Analects*, *The Book of Mencius*, *The Great Learning*, *The Doctrine of the Mean*), the *Tao Te Ching* of Lao Tze, and the Way of Chuang Tze.

PHILO 42

CONTEMPORARY ASIAN PHILOSOPHY

3 units

This is a course on contemporary developments in Asian philosophical traditions such as those of India, China, Japan, and Korea

PHILO 43

FILIPINO PHILOSOPHY

3 units

Ang kursong ito ay isang pagsisiyasat sa kasaysayan ng Pilosopiyang Filipino. Isa itong pagbabalik-tanaw sa iilan sa mga kinikilalang napasimuno ng mga tradisyong pilosopikal sa ating bansa, at kung paano nila binuksan o hinadlangan ang landas tungo sa bagong paraan ng pag-iiisip. Kasama rito ang pagtalakay ng iilan sa mga katutubong konseptong nagpaskilab ng mainit na debate at humubog sa ating kamalayang Filipino.

PHILO 50

ANCIENT WESTERN PHILOSOPHY

3 units

This course is on the beginnings of Western philosophy in ancient Greece beginning with the natural philosophers and the sophists are collectively labelled as the Pre-Socratics, focusing on the three most significant figures in ancient Greek thought: Socrates, Plato, and Aristotle, whose influences extend to various post-Aristotelian schools in the Hellenic and Roman period.

PHILO 51

MEDIEVAL WESTERN PHILOSOPHY

3 units

Prerequisite: PHILO 50

The course introduces the students to the method of the history of ideas, with special focus on Medieval and Renaissance philosophy in the West. It follows the development of ideas from the decline of the Roman Empire until the beginnings of the Renaissance in the 15th century. It trains students to understand thinkers within their historical context as well as in dialogue with contemporary issues.

PHILO 52

MODERN WESTERN PHILOSOPHY

3 units

This course is a survey of some of the canonical texts that have defined modern philosophical thought. It focuses on the metaphysical, epistemological, and moral dimensions of the leading thinkers of the modern period.

PHILO 53

CONTEMPORARY WESTERN PHILOSOPHY

3 units

Prerequisite: PHILO 52

This course studies philosophical movements that have arisen in the West, partly as a response to the legacy of enlightenment thought. It introduces students to key texts and figures of 20th century philosophies, particularly in the Continental tradition, such as existentialism, phenomenology, hermeneutics, critical theory, and poststructuralism.

PHILO 60

COMPARATIVE PHILOSOPHY (EAST-WEST)

3 units

Prerequisites: PHILO 40, PHILO 50

This is a course on comparative study of eastern and western philosophical topics and traditions. It begins with methodological considerations pertaining to the goals and approaches of comparative philosophy, as well as difficulties attending comparative studies of philosophy, and proceeds to focus on specific topics of comparative analysis and reflection.

PHILO 120

PHILOSOPHY OF ART

3 units

This course explores questions on the nature of the aesthetic experience and the making of aesthetic judgment, and those on the work of art, what an artist does, and what artistic genius is. Readings include texts from Plato, Aristotle, Hume, Kant, and Heidegger.

PHILO 125.03

PHILOSOPHY OF SOCIETY

3 units

This course studies the phenomenology of social existence, aspects of human co-existence, ambiguity of social structures, power, the family, education, historical communities, economic-scientific-technological structures, the state, and the problem of violence.



PHILO 125.04

PHILOSOPHY OF THE STATE

3 units

This course studies man as political being and political reality, its nature, immanent finality, and value for man. Focus is on three major contemporary political problems: confrontation of moral systems, conflict between the community's ethos and requirements of technology, and need for a world state.

PHILO 125.05

PHILOSOPHY OF THE FAMILY AND THE STATE

3 units

This course is a critical study of the relation and interdependence of the family and the state in modern times. Practical philosophy and social contract theories are discussed in looking at the family which is a key institution in society.

PHILO 125.06

SOLIDARITY IN MULTI-RATIONAL SOCIETIES

3 units

This is a course on the theories of Max Scheler, Jurgen Habermas, John Rawls, and Mahatma Gandhi. The course discusses how these theories can be used to articulate a philosophy of social solidarity in a world that is multicultural and multi-rational.

PHILO 125.07

PHILOSOPHICAL PERSPECTIVES ON PHILIPPINE SOCIAL THEORY

3 units

This course reflects on the possibility of theorizing on Philippine social reality using the works of Filipino thinkers. It gives its students the opportunity to philosophically engage thinkers who have reflected on the meaning of Philippine society and invites them to formulate their own framework for reading their current reality.

PHILO 126

SPECIAL QUESTIONS IN ETHICS

3 units

The course critically engages a specific topic within normative ethics, applied ethics, or metaethics.

PHILO 126.05

BIOETHICS

3 units

This course explores the bioethical questions, mainly in biomedical ethics and "green" and "red" gene technology. Topics include an overview of bioethics, its different uses in the East and West, the two main ethical theories – Utilitarianism and Kantianism, and the Four Principles in biomedical ethics.

PHILO 126.06

ENVIRONMENTAL ETHICS

3 units

This course discusses environmental issues from an ethical standpoint, focusing on the problem of the human being's relationship with nature.

PHILO 126.07

BUSINESS ETHICS

3 units

This course is a discussion of contemporary moral controversies in business using case studies.

PHILO 127

SPECIAL QUESTIONS IN PHILOSOPHY

3 units

The course focuses on a specific philosophical question through a critical exploration of its meanings and implications.

PHILO 130.03

PHILOSOPHY OF NATURE (COSMOLOGY)

3 units

This course attempts to formulate the adequate definition of nature and its relationship between science and metaphysics. The course culminates in distinguishing natural philosophy from the natural sciences and the discovery of their mutual complementarities.

PHILO 130.04

PHILOSOPHY OF TECHNOLOGY

3 units

This course is a thematic and historical study of philosophical thought on technology. The course provides students with the opportunity to critically engage various approaches to the question of technology, enabling them to assume a critical and reflective stance toward the modern technological revolution.

PHILO 132.03

APPROACHES TO TEACHING PHILOSOPHY

3 units

Prerequisite: any college level philosophy course other than logic

This course is an introduction to theoretical principles and practical tools relevant to teaching philosophy to young people. By the end of this course, the student should be able to discuss the place of philosophy in the curriculum, compare different strategies for evoking philosophical inquiry in the classroom, create and use assessment tools for a philosophy classroom, and draft a basic syllabus and teaching plan for philosophy.

PHILO 133

PHILOSOPHY OF LAW

3 units

This course is a study of classical, modern, and contemporary perspectives on the meaning of law and the ground of legal and legislative practices.

PHILO 133.03

LEGAL THEORY

3 units

This course is an exploration of modern and contemporary theories on the practice of law. It explores the idea of law as it emerges from its realization using the philosophical theoretic apparatuses while engaging the works of legal researches, anthropologists, sociologists, and literary theorists.

PHILO 134.03

CONTEMPORARY ATHEISM

3 units

This course is a survey of the philosophical basis of today's Atheism, including an inquiry into its background, main trends, and particular orientations.

PHILO 140.03

MODERN INDIAN THOUGHT

3 units

This course is a survey of the six orthodox systems of Indian philosophy and a study of the philosophies of Sri Aurobindo, Sarvepalli Radhakrishnan, and Mahatma Gandhi.

PHILO 141.03

MODERN CHINESE THOUGHT

3 units

This course is a survey of Neo-Daoism and Neo-Confucianism as well as the philosophies of China in the 19th and 20th centuries.

PHILO 144  
BUDDHIST THOUGHT  
3 units

This course is an introduction to classical Buddhism, focusing on *The Dhammapada*, and a survey of the historical development of Buddhism — Theravada, Mahayana, Ch'an, Tibetan, and Zen Buddhism.

PHILO 144.03  
BUDDHIST PSYCHOLOGY  
3 units

This is a course in Buddhist Philosophy that focuses on Buddhist psychology. It introduces central categories such as sensation (*samvedana*), perception (*sanjana*), and cognition (*pajanana*), and the Buddhist perspective on personality (*svayatta*). It examines emotions (*cittavega*) and addresses the question of how to control them.

PHILO 145  
ISLAMIC THOUGHT  
3 units

This course surveys the different strands of Islamic thought emerging from the beginning of Islam to the 12th century. The course begins with an appreciation of the nature of Islamic philosophy and follows its development in the work of al-Razi, al-Kindi, Ibn Sina, al-Ghazali, al-Suhrawardi, and Ibn Rushd.

PHILO 145.03  
DAOISM AND ZEN BUDDHISM  
3 units

This course explores two Asian philosophical traditions that have influenced much of the thinking and way of life in China and Japan and even beyond. The course delves into the Ancient question of the meaning of Dao through a study of two texts of Daoist philosophy — *Daodejing* and *Zhuangzi*.

PHILO 146  
DAOIST PHILOSOPHY  
3 units

This course studies the key principles of *dao-de* using two major Daoist texts — *Daodejing* and *Zhuangzi* — thereby opening the way for an appreciation of a manner of being human as *wei ziran*.

PHILO 147  
JAPANESE PHILOSOPHY  
3 units

This course discusses the philosophies that emerged from the Kamakura period to the contemporary period, including in-depth analyses of the key originating figures, Dōgen and Shinran, and to the Kyoto School of Philosophy, a school that has risen to global importance for contemporary philosophers.

PHILO 150.03  
PRE-SOCRATICS  
3 units

This is a course on the beginnings of Western philosophy, exploring the speculations of these earliest thinkers. It begins with the metaphysical contributions of the early Ionians and the Pythagoreans, of Heraclitus' aphorisms, of Parmenides' song, and ends with the humanistic assertions of the Sophists.

PHILO 150.04  
PLATO  
3 units

This course discusses the Socratic dialogues. Topics include the significance of the dialogues as a literary and philosophical form, the role of myth and symbol in Plato's thought, the moral-social-political problematic of Socrates, language and the creation of the polis, and the image of man.

PHILO 150.05

THERAPIES OF THE SELF (HELLENISTIC PHILOSOPHY)

3 units

This course studies the earlier period of philosophy when it understood itself as a practical and compassionate attempt to help humanity attain a greater measure of flourishing, particularly the Hellenistic philosophical schools in Greece and Rome – the Epicureans, Skeptics, Stoics, and Cynics.

PHILO 150.06

NEOPLATONISM

3 units

This course is a survey of the philosophical systems of Plotinus, Denys, John Scottus Eruigena, and Marsilio Ficino.

PHILO 151.03

NICHOLAS OF CUSA

3 units

This is a course that offers a close reading of Nicholas of Cusa's corpus, showing how his philosophical insights have an inherent political critique.

PHILO 152.04

SPINOZA

3 units

This course studies one of the most influential philosophers of early modernity, Benedict Spinoza, focusing on his radical understanding of God, the world, and human beings as presented in his principal philosophic work, *Ethics*.

PHILO 152.05

KANT

3 units

This course is a survey of the major insights of Immanuel Kant. Focus is on the three *Critiques*, which show his attempts to answer questions concerning human knowledge and its limits, as well as those concerning universal morality.

PHILO 152.06

HEGEL

3 units

This course is a study of the philosophy of G.W.F. Hegel through an analysis of a selection of primary texts.

PHILO 153

CONTEMPORARY CRISIS OF REASON

3 units

This course discusses the tension between the classical ideal of reason and modern scientific ideal from a philosophic point of view.

PHILO 154.03

KIERKEGAARD

3 units

This course is a study of the works of Søren Kierkegaard.

PHILO 154.04

MARX

3 units

This course discusses the major works of Karl Marx, tracing the roots of his critical philosophy. It presents the major themes of his social and economic critique and its relation to his early reflections on the task of philosophy and the meaning of human existence.

PHILO 154.05

NIETZSCHE

3 units

This course studies the major themes in the philosophy of Friedrich Nietzsche. It traces their development and seeks to understand why his works are such a major influence on some of the most important philosophers of the 20th century like Heidegger, Derrida, and Foucault.

PHILO 154.06

WITTGENSTEIN

3 units

This course studies Wittgenstein's *Philosophical Investigations* (1953) which became the cryptic and much disputed "bible" of the third "school" of linguistic philosophy.

PHILO 154.07

HEIDEGGER

3 units

This course is a study of the works of Martin Heidegger.

PHILO 154.09

SCHELER

3 units

This course explores the major works of Max Scheler. The course traces the development of his thought from the Catholic work to the sociology of knowledge, and demonstrates how his main themes center on his desire to articulate the meaning of genuine human existence.

PHILO 154.10

ARENDT

3 units

The course is a study of Hannah Arendt's political thought. Focus is on *The Human Condition* and *Between Past and Future*. The course examines her reflections on the meaning of politics and power.

PHILO 154.13

LEVINAS

3 units

This course studies the philosophy of Emmanuel Levinas, who regarded ethics as the foundation of philosophy. It shows how responsibility for the one leads to justice for the many.

PHILO 154.14

FOUCAULT

3 units

This course is a study of the thought of Michel Foucault and its importance in current debates in sociology, political science, and philosophy. It argues, from an interdisciplinary perspective, that one of the keys to understanding Foucault is his political thought.

PHILO 154.15

RICOEUR

3 units

This course is a study of Ricoeur's theory of interpretation and Texts. It shows the importance of Narratives in our lives, and tackles the related themes of Identity, Memory, History, Forgetting, and Forgiving.

PHILO 154.16

RORTY

3 units

This course is a study of the pragmatic philosophy of Richard Rorty whose thoughts on the radical re-thinking of traditional or mainstream philosophy on culture, and especially on his modest vision of solidarity has excited and continues to excite much interest not only in the U.S. and Continental Europe but also in Asia. The course begins with a background discussion of Rorty's portrayal of philosophy as a "mirror of nature" and his critique of it, followed by his conception of pragmatic rationality, and culminates with a discussion of his vision of parochial or ethnocentric solidarity.

PHILO 155.06

CRITICAL THEORY

3 units

This course is an analysis of pathological distortions in social life from the perspective of repression and communicative rationality.

PHILO 155.07

POSTMODERNISM

3 units

This course is a discussion on the deconstructive turn in contemporary philosophy.

PHILO 155.08

PHILOSOPHY OF WOMAN

3 units

The course is an introduction to feminist philosophy.

PHILO 170

SCIENCE AND RELIGION

3 units

This is a course on the major issues in the debate between science and religion, their place in society, and their possible fruitful engagement. It explores the thoughts of major thinkers from the fields of philosophy, science, and religious studies.

PHILO 171

LITERATURE AND PHILOSOPHY

3 units

This course is a literary approach to philosophy and a philosophical approach to literature.

PHILO 171.03

THE PROBLEM OF GOD IN EXISTENTIALIST LITERATURE

3 units

This is a course focusing on selected 19th and 20th century existential texts concerned with the problem of God, in particular, works by Kierkegaard, Dostoyevsky, Nietzsche, Camus, and Sartre.

PHILO 171.041

THE METAPHYSICS AND ETHICS OF ELFLAND I

3 units

This course is a reflection on some of the philosophical issues raised in the classics of English high fantasy during the Victorian era: the unity of the transcendentals — Being, Good, True, One, Beautiful — the foundational mediation of the imagination, the primordial opening to the Transcendent.

PHILO 171.042

THE METAPHYSICS AND ETHICS OF ELFLAND II

3 units

This course is a reflection on the works of the Inklings: Charles Williams, C.S. Lewis, and J.R.R. Tolkien. It

discusses the notions of secondary creation, romantic love, and Sehnsucht as hypothetical responses to the three Kantian questions on knowing, acting, and hoping.

PHILO 172  
PHILOSOPHY AND FILM  
3 units

This course discusses film as a way of introducing philosophical ideas and philosophical perspectives in the analysis of films.

PHILO 180  
PHILOSOPHY OF WORK  
3 units

This course is a discussion of work as a collaboration of persons in transforming nature's meaning and finality; the changes brought about by modern technology; and the problems these changes pose concerning the meaning, value, and finality of modern work.

PHILO 181  
PHILOSOPHY OF HISTORY  
3 units

This course is a study of the cyclic and vectorial viewpoints of persons as historical beings, with a discussion on the meaning of the vectorial viewpoint for the Philippines as a society-in-transition.

PHILO 182  
PHILOSOPHY OF SPACE  
3 units

The course considers how human existence is determined by space and place, and how rethinking our state of locatedness opens up potentialities for dwelling. In *Being and Time* (1927), Heidegger displaces traditional philosophical determinations of space as – objective, geometrical, measurable and uniform – extension. Heidegger's phenomenological method reveals our originary experience of space as "nearness" to and "farness" from functional everyday objects, organized within places whose coherence constitutes our sense of living in a world. The course concludes by analyzing Heidegger's later treatment of place, earth and dwelling, and the legacy of his work in subsequent twentieth century thinkers.

PHILO 182.03  
PHILOSOPHY OF THE CITY  
3 units

This course is a reflection on and a critical engagement with the various possible meanings of the city, in particular the modern Philippine city. Applying the optics of phenomenology, hermeneutics, and deconstruction, in dialogue with literature, film, political science, sociology, and anthropology, the course leads the participants in understanding the various rationalities at work within the city, its conceptual and experiential meaning, its dangers, as well as its promise. It includes an actual engagement in the cultural heritage and life-world of the place we call the city.

PHILO 182.04  
THE MEDIEVAL CITY  
3 units

This course is an introduction to the politics and aesthetics of medieval European cities. Focus is on the socio-political development of these cities and their forms of government and culture. Actual political practices are compared with the ideas of famous texts on medieval political philosophy.

PHILO 183  
PHILOSOPHY OF CULTURE  
3 units

This course discusses the role of philosophy in cultural processes, and the influence of culture in the historical development of philosophy.

PHILO 183.03

INTANGIBLE HERITAGE: ORALITY, MEMORY, CREATIVITY

3 units

This course thinks of the task of recovering and preserving the sources of the dynamism of the Filipino self and its heritage. An interface between philosophy, sociology, and anthropology, the course critically appreciates Filipino heritage and draws from it the meaning of culture and its products.

SEMINAR ON CONTEMPORARY PHILOSOPHY

3 units

The seminar course critically examines current issues, themes, debates, and figures in contemporary philosophy. The course highlights recurring and emerging philosophical topics in the contemporary world.

PHILO 196

COMPREHENSIVE ORAL EXAMINATION

2 units

Prerequisites: PHILO 40, 41, 42, 50, 51, 52, and 53

This course is the second of a series of integrative courses for the AB Philosophy Program. It is a seminar designed for the review and integration of the different systematic and historical courses taken by the student through the course of the Program. The final requirement is a comprehensive oral examination.

PHILO 199.1

METHODS OF RESEARCH 1: THESIS PROPOSAL

2 units

This course is the first of a series of integrative courses for the AB Philosophy Program. It is an introduction to philosophical research. It guides students in identifying philosophical issues, formulating research questions, undertake a literature review, and draft an argument outline in view of writing an undergraduate thesis in philosophy. The final output for the course is a thesis proposal.

PHILO 199.2

METHODS OF RESEARCH 2: THESIS DEFENSE

2 units

Prerequisite: PHILO 199.1

This course is the last of a series of integrative courses for the AB Philosophy Program. It guides the student towards the completion of an undergraduate thesis in Philosophy, which is to be publicly defended towards the end of the term.



# THEOLOGY

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(632) 8426-6001 loc. 5370  
[theology.soh@ateneo.edu](mailto:theology.soh@ateneo.edu)

The Theology Department is a committed community of scholar educators who manifest excellence in teaching, research, and service for the development of theological reflection in the life and mission of the Ateneo community, Philippine society, and the Catholic Church in the Philippines and Asia.

As a community of scholar-educators within a Filipino, Catholic, Jesuit University, the Department strives to advance the mission and goals of the Ateneo; to provide an essential dimension of the holistic and life-long formation of lay students and professionals through critical, dialogical, and inculturated theological reflection; to form students whose encounter with Christ animates their desire to serve both the Church and society with respect for the human person and a Christian vision of integral human development; and, to pursue innovative and relevant research for the benefit of our publics, i.e., the academe, the Church, and society, paying particular attention to our Philippine and Asian contexts through theological reflection and lending a prophetic voice to the issues confronting the nation and region.

## COURSE OFFERINGS

### THEO 21

#### INTRODUCTION TO BIBLICAL INTERPRETATION

Prerequisite: THEO 12

3 units

This course is an introduction to the world of Biblical interpretation. Students read selected Old and New Testament texts and engage literary, historical and source critical, political, feminist, and spiritual interpretations and studies by a range of authors – ancient, modern and contemporary; and Jewish and Christian.

### THEO 21.05

#### SCRIPTURE AS SAVING/REDEEMING LITERATURE

3 units

This is a course on how to read, study, and pray sacred Scripture, “performing” the truth that Scripture is truly the soul of personal theological reflecting and of theology itself.

### THEO 22

#### INTRODUCTION TO THE OLD TESTAMENT

3 units

This course deals with the inspiration and truth of Holy Scripture, the literary forms of the first eleven chapters of Genesis, the history of Israel from the Patriarchs and Exodus to the Monarchy and exile.

### THEO 23

#### INTRODUCTION TO THE NEW TESTAMENT

3 units

This is a survey course of the New Testament literature, which includes an overview of the background of the period, key New Testament themes and concepts, and principles of Biblical interpretation. Students are expected to read the text, especially the Synoptic gospels, Acts, selected epistles of Paul, and John. Efforts are made to appreciate the intentions and point of view of the authors of the texts studied.

### THEO 71

#### CONTEMPORARY TOPICS IN THEOLOGY

3 units

This course serves as the umbrella category for all new courses in theology dealing with contemporary topics. Following Vatican II’s lead in reading the “signs of the times,” these courses engage the modern world and emerging trends both in theology as well as culture.

### THEO 71.03

#### RELIGION AND SCIENCE: CONFLICT OR DIALOGUE?

3 units

Prerequisite: THEO 12 and STS 10 (for non-science majors) or any basic science course for science majors

This course is a historical survey of the relationship between Christianity and modern science, from the medieval era to the birth of modern science down to the present century, focusing on dialogue and integration between them to form a holistic understanding of the world and humanity.

### THEO 71.06

#### CHURCH AND CULTURE: CONTEMPORARY ISSUES IN CHRISTOLOGY, MORALITY AND LITURGY

3 units

This is a seminar course on the more contemporary and controversial doctrinal, moral, and liturgical issues facing the Catholic Church today, including historical Jesus studies, issues in sexual ethics, liturgical adaptation and spirituality, and many other questions confronting Church life and mission today.

THEO 72.03

FACING THE CHALLENGES OF LIVING A MORAL LIFE TODAY

3 units

This course studies the relationship between evangelization and morality, allowing the Gospel to permeate into every area of life and human concern, focusing on social ethics, bio-ethics and sexual ethics, and fundamental moral theology.

THEO 73.03

THEOLOGICAL PERSPECTIVES: A VISION FOR CHRISTIANITY  
ACCORDING TO THE WORLD OF FANTASY LITERATURE

3 units

Prerequisite: THEO 11

This course explores the worlds of Fantasy Literature through a theological perspective on Creation, Christology and Eschatology, grounded in the Catholic tradition. The course explores C.S. Lewis, *The Chronicles of Narnia* and J.R.R. Tolkien's *The Lord of the Rings* trilogy.

THEO 73.04

CONTEMPORARY TOPICS IN THEOLOGY: GAME OF THRONES

3 units

Historically, this course delves into the many historical parallels with *Game of Thrones*' geography, social structures, warfare, religion, characters, and events. Theologically, the course investigates topics like divinity, revelation, metaphysics, ethics, freedom, and conscience through the prism of events and characters from the series.

THEO 82

ISLAM: MYTHS AND REALITY

3 units

This is an introductory course on Islam with emphasis on its historicity in the Arabian context, and its subsequent impact on Western civilization.

THEO 92

FINDING GOD IN THE DARK: CINEMA AND SPIRITUAL EXERCISES OF ST. IGNATIUS OF LOYOLA

3 units

This course introduces film watching from the perspective of the Catholic faith and through the lens of the Spiritual Exercises of St. Ignatius of Loyola. It introduces the students to the rich heritage of a tradition called the Catholic Imagination in the cinematic arts.

JOHN GOKONGWEI  
SCHOOL *of* MANAGEMENT

Dr. Luis F. Dumlao  
*Dean*

## BACHELOR OF SCIENCE IN MANAGEMENT

The BS Management program is the largest program of the Ateneo de Manila University. The program is devoted to developing the next generation of high-impact entrepreneurs by giving students not just the theoretical frameworks but also the practical business experience that will maximize the potential of their business' success. This is done by creating a curriculum that highly focuses on the entrepreneurial and experiential courses that will expose students to every functional area of business that is needed for one to create his/her own business enterprise.

### *Program Learning Outcomes*

The Management Program will abide by the program outcomes stated in CHED CMO 18, Series of 2017.

As a member of the John Gokongwei School of Management, the Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Management Program has the following additional Program outcomes.

Based on the Policies, Standards, and Guidelines of the BS Entrepreneurship program, the program outcomes of BS Management are as follows (within 2 to 5 years):

1. Graduates should be able to set up a business
2. Manage and operate a business
3. Assume managerial position in the field Business Development, Corporate Planning, and other related positions in the corporate or public organizations or non-government organizations

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LAS 50	Entrepreneurial Mindset	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 10	Mathematics in the Modern World	3	MATH 30.14	Applied Calculus for Business and Economics II	3
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
				TOTAL	19(2)

**SECOND YEAR**

<u>Interession</u>		<u>Units</u>
IT ELECTIVE	IT Elective	3
HISTO 12	Readings in Philippine History	3
	<b>TOTAL</b>	<b>6(0)</b>

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ACCT 115	Financial Accounting	3	ACCT 122	Cost Accounting	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3	DECSC 25	Creative Thinking and Innovation Management	3
LLAW 111	Business Law and Taxation	3	LAS 111	Strategic Human Resource Management	3
ArtAp 10	Art Appreciation	3	STATISTICS ELECTIVE	Statistics Elective	3
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
IE 1	Interdisciplinary Elective 1 – English	3	STS 10	Science, Technology, and Society	3
PHYED 3	Physical Education 3	(2)	THEO 12	Theology of the Catholic Social Vision	3
	<b>TOTAL</b>	<b>18(2)</b>	NSTP 11	National Service Training Program 11	<b>(3)</b>
			PHYED 4	Physical Education 4	<b>(2)</b>
			<b>TOTAL</b>	<b>TOTAL</b>	<b>21(5)</b>

**THIRD YEAR**

<u>Interession</u>		<u>Units</u>
FLC 11	Foreign Language and Culture 11	3
IE 2	Interdisciplinary Elective 2	3
	<b>TOTAL</b>	<b>6(0)</b>

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
FINN 117	Entrepreneurial Finance	3	LAS 120	Strategic Management	3
MKTG 192.03	Marketing Research	3	LAS 140	Sustainability and Social Responsibility	3
OPMAN 120	Production and Operations Management	3	MKTG 111.03	Entrepreneurial Marketing	3
PHILO 12	Philosophy of Religion	3	MKTG 145	Business Plan Implementation 1: Product Development and Market Analysis	5
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	<b>TOTAL</b>	<b>TOTAL</b>	<b>17(0)</b>
NSTP 12	National Service Training Program 12	(3)			
	<b>TOTAL</b>	<b>18(3)</b>			

**FOURTH YEAR**

<u>Interession</u>		<u>Units</u>
ECON 110	Principles of Economics	3
IE 3	Interdisciplinary Elective 3	3
	<b>TOTAL</b>	<b>6(0)</b>

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
LAS 121	Entrep Series 2: Business Plan Development	3	LAS 122	Entrep Series 3: Business Plan Implementation	5
LAS 123	International Business and Trade	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
LLAW 116	Labor Law and Social Legislation	3	MAJOR ELECTIVE	Major Elective	3

MAJOR ELECTIVE	Major Elective	3	MAJOR ELECTIVE	Major Elective	3
MAJOR ELECTIVE	Major Elective	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	20(0)

Total Number of Academic Units: 167(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN MANAGEMENT (HONORS PROGRAM)

The Management Honors Program is an honors program that combines the Ateneo’s traditional strength in the liberal arts with a strong foundation in business management and the decision sciences to create a curriculum that prepares students to meet the challenges of leading modern, information and technology-intensive organizations. Courses cover all the functional areas of business and management, with a special focus on Entrepreneurship.

The program also allows students to take electives to gain further knowledge and skill in topics of personal interest. Management Honors students must hurdle rigorous academic standards in order to complete the program. Student performance is evaluated semester-per-semester basis to determine compliance with strict retention requirements. The program produces highly motivated graduates who are holistic in their world view, highly analytical in their decision making, and prepared to assume leadership roles in the workplace.

### *Program Learning Outcomes*

As a Center of Excellence for Entrepreneurship, the Management Honors Program will abide by the program outcomes stated in pages 3-4 of the CHED CMO 18, Series of 2017.

As a member of the John Gokongwei School of Management, the Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Management Program has the following additional Program outcomes.

Based on the Policies, Standards, and Guidelines of the BS Entrepreneurship program, the program outcomes of BS Management are as follows (within 2 to 5 years):

- 1. Graduates should be able to set up a business
- 2. Manage and operate a business

3. Assume managerial position in the field Business Development, Corporate Planning, and other related positions in the corporate or public organizations or non-government organizations

#### FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LAS 50	Entrepreneurial Mindset	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 10	Mathematics in the Modern World	3	MATH 30.14	Applied Calculus for Business and Economics II	3
NatSc 10.01	Natural Science, Lecture	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	19(2)		TOTAL	21(2)

#### SECOND YEAR

<u>Intersession</u>		<u>Units</u>
ITMGT 25	Information Technology Application Programming	3
MANAGEMENT ELECTIVE	Management Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	ACCT 122	Cost Accounting	3
LLAW 111	Business Law and Taxation	3	LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3
DECSC 25	Creative Thinking and Innovation Management	3	LAS 111	Strategic Human Resource Management	3
ArtAp 10	Art Appreciation	3	STATISTICS ELECTIVE	Statistics Elective	3
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	STS 10	Science, Technology, and Society	3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	21(2)	PHYED 4	Physical Education 4	(2)
				TOTAL	21(5)

#### THIRD YEAR

<u>Intersession</u>		<u>Units</u>
ECON 110	Principles of Economics	3
MANAGEMENT ELECTIVE	Management Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FINN 117	Entrepreneurial Finance	3	LAS 120	Strategic Management	3
MKTG 192.03	Marketing Research	3	MKTG 111.03	Entrepreneurial Marketing	3



OPMAN 120	Production and Operations Management	3	MKTG 145	Business Plan Implementation 1: Product Development and Market Analysis	5
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	SocSc 14	Politics, Governance, and Citizenship	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		20(0)
	TOTAL	18(3)			

#### FOURTH YEAR

<b><u>Interession</u></b>		<b><u>Units</u></b>	
LAS 197.20	Work Practicum	3	
	TOTAL	3(0)	

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
FINN 150	Advanced Corporate Finance	3	LAS 122	Entrep Series 3: Business Plan Implementation	5
LAS 121	Entrep Series 2: Business Plan Development	3	LAS 123	International Business and Trade	3
LAS 130	Leadership in the 21st Century	3	MKTG 125	International Marketing	3
LAS 140	Sustainability and Social Responsibility	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
LLAW 116	Labor Law and Social Legislation	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
MANAGEMENT ELECTIVE	Management Elective	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3	TOTAL		20(0)
	TOTAL	21(0)			

Total Number of Academic Units: 176(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN MANAGEMENT ENGINEERING

The Management Engineering, or M.E., program of the John Gokongwei School of Management is one of the most prestigious undergraduate degree programs of the Ateneo de Manila.

This honor's program combines the Ateneo's traditional strength in the liberal arts with a strong foundation in business management and the decision science to create a curriculum that prepares students to meet the challenges of leading modern information and technology intensive organizations. The business course covers all the functional areas of business and management, with special focus on technology, decision science and analytics, systems thinking and the scientific approach to problem solving and decision making.

This combination of a liberal arts course and a business management course aims to produce graduates who have a holistic and global view, are capable of data-driven and analytical decision making and are prepared to assume leadership roles in the workplace.

### *Program Learning Outcomes*

As a Center of Excellence for Business Administration, the Management Engineering Program will abide by the program outcomes stated in pages 6-7 of the CHED CMO 17, Series of 2017.

A graduate of the Management Engineering program should be able to...

1. Develop a global perspective for use in nation building
2. Use interdisciplinary, analytical, and sustainable approaches to solving business problems
3. Use interdisciplinary, analytical, and sustainable approaches in creating innovative business models
4. Develop technical proficiency in their areas of business concentration or major
  - a. Assess management functions of an organization in an actual or simulated environment
  - b. Make use of a systems thinking approach in analyzing and understanding business problems
  - c. Formulate solutions to business problems using various quantitative techniques
  - d. Adopt a data driven approach with the help of information technology for effective managerial decision making
  - e. Apply soft skills related to working effectively in groups to achieve desired goals
5. Show an understanding of how to exercise personal moral and ethical standards
6. Demonstrate an understanding of transformative service leadership principles

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
LAS 21	Principles of Management	3	DECSC 22/23	Introduction to Decision Making and Management Science / Introduction to Decision Making and Decision Science	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 10	Mathematics in the Modern World	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PHYED 1	Physical Education 1	(2)	THEO 11	Faith, Spirituality, and the Church	3
	TOTAL	18(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
			PHYED 2	Physical Education 2	(2)
				TOTAL	22(2)
 <b>SECOND YEAR</b>					
<u>Interession</u>		<u>Units</u>			
ITMG 25	Information Technology Application Programming	3			
ArtAp 10	Art Appreciation	3			
	TOTAL	6(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	ACCT 125	Managerial Accounting	3
LLAW 113	Obligations and Contracts	3	ECON 110	Principles of Economics	3
MATH 31.3	Mathematical Analysis II	3	LLAW 115	Law on Taxation	3
HISTO 12	Readings in Philippine History	3	MATH 70.1	Numerical Methods for Science and Engineering	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
STS 10	Science, Technology, and Society	3	FLC 11	Foreign Language and Culture 11	3
THEO 12	Theology of the Catholic Social Vision	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		21(2)
	TOTAL	21(5)			

### THIRD YEAR

<u>Interession</u>		<u>Units</u>
DECSC 25	Creative Thinking and Innovation Management	3
MATH 61.2	Elementary Probability Theory	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ECON 121	Development Economics	3	LAS 111	Strategic Human Resource Management	3
FINN 115	Financial Management	3	MKTG 111	Marketing Management	3
QUANT 121	Applied Statistical Modelling	3	QUANT 163	Advanced Operations Research	3
QUANT 162	Intermediate Operations Research	3	ANALYTICS ELECTIVE	Analytics Elective	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
LAS 123	International Business and Trade	3
QUANT 192	Research Methods and Business Modelling Techniques	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 120	Strategic Management	3	LAS 197.10	Work Practicum	6
LAS 140	Sustainability and Social Responsibility	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
OPMAN 125	Intermediate Production and Operations Management	3	FREE ELECTIVE	Free Elective	3
QUANT 164	Operations Research Modelling Application	3	TOTAL		12(0)
QUANT 199	Thesis/Feasibility Study	3			
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3			
SocSc 14	Politics, Governance, and Citizenship	3			

Total Number of Academic Units: 175(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN MANAGEMENT OF APPLIED CHEMISTRY

BS Management of Applied Chemistry, or MAC, is the first academic program of its kind in the Philippines. It is a combination of two unlikely partners: Management and Chemistry. Launched in 1995, it is designed to develop managers and entrepreneurs for chemistry-based industries: business people with a strong technical background and working familiarity with the chemical processes used in manufacturing operations.

This 4-year program draws together courses from the disciplines of Management and Chemistry to create a science-based entrepreneurship program with a strong hands-on and project orientation. Chemistry is taught from a more applied perspective, and the accompanying laboratory work will focus on more practical approaches.

The Industrial Chemistry course, designed specifically for students enrolled in this program, will expose MAC majors to basic manufacturing processes and operations of chemistry-based industrial concerns, using a combination of lectures and plant visits. Students are also given hands-on experience in the production of a wide range of simple chem-based products, such as paints, essential oils, and food flavorings.

The centerpiece of the program is a sequence of courses that requires students to use market research to identify unfilled product niches in the market, go to the laboratory to design the product that will fill this niche, and then create and execute a business plan to launch and market this new product.

Students who would like to start up their own small-scale manufacturing ventures or work in businesses dealing with chemistry-based products such as pharmaceuticals, processed foods, rubber, personal care products and plastics will benefit from the training provided by this program.

### *Program Learning Outcomes*

As a member of the John Gokongwei School of Management, the Management of Applied Chemistry Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Management of Applied Chemistry Program has the following additional Program outcomes.

A graduate of the Management Applied Chemistry program should be able to...

1. Analyze and identify an unfilled product need in the market
2. Apply knowledge of Chemistry, its foundations and applications in product development
3. Apply knowledge of Management, its tools and applications in business development and management
4. Have an understanding and knowledge of the processes, concerns and challenges of a business entity.

<b>First Semester</b>		<b>FIRST YEAR</b>		<b>Second Semester</b>		<b>Units</b>
		<b>Units</b>				
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters		3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon		3
CHEM 21.11	General Chemistry I, Lecture	3	CHEM 33.51	Applied Quantitative Analysis, Lecture		3
CHEM 21.12	General Chemistry I, Laboratory	2	CHEM 33.52	Applied Quantitative Analysis, Laboratory		2
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I		3
SocSc 11	Understanding the Self	3	MATH 30.14	Applied Calculus for Business and Economics II		3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11		3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12		(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2		(2)
	<b>TOTAL</b>	<b>20(2)</b>		<b>TOTAL</b>		<b>20(2)</b>

<b>Intersession</b>		<b>SECOND YEAR</b>		<b>Units</b>
DECSC 25	Creative Thinking and Innovation Management			3
ITMGT 20	Basic Information Technology Applications in Business			3
HISTO 11	Rizal and the Emergence of the Philippine Nation			3
	<b>TOTAL</b>			<b>9(0)</b>

<b>First Semester</b>		<b>Units</b>		<b>Second Semester</b>		<b>Units</b>
ACCT 115	Financial Accounting	3	ACCT 125	Managerial Accounting		3
CHEM 45.51	Applied Organic Chemistry I, Lecture	3	CHEM 46.5	Applied Organic Chemistry II, Lecture		3
CHEM 45.52	Applied Organic Chemistry I, Laboratory	2	LLAW 116	Labor Law and Social Legislation		3
LLAW 113	Obligations and Contracts	3	QUANT 30	Applied Statistics: Tools and Applications		3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World		3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society		3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision		3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11		(3)
	<b>TOTAL</b>	<b>20(2)</b>	PHYED 4	Physical Education 4		(2)
				<b>TOTAL</b>		<b>21(5)</b>

<b>Intersession</b>		<b>THIRD YEAR</b>		<b>Units</b>

CHEM 81.51	Industrial Chemical Reactions and Processes, Lecture	3
CHEM 81.52	Industrial Chemical Reactions and Processes, Laboratory	2
TOTAL		5(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FINN 117	Entrepreneurial Finance	3	CHEM 34.50	Applied Instrumental Analysis, Lecture	3
CHEM 73.51	Applied Physical Chemistry I, Lecture	3	CHEM 74.50	Applied Physical Chemistry II, Lecture	3
CHEM 73.52	Applied Physical Chemistry I, Laboratory	2	MKTG 111.04	Entrepreneurial Marketing (MAC)	3
OPMAN 120	Production and Operations Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
IE 1	Interdisciplinary Elective 1 – English	3	NSTP 12	National Service Training Program 12	(3)
TOTAL		20(0)	TOTAL		18(3)

#### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ECON 110	Principles of Economics	3
MKTG 143.02	Business Venture 2 (LAB - MAC)	3
TOTAL		6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 111	Strategic Human Resource Management	3	LAS 140	Sustainability and Social Responsibility	3
LAS 120	Strategic Management	3	MKTG 145.01	Start-Up Operations 1 (Lecture-MAC)	3
MKTG 144.01	Business Development 1, (Lecture-MAC)	3	MKTG 145.02	Start-Up Operations 2 (Lab-MAC)	3
MKTG 144.02	Business Development 2 (Lab-MAC)	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
TOTAL		18(0)	TOTAL		18(0)

Total Number of Academic Units: 175(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN COMMUNICATIONS TECHNOLOGY MANAGEMENT

B.S. Communications Technology Management Program is a 4-year degree program of the John Gokongwei School of Management. The program started in the mid 1990's with graduates now working in the marketing, communications, media, advertising and information technology industries.

The program focuses on the management expertise of the Management Program while injecting subjects in communications and information technology to develop a more holistic manager for the industry. CTM graduates should be able to creatively communicate ideas, rooted from management and communications theory with the use of current technology tools. In the

end, the students who graduate with a BS Comtech degree are managers that understand both the management and the creative processes of the industry.

### *Program Learning Outcomes*

As a member of the John Gokongwei School of Management, the Communications Technology Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

Over and above these program outcomes, the Communications Technology Management Program has the following additional Program outcomes.

A graduate of the Communications Technology Management program should be able to:

1. Apply knowledge in the area of Communications, its foundations and applications
2. Apply knowledge in the area of Information Technology, its tools and applications
3. Apply knowledge in the area of Management, its tools and applications
4. Synthesize their learning from Communications, Information Technology and Management and their applications for enterprises
5. Understand the various means of creatively communicating an idea, product or service with the use of various technological tools while managing the entire process from ideation to implementation

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	DECSC 25	Creative Thinking and Innovation Management	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 30.13	Applied Calculus for Business and Economics I	3
SocSc 11	Understanding the Self	3	MATH 30.14	Applied Calculus For Business and Economics II	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.01	Natural Science, Lecture	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
				TOTAL	19(2)

		<b>SECOND YEAR</b>	
<u>Interession</u>		<u>Units</u>	
ITMG 20	Basic Information Technology Applications in Business	3	
STS 10	Science, Technology, and Society	3	

TOTAL 6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	COMM 26	Information Society	3
COMM 20.03	Introduction to Communication and Communication Theory	3	CSCI 130	Introduction to Multimedia Systems	3
MSYS 25	Introduction to Information Technology	5	LLAW 113	Obligations and Contracts	3
ArtAp 10	Art Appreciation	3	QUANT 30	Applied Statistics: Tools and Applications	3
HISTO 12	Readings in Philippine History	3	FLC 11	Foreign Language and Culture 11	3
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
PHYED 3	Physical Education 3	(2)	THEO 12	Theology of the Catholic Social Vision	3
	TOTAL	20(2)	NSTP 11	National Service Training Program 11	(3)
			PHYED 4	Physical Education 4	(2)
			TOTAL		21(5)

### THIRD YEAR

<u>Intersession</u>		<u>Units</u>
ECON 110	Principles of Economics	3
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
COMM 27	Visual Thinking for Communication Managers	3	COMM 47	Audio and Video Production Techniques	3
FINN 115	Financial Management	3	MKTG 113	Marketing Communications	3
LLAW 116	Labor Law and Social Legislation	3	OPMAN 120	Production and Operations Management	3
MKTG 111	Marketing Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
LAS 197.20	Work Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 111	Strategic Human Resource Management	3	LAS 140	Sustainability and Social Responsibility	3
LAS 120	Strategic Management	3	MKTG 198	Integrative Project	3
MKTG 126	Digital Marketing	3	CTM ELECTIVE	COMTECH Elective	3
CTM ELECTIVE	COMTECH Elective	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 165(14)

Curriculum Effective Freshman Batch SY 2020 – 2021



## BACHELOR OF SCIENCE IN LEGAL MANAGEMENT

The Legal Management Program is an interdisciplinary approach to the study of business, management, law and society. It provides knowledge and skills in the components of law and the legal intricacies of the business environment. The purpose of this multifaceted program is to develop the study of law within a business-management framework and to explore the myriad ways in which law is connected with other management disciplines pertinent to an understanding of contemporary business and society.

The BS LM program, therefore aims to develop managers of the twenty-first century who have working knowledge of law, business and society from a perspective of corporate leadership and good governance with due regard to the rights and welfare of all stakeholders.

### *Program Learning Outcomes*

The Legal Management will abide by the program outcomes stated in Section 6 (Program Outcomes pages 5-6 of the new CHED PSG for Legal Management).

As a member of the John Gokongwei School of Management, the Legal Management Program also has the following School level outcomes:

- JGSOM 1. Develop a global perspective for use in nation-building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate transformative service leadership

<u>First Semester</u>		<b>FIRST YEAR</b>				<u>Units</u>
		<u>Units</u>	<u>Second Semester</u>			
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3	
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3	
LLAW 192	Legal Research	3	LLAW 113	Obligations and Contracts	3	
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I	3	
NatSc 10.01	Natural Science, Lecture	3	MATH 30.14	Applied Calculus for Business and Economics II	3	
NatSc 10.02	Natural Science, Laboratory	1	HISTO 11	Rizal and the Emergence of the Philippine Nation	3	
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3	
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)	
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)	
TOTAL		19(2)	TOTAL		21(2)	

<u>Intersession</u>		<u>Units</u>
IT ELECTIVE	IT Elective	3
STATISTICS ELECTIVE	Statistics Elective	3
IE 1	Interdisciplinary Elective 1 – English	3
TOTAL		9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ACCT 115	Financial Accounting	3	ACCT 125	Managerial Accounting	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3	DECSC 25	Creative Thinking and Innovation Management	3
LLAW 114	Law on Business Organizations	3	LAS 111	Strategic Human Resource Management	3
ArtAp 10	Art Appreciation	3	LLAW 114.03	Business Protection Law	3
HISTO 12	Readings in Philippine History	3	THEO 12	Theology of the Catholic Social Vision	3
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
FLC 11	Foreign Language and Culture 11	3	STS 10	Science, Technology, and Society	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	21(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		21(5)

### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FINN 113	Principles of Finance	3	ECON 110	Principles of Economics	3
LLAW 113.03	Law on Business Transaction	3	LLAW 116	Labor Law and Social Legislation	3
LLAW 115	Law on Taxation	3	OPMAN 120	Production and Operations Management	3
MKTG 111	Marketing Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	Theology of Marriage, Family, and Vocation	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
LAS 197.20	Work Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 120	Strategic Management	3	LAS 140	Sustainability and Social Responsibility	3
LLAW 113.04	Retail Trade Laws and Consumer Act	3	LLAW 199	Legal Management Thesis	3
LLAW 115.04	Law on Business and Transfer Taxation	3	MGT ELECTIVE	Management Elective	3
LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3	MGT ELECTIVE	Management Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 166(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY ENTREPRENEURSHIP

The B.S. Information Technology Entrepreneurship program is designed to create a structured and vibrant environment for young, aspiring entrepreneurs who are bold enough to set up their own information technology company. The program has a strong enough information technology base to enable students to appreciate what is possible with current technology and to come up and develop working prototypes of new product ideas. It also has an overlay of business courses that will give students an appreciation of the challenges of business, and an eye to spot market opportunities, so that the products they come up with are not just technically feasible, but economically feasible and commercially viable as well. Integrated into the program is a set of entrepreneurship courses that will guide the students as they turn their business plans into businesses with going concerns.

### *Program Learning Outcomes*

The IT Entrepreneurship Program will abide by the program outcomes stated in pages 3-5 of the CHED CMO 18, Series of 2017.

As a member of the John Gokongwei School of Management, the IT Entrepreneurship Program also has the following level outcomes:

- JGSOM 1. Develop a global perspective for use in nation building
- JGSOM 2. Use interdisciplinary, analytical, and sustainable approaches to solve business problems and develop innovative business models.
- JGSOM 3. Show technical proficiency in their areas of business concentration or major
- JGSOM 4. Show an understanding of how to exercise high personal moral and ethical standards
- JGSOM 5. Demonstrate an understanding of transformative service leadership principles

Over and above these program outcomes, the IT Entrepreneurship Program has the following Program outcomes.

A graduate of IT Entrepreneurship program should be able to...

1. Create a business plan or business model for an IT venture
2. Identify and use the appropriate IT programming technologies and/or platforms to develop an IT venture
3. Develop and launch an IT venture
4. Identify the importance and need for intellectual property for technology based business proposals
5. Develop the necessary leadership skills used in managing an IT venture
6. Apply hard and soft skills related to working effectively in groups or teams to achieve desired goods

<u>First Semester</u>		<b>FIRST YEAR</b>		<u>Units</u>	
<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	LAS 50	Entrepreneurial Mindset	3

NatSc 10.01	Natural Science, Lecture	3	MATH 21	University Pre-Calculus	3
NatSc 10.02	Natural Science, Laboratory	1	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
SocSc 11	Understanding the Self	3	FLC 11	Foreign Language and Culture	3
THEO 11	Faith, Spirituality, and the Church	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

#### SECOND YEAR

<b>Intersession</b>		<b>Units</b>
QUANT 30	Applied Statistics: Tools and Applications	3
ArtAp 10	Art Appreciation	3
	TOTAL	6(0)

<b>First Semester</b>		<b>Units</b>	<b>Second Semester</b>		<b>Units</b>
ITMGT 45	The Digital Economy	3	ACCT 115	Financial Accounting	3
LLAW 111	Business Law and Taxation	3	CSCI 21	Introduction to Programming I	3
MATH 30.13	Applied Calculus for Business and Economics I	3	ECON 110	Principles of Economics	3
HISTO 12	Readings In Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
STS 10	Science, Technology, and Society	3	IE 1	Interdisciplinary Elective 1 – English	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	18(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		18(5)

#### THIRD YEAR

<b>Intersession</b>		<b>Units</b>
CSCI 22	Introduction to Programming II	3
DECSO 25	Creative Thinking and Innovation Management	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3
	TOTAL	9(0)

<b>First Semester</b>		<b>Units</b>	<b>Second Semester</b>		<b>Units</b>
ACCT 122	Cost Accounting	3	FINN 117	Entrepreneurial Finance	3
ITENT 120	User Experience Design	3	ITENT 156	Technology Venture Laboratory	3
ITENT 155	Technology Venture Planning	3	MKTG 111	Marketing Management	3
PROGRAMMING ELECTIVE	Programming Elective	3	OPMAN 146	Service Management	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
			TOTAL		18(3)

**FOURTH YEAR**

<u>Interession</u>		<u>Units</u>
IE 2	Interdisciplinary Elective 2	3
ITENT 157	Technology Venture Start-Up I	3
LAS 111	Strategic Human Resource Management	3
	<b>TOTAL</b>	<b>9(0)</b>

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ITENT 158	Technology Venture Start-Up II	5	ITENT 198.1	Technology Venture Implementation I	5
LAS 120	Strategic Management	3	LAS 123	International Business and Trade	3
LAS 140	Sustainability and Social Responsibility	3	LEAD/BUSETH ELECTIVE	Leadership and Business Ethics Elective	3
LLAW 116	Labor Law and Social Legislation	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
MARKETING ELECTIVE	Marketing Elective	3	IE 3	Interdisciplinary Elective 3	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	<b>TOTAL</b>	<b>20(0)</b>	<b>TOTAL</b>	<b>TOTAL</b>	<b>20(0)</b>

Total Number of Academic Units: 173(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN RESTAURANT ENTREPRENEURSHIP

The Bachelor of Science in Restaurant Entrepreneurship is an innovative program that combines the excellence of the John Gokongwei School of Management in business management and entrepreneurship education as well as Le Cordon Bleu’s expertise in the culinary and food & beverage service industry, in the tradition of Ateneo’s liberal arts core curriculum.

The program aims to develop graduates who are equipped with the necessary skill sets to eventually become restaurateurs. As budding entrepreneurs, they will be exposed to all facets of the restaurant business from conceptualization to daily operations. In order to help students develop their entrepreneurial mindset, they will be exposed to market research and restaurant conceptualization theories in class as well as real world applications through opportunities to shadow successful restaurateurs during their internships.

**FIRST YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
LAS 21.33	Management Concepts in the Hospitality Industry	2	LAS 50	Entrepreneurial Mindset	3
LAS 51.30	The Hospitality Experience	2	LAS 51.33	Wine Fundamentals	2
LAS 114.30	Business Communications in the Hospitality Industry	2	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
MATH 10	Mathematics in the Modern World	3	NatSc 10.01	Natural Science, Lecture	3
SocSc 11	Understanding the Self	3	NatSc 10.02	Natural Science, Laboratory	1

THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	21(2)		TOTAL	21(2)

#### SECOND YEAR

<u>Interession</u>	<u>Units</u>	
DECSC 25	Creative Thinking and Innovation Management	3
LAS 20	Philippine Business Environment: Policies and Programs on Enterprise Development	3
IT ELECTIVE	IT Elective	3
	TOTAL	9(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
LAS 21.30	Restaurant Concepts and Management	3	ACCT 111	Accounting for Restaurant Entrepreneurs	3
LAS 51.34	Food and Wine Philosophy	3	LLAW 126	Hospitality Business Law	3
OPMAN 122	Kitchen Operations Management (Lab)	2	STATISTICS ELECTIVE	Statistics Elective	3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20(2)	PHYED 4	Physical Education 4	(2)
			TOTAL	TOTAL	21(5)

#### THIRD YEAR

<u>Interession</u>	<u>Units</u>	
LAS 197.33	Work Practicum	1.5
	TOTAL	1.5(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
OPMAN 123	Culinary Practice (Lab)	2	ECON 110	Principles of Economics	3
OPMAN 159.03	Food Quality Management	3	FINN 117.30	Entrepreneurial Finance	3
OPMAN 172.03	Food and Beverage Service (Lab)	2	MKTG 111.30	Intermediate Marketing	3
OPMAN 172.04	Food and Beverage Management	2	MKTG 145	Business Plan Implementation 1: Product Development and Market Analysis	5
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 3	Interdisciplinary Elective 3	3
THEO 13	A Theology of Marriage, Family, and Vocation	3		TOTAL	20(0)
NSTP 12	National Service Training Program 12	(3)			
	TOTAL	18(3)			

#### FOURTH YEAR

<u>Interession</u>	<u>Units</u>	
LAS 197.34	Work Practicum	1.5
	TOTAL	1.5(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
LAS 50.30	Entrepreneurship and Business Management	3	LAS 30.30	Leadership and Management in Action	3
LAS 111.30	Strategic Human Resources Management in the Hospitality Industry	3	LAS 122.30	Business Plan Implementation in the Hospitality Industry	3
LAS 120.30	Strategic Management in the Hospitality Industry	3	LAS 140	Sustainability and Social Responsibility	3
LAS 123	International Business and Trade	3	LAS 150.30	Decision Making for Managers	3
MKTG 179.30	Advanced Marketing	3	OPMAN 151	Quality Service Management	3
MAJOR ELECTIVE	Major Elective	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
	TOTAL	21(0)		TOTAL	21(0)

Total Number of Academic Units: 175(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

# FINANCE AND ACCOUNTING

5/F John Gokongwei  
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The Department of Finance and Accounting aims to produce graduates with sufficient theoretical and practical tools, who are ethical and global in outlook in the area of Accounting and Finance. The Department envisions knowledge of accounting and finance coexisting with the environment and society. It envisions students who understand these functions in the social context and use the knowledge for the improvement of the country.

The Department seeks to provide and develop accounting and finance education which will contribute to the advancement of society. Its objective in accounting education is to develop in students the skills in budgeting, product and service costing, control and performance evaluation, and strategic cost management, and who will become value added members of the management team, responsible for creating information vital for enhancing operational excellence. Its objective in finance education is to develop skills in corporate finance such as debt financing, equity financing, and essentials of investments.



MINOR/SPECIALIZATION IN FINANCIAL MANAGEMENT

The Minor/Specialization in Financial Management is intended to provide depth and additional exposure to students who wish to pursue careers in corporate finance, investment, or banking with an in-depth exposure to topics in Finance and Accounting.

	<b>MINOR IN FINANCIAL MANAGEMENT</b>	<b>SPECIALIZATION IN FINANCIAL MANAGEMENT</b>
Eligibility	Open to Non-JGSOM majors	Open to JGSOM majors only
Admission Requirements	None	At least a C+ in any of the following subjects below: FINN 113 Principles of Finance (for COMTECH, LM) FINN 115 Financial Management (for COMTECH, ME) FINN 117 Entrepreneurial Finance (ITE, MAC Mgt, Mgt-H) FINN 117.30 Entrepreneurial Finance (REnt)
Minimum Grade Requirement	No Grade lower than a C for all subjects qualified for the Minor.	No Grade lower than a C for all subjects qualified for the Specialization
Program Curriculum	<u>Required Courses (6 units)*</u> ACCT 113 Fundamentals of Accounting FINN 111 Fundamentals of Finance  <u>Electives (6 units)</u> ACCT 141 Tax Accounting ACCT 142 Controllership ACCT 135 Advanced Managerial Accounting ACCT 151 Accounting Information Systems ACCT 180 Special Topics in Accounting ACCT 190 Seminar in Accounting FINN 120 Financial Statement and Credit Analysis FINN 121 Investment Management FINN 122 Investment Banking FINN 131 Banking and Other Financial Institutions FINN 123 Investment Analysis FINN 124 Equity Investment Analysis FINN 132 Current Issues in Commercial Banking FINN 141 International Financial Management FINN 142 International Finance and Foreign Exchange Market FINN 150 Advanced Corporate Finance FINN 180 Special Topics in Finance FINN 180.03 Special Topics in Finance: Personal Finance	<u>Choose any 4 subjects (12 units)</u> ACCT 141 Tax Accounting ACCT 142 Controllership ACCT 135 Advanced Managerial Accounting ACCT 151 Accounting Information Systems ACCT 180 Special Topics in Accounting ACCT 190 Seminar in Accounting FINN 120 Financial Statement and Credit Analysis FINN 121 Investment Management FINN 122 Investment Banking FINN 131 Banking and Other Financial Institutions FINN 123 Investment Analysis FINN 124 Equity Investment Analysis FINN 132 Current Issues in Commercial Banking FINN 150 Advanced Corporate Finance FINN 141 International Financial Management FINN 142 International Finance and Foreign Exchange Market FINN 180 Special Topics in Finance FINN 180.03 Special Topics in Finance: Personal Finance FINN 180.04 Special Topics in Finance: Introduction to Risk Management FINN 181 Special Topics in Investment Analysis FINN 182 Special Topics in Banking

	FINN 180.04 Special Topics in Finance: Introduction to Risk Management	FINN 190 Seminar in Finance And other Finance and Accounting related electives, approved by the Program Director
	FINN 182 Special Topics in Finance: Personal Financial Entrepreneurship	
	FINN 181 Special Topics in Investment Analysis	
	FINN 190 Seminar in Finance And other Finance and Accounting related electives, as approved by the Program Director	
Total Units	12 units	12 units

## COURSE OFFERINGS

### ACCT 110

#### PRINCIPLES OF ACCOUNTING I

3 units

The course introduces the accounting concepts, principles, and procedures needed in the bookkeeping and financial presentation of single proprietorships engaged in service and merchandising operations. Emphasis is placed upon the principles that govern the construction and operation of accounts, which then allow for periodic analysis, interpretation, valuation and income determination to take place. Whenever possible, quantitative approaches to illustrate accounting concepts is used.

### ACCT 111

#### ACCOUNTING FOR RESTAURANT ENTREPRENEURS

3 units

ACCT 111 introduces the accounting concepts, principles, and procedures needed in the bookkeeping and financial presentation of restaurant entrepreneurs. Emphasis is placed upon the principles that govern the construction and operation of accounts, which then allow for periodic analysis, interpretation, valuation and income determination to take place. Whenever possible, quantitative approaches to illustrate accounting concepts is used.

### ACCT 113

#### FUNDAMENTALS OF ACCOUNTING

3 units

The course introduces the accounting concepts, principles, and procedures needed in the bookkeeping and financial presentation of businesses, particularly sole proprietorships and corporations, engaging in service and merchandising operations. Emphasis is placed on the principles that govern the construction and operation of accounts, which then allow for periodic analysis, interpretation, valuation, and income determination to take place.

### ACCT 115

#### FINANCIAL ACCOUNTING

3 units

The course focuses on the basic concepts of Accounting, primarily on the accounting cycle using the double entry system which includes: (1) identification of accounting transactions including the use of T-Accounts; (2) preparation of financial statements; and (3) discussion on the revenue cycle, the expense cycle, the financing cycle and the investment cycle as they relate to the accounting system. Emphasis is on the use of accounting information for making business decisions. Whenever possible, quantitative approaches to illustrating accounting concepts is used.

ACCT 120  
PRINCIPLES OF ACCOUNTING II  
3 units

Prerequisite: ACCT 110

The course introduces the accounting concepts, principles, and procedures needed in the bookkeeping and financial presentation of partnership and corporation. An introduction to Financial Statement Analysis and Basic Cost Volume Profit Analysis is also included. Whenever possible, quantitative approaches to illustrate accounting concepts is used.

ACCT 122  
COST ACCOUNTING  
3 units

Prerequisite: ACCT 111, 113, 115, or 120

The course is designed as an introduction to managerial and cost accounting, with special emphasis on its application to managerial decision making for strategic purposes. At the end of the course, the students should have a clear understanding and appreciation of the concepts, tools, and techniques necessary to address financial and strategic control problems typically faced by analysts, controllers, and managers. Areas covered include cost behavior, strategy in the context of managing financial decisions, and the nature of the interaction between strategic planning and managerial control.

ACCT 125  
MANAGERIAL ACCOUNTING  
3 units

Prerequisite: ACCT 111, 113, 115, or 120

The course is designed as an introduction to managerial and cost accounting, with special emphasis on its application to managerial decision making for strategic purposes. At the end of the course, the students should have a clear understanding and appreciation of the concepts, tools, and techniques necessary to address financial and strategic control problems typically faced by analysts, controllers, and managers. Areas covered include cost behavior, strategy in the context of managing financial decisions, and the nature of the interaction between strategic planning and managerial control.

ACCT 130  
RESOURCE MANAGEMENT  
3 units

This is an introduction to the fundamentals of resource management in health projects and the various issues that arise as health projects go through their life cycles. The course uses Activity-Based Costing (ABC) and management systems as the framework.

ACCT 135  
ADVANCED MANAGERIAL ACCOUNTING  
3 units

Prerequisite: ACCT 111, 113, 115, or 120

This course studies the role of management accounting systems in aiding managers of complex hierarchical organizations in planning and controlling their operations. Emphasis is on the challenges and opportunities of new information technology and new technology of modern operating and service processes.

ACCT 140  
FINANCIAL REPORTING AND ANALYSIS  
3 units

Prerequisite: ACCT 111, 113, 115, or 120

This course concentrates on the application of income taxes, leases and off-balance sheet financing, financial reporting quality, accounting shenanigans, analyst adjustments to reported financials.

ACCT 141  
TAX ACCOUNTING

3 units

Prerequisite: ACCT 111, 113, 115, or 120

This is a course on the Philippine tax system. Topics include the role of taxes in business and investment decisions and its implication across all taxpaying activities. Emphasis is on income taxes and business taxes in the Philippines.

ACCT 142  
CONTROLLERSHIP

3 units

Prerequisite: ACCT 111, 113, 115, or 120

This course studies the financial control function of accounting in an organization, including property control responsibility and internal audit functions. Emphasis is on tools that assist operating managers in their day-to-day financial decisions and in their relationship with investors, creditors, and some government agencies.

ACCT 151  
ACCOUNTING INFORMATION SYSTEM

3 units

Prerequisite: ACCT 111, 113, 115, or 120

This course studies the accounting system. Emphasis is on internal control and technology; integration of structural documentation, tools and techniques; and providing a balanced coverage of system, EDP controls, and auditing.

ACCT 180  
SPECIAL TOPICS IN ACCOUNTING

3 units

Prerequisite: ACCT 111, 113, 115, or 120

This course studies current issues in accounting. Topics may include accounting for mergers and consolidations, accounting for installment sales, consignments, EDP bookkeeping system, accounting for income taxes, design of management control systems, Kaizen costing systems, balanced scorecard, and activity-based costing system.

ACCT 190  
SEMINAR IN ACCOUNTING

3 units

Prerequisite: ACCT 111, 113, 115, or 120

This is a seminar on topics relevant in the preparation of students for their involvement in the Philippine business community. Topics include concepts related to accounting, special taxes, ethics in accounting and financial statement preparation, public-fiscal administration, and accounting record-keeping in accordance with government requirements.

FINN 111  
FUNDAMENTALS OF FINANCE

3 units

Prerequisite: ACCT 110, 111, 113, 115, or 120

FINN 111 is a 3-unit course covering relevant topics regarding financial decision making. The course aims to introduce students to the tools and techniques of financial management and their use to managerial decision making.

FINN 112  
FINANCIAL PLANNING

3 units

Prerequisite: ACCT 110, 111, 113, 115 or 120

FINN 112 is a 3-unit course covering relevant topics regarding theory-based and relevant understanding of financial decision making. This course aims to introduce the students to the tools and techniques of financial management, and their use to managerial decision-making. The course emphasizes the understanding of finance theory and working knowledge of the financial environment in which the firm operates in order to develop appropriate financial strategies.

FINN 113

PRINCIPLES OF FINANCE

3 units

Prerequisite: ACCT 110, 111, 113, 115 or 120

The course emphasizes the understanding of finance theory and working knowledge of the financial environment in which the firm operates in order to develop appropriate financial strategies. Hence, it covers the whole range of basic finance concepts, economics and financial markets, financial statement analysis, risk analysis, the valuation process, capital budgeting, and capital structure and dividend policy. It also covers financial analytical tools, cash flow management techniques & working capital management.

FINN 115

FINANCIAL MANAGEMENT

3 units

Prerequisite: ACCT 110, 111, 113, 115 or 120

This course is an introductory survey of modern corporate financial theory and policy, using a combination of lecture and case study methods of instruction to focus on problems in modern portfolio theory and corporate asset and liability management. Topics include portfolio theory, risk management, capital budgeting, financial decisions, and corporate control transactions. The first half of the semester focuses on investment issues while the second half focuses on corporate finance issues.

FINN 117

ENTREPRENEURIAL FINANCE

3 units

Prerequisite: ACCT 110, 111, 113, 115 or 120

The course builds on the concepts of finance learned in the basic accounting and finance courses that have relevance to the entrepreneurial venture from start-up to "harvest". While we are interested in the entrepreneur as a person, we are even more interested in the entrepreneurial process. The central focus of the course is to gain an understanding of the financing of entrepreneurial ventures.

FINN 117.30

ENTREPRENEURIAL FINANCE

3 units

Prerequisite: ACCT 111

The purpose of this course is to provide students with the opportunity to develop their understanding of financial management processes relating to the international hospitality industry.

FINN 120

FINANCIAL STATEMENT AND CREDIT ANALYSIS

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course studies how banks and creditors examine the creditworthiness of potential/existing clients. Focus is on credit investigation, financial statement analyses, non-financial considerations, account monitoring, and the necessary preparation for a presentation before the Credit Committee.

FINN 121

INVESTMENT MANAGEMENT

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

FINN 121 (Investment Management) is a 3-unit elective course that aims to introduce students to the intriguing world of money and investing. The course exposes them to the various investment instruments available in the market, how these instruments work, and how they themselves can invest in said instruments. At the end of the course, the students are also expected to know the different company valuation models used in fundamental analysis.

FINN 122

INVESTMENT BANKING

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course intends to provide students with an overview of Investment Banking and the dynamics that make it possible for corporations, governments and financial institutions to raise capital or funding to support their businesses/mandates. The course demonstrates how the different teams within Investment Banking (i.e. debt capital markets, equity capital markets, M&A, treasury sales, credit risk, compliance, legal, etc.) interact to successfully execute transactions.

FINN 123

INVESTMENT ANALYSIS

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

FINN 123 is a 3-unit finance elective that aims to introduce the students to the characteristics, valuation, and analysis of fixed-income investments and markets. The course is designed to cover all fixed-income topics that will be encountered in the CFA Level 1 examination.

FINN 124

EQUITY INVESTMENT ANALYSIS

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

Finance 124 is a 3-unit course focusing on the analysis of equity investments. Tackling both Fundamental and Technical analysis.

FINN 131

BANKING AND OTHER FINANCIAL INSTITUTIONS

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

The course introduces the banking concepts and procedures. It also introduces the opportunities for the students to learn the operations within the banking industry.

FINN 132

CURRENT ISSUES IN COMMERCIAL BANKING

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

The course introduces the students to the current issues in the banking sector. This course studies the various areas in commercial banking within the context of universal banks. Emphasis is on the leading foreign and local commercial banks, the Central Bank of the Philippines, and other government financial institutions. Topics include government regulations, monetary systems, and banking operations.

FINN 141

INTERNATIONAL FINANCIAL MANAGEMENT

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course studies financial decisions arising from developments in the international financial markets and exchange rates from the perspective of multinational enterprises. Topics include pricing in the foreign

currency and Eurocurrency markets, use of forward exchange for hedging, foreign currency financing, and exposure management.

#### FINN 142

##### INTERNATIONAL FINANCE AND FOREIGN EXCHANGE MARKET

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course studies the basics of international treasury operations, international banking services, import-export documentation, including advanced financial management techniques such as leading and lagging, netting, hedging, and swaps; and an analysis of a developing country's external debts.

#### FINN 150

##### ADVANCED CORPORATE FINANCE

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course studies the corporation, and the relationship of its financial system to other functions within the firm, with emphasis on financial policy-making through decisions made in asset allocation, capital structure mix, dividend policy, optimum debt levels, and capacity valuation in the market.

#### FINN 180

##### SPECIAL TOPICS IN FINANCE

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course is an introduction to particular areas in finance that are of current importance and relevance, and of general interest.

#### FINN 180.03

##### SPECIAL TOPICS IN FINANCE: PERSONAL FINANCE

3 units

This course discusses personal financial management and the values and attitudes that determine one's spending and saving habits. Topics include good habits and practices concerned with financial literacy; practical, simple, and powerful financial management principles; and entrepreneurial concepts and their application in small-scale business opportunities.

#### FINN 180.04

##### SPECIAL TOPICS IN FINANCE: INTRODUCTION TO RISK MANAGEMENT

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course discusses basic concepts and applications of the principles of financial innovation through financial derivatives. Emphasis is on the role of financial derivatives in the global market and local economy. Topics include recent developments in financial and commodity hedging, its application, and ethical issues.

#### FINN 181

##### SPECIAL TOPICS IN INVESTMENT ANALYSIS

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

Special Topics in Investment Analysis (FINN 181) is a three-unit introductory course on derivatives and alternative investments. This course builds the conceptual framework for understanding the basic derivative securities and alternative investments, their valuation, unique risk-return characteristics and opportunities, markets, and their relation to traditional bond and equity investments.

#### FINN 182

##### SPECIAL TOPICS IN BANKING

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This course studies financial institutions, financial markets, and their relationship to public and management policies. Topics include market structure, profit strategies, relationship of commercial banks and other financial institutions, problems of asset and liability management, theory of interest and asset prices, and credit risk analysis.

FINN 190

SEMINAR IN FINANCE

3 units

Prerequisite: FINN 111, 112, 113, 115 or 117

This seminar on current issues in finance discusses leasing, mergers, and acquisitions; corporate reorganizations; financial planning and working capital management; investment decision making under uncertainty; cost of capital; capital structure; pricing of selected financial instruments and corporate liabilities; dividend policy; corporate valuation; and taxation.



# LEADERSHIP AND STRATEGY

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The Department of Leadership and Strategy (LAS) assumes the integrative role in JGSOM's programs, participating in the school's pursuit of leadership in business education. The department welcomes the JGSOM students through their management introductory courses, such as Principles of Management, Entrepreneurial Mindset and Philippine Business Environment: Policies and Programs in Enterprise Development. Towards the end of their programs, JGSOM students take culminating courses with LAS such as Strategic Management, Leadership and Business Ethics, CSR and Sustainability and Enterprise Development capstone program. Elective offerings are in the area of general management, entrepreneurship, human resource management, international business, strategy, leadership, sustainability management, business ethics, family business management and social entrepreneurship.

The Leadership and Strategy Department, through its course development, and faculty involvement and commitment, seeks to contribute to JGSOM's goal of molding Ateneo management students to become principle-centered leaders and entrepreneurs who nurture a people-oriented culture and who take on a strategic global perspective rooted in the ASEAN and Philippine context.

MINOR/SPECIALIZATION IN INTERNATIONAL BUSINESS

The Minor/Specialization in International Business provides an overview of the nature and intricacies of international business through coursework in regional- and global-oriented courses in Marketing, Strategy, Finance, Economics, Law, and Culture. The program introduces students to transnational and cross-cultural tools and skills needed to successfully conduct business in an increasingly international setting toward developing a competent global executive.

	MINOR IN INTERNATIONAL BUSINESS	SPECIALIZATION IN INTERNATIONAL BUSINESS
Eligibility Requirements	Open to non-JGSOM majors only	Open to JGSOM majors only
Admission Requirements	<p>Minimum grade of B in the <b>Required Course</b> for the Minor:</p> <p>LAS 20 Philippine Business Environment: Policies and Programs on Enterprise Development</p> <p><b>OR</b></p> <p>MKTG 111 Marketing Management</p>	<p>Minimum grade of B in <b>any</b> of the following courses:</p> <p>LAS 20 Philippine Business Environment: Policies and Programs on Enterprise Development</p> <p>MKTG 111 Marketing Management</p> <p>MKTG 111.03 Entrepreneurial Marketing (Mgt)</p> <p>MKTG 111.04 Entrepreneurial Marketing (MAC)</p>
Minimum Grade Requirement	No Grade lower than a C and an average of at least a 3.00 on all subjects taken within the minor program	<p>No Grade lower than a C from all subjects qualified for the Specialization.</p> <p>Average of at least a 3.00 from all subjects qualified for the Specialization.</p>
Program Curriculum	<p><u>Required Course (3 units)</u></p> <p>LAS 20 Philippine Business Environment: Policies and Programs on Enterprise Development</p> <p><b>OR</b></p> <p>MKTG 111 Marketing Management</p> <p><u>Electives (12 units; choose four)</u></p>	<p><u>Required Course (3 units; choose one)</u></p> <p>LAS 20 Philippine Business Environment: Policies and Programs on Enterprise Development</p> <p>MKTG 111 Marketing Management</p> <p>MKTG 111.03 Entrepreneurial Marketing (Mgt)</p>

	LAS 123	International Business and Trade	MKTG 111.04	Entrepreneurial Marketing (MAC)
	LAS 123.73	Strategic Issues in Doing Business in the ASEAN Context	<u>Electives (12 units; choose four)</u>	
	LAS 123.74	Strategic Issues in Doing Business in China	LAS 123	International Business and Trade
	LAS 123.75	Strategic Issues in Doing Business in Japan	LAS 123.73	Strategic Issues in Doing Business in the ASEAN Context
	LAS 144.70	Cross-Cultural Communication	LAS 123.74	Strategic Issues in Doing Business in China
	MKTG 125	International Marketing	LAS 123.75	Strategic Issues in Doing Business in Japan
	MKTG 125.03	International Business Opportunities	LAS 144.70	Cross-Cultural Communication
	MKTG 125.04	Export Marketing	MKTG 125	International Marketing
	MKTG 125.06	Understanding International Trade and Competition	MKTG 125.03	International Business Opportunities
	And other International Business-related electives, approved by the Program Director		MKTG 125.04	Export Marketing
			MKTG 125.06	Understanding International Trade and Competition
			FINN 141	International Financial Management
			FINN 142	International Finance and Foreign Exchange Market
			And other International Business-related electives, approved by the Program Director	
Total Units	15 units		15 units	

#### MINOR IN MANAGEMENT

Most Ateneo graduates find themselves holding positions of responsibility within organizations that they join regardless of the path they choose to pursue. They can more effectively manage teams and organizations that they lead through formal training in the various functional areas of management.

The Minor in Management is for students who are enrolled in non-JGSOM courses and would like to gain a working knowledge of the core management disciplines that can help them more effectively manage any organization.

#### *Eligibility Requirement*

All Non-JGSOM undergraduate students may apply for this minor, except those enrolled in the following degree programs :

1. AB Chinese Studies - Specialization in Business
2. AB European Studies - Specialization in Business and Economics
3. BS Life Sciences - Management track
4. AB Interdisciplinary Studies - Management track
5. AB Management Economics

For students in other degree programs that include any of the required courses required of the Minor in Management – no more than 6 units of courses in their program of study (i.e., the core and major curricula) may be credited towards the Minor.

*Minimum Grade Requirement*

No Grade lower than a C and an average of at least a 3.00 on all subjects taken within the minor program

*Program Curriculum*

Required Courses (15 units)

- ITMGT 20 Basic Information Technology Applications in Business
- LAS 21 Principles of Management
- LAS 111 Strategic Human Resource Management
- ACCT 113 Fundamentals of Accounting
- MKTG 111 Marketing Management

Total Number of Units for the Minor: 15 units

**MINOR/SPECIALIZATION IN STRATEGIC HUMAN RESOURCES MANAGEMENT**

The Minor/Specialization in Strategic Human Resources Management is designed to fully understand the multiple roles and responsibilities of the HR professional in today’s world in the management of the firm’s infrastructure, employee contribution, and transformation and change. The program aims to develop and enhance the skills required of competent HR professionals including strategic, creative, and systems thinking approaches to human resource capital management, and leadership skills in all four levels — personal, interpersonal, managerial and organizational, and multidisciplinary capabilities in the management of 21st century organizations.

	<b>MINOR IN STRATEGIC HUMAN RESOURCES MANAGEMENT</b>	<b>SPECIALIZATION IN STRATEGIC HUMAN RESOURCES MANAGEMENT</b>
Eligibility Requirements	Open to Non-JGSOM majors	Open to JGSOM majors <b>only</b>
Minimum Grade Requirement	No Grade lower than a C and an average of at least a 3.00 for all subjects qualified for the Minor	No Grade lower than a C for all subjects qualified for the Specialization.  Average of at least a 3.00 for all subjects qualified for the Specialization

Program Curriculum	<u>Required Courses (6 units)*</u> LAS 21 Principles of Management LAS 111 Strategic Human Resource Management  *No Grade lower than C, average of at least a 3.00 on the two required courses  <u>Electives (9 units)</u> Choose from to complete a minimum of 15 units (including the required courses): LAS 112 Strategic Human Resources Development	<u>Required Courses (3 units)*</u> LAS 20 Philippine Business Environment: Policies and Programs on Enterprise Development <b>OR</b> LAS 111 Strategic Human Resource Management  *No Grade lower than B, average of at least a 3.00 on the two required courses  <u>Electives (12 units)</u> LAS 112 Strategic Human Resource Development
	LAS 113 Organizational Development LAS 115 Leading and Managing Change LAS 130 Leadership in the 21st Century LAS 144.70 Cross-Cultural Communication  And other Human Resource related electives, approved by the Program Director	LAS 113 Organizational Development LAS 115 Leading and Managing Change LAS 130 Leadership in the 21st Century LAS 144.70 Cross-Cultural Communication  And other Human Resource related electives, approved by the Program Director
Total Units	15 units	15 units

#### MINOR IN SUSTAINABILITY

Despite the Philippines' share of poverty and disaster, we have not been able to systematically develop a connected understanding of the complex social and natural environments among members of our society. This kind of understanding should not only encompass cognitive and affective aspects but also lead to behavioral change. This should also use multi- and interdisciplinary perspectives, specifically those of systems thinking and sustainable development. As more organizations move toward an acceptance of sustainability models, our students need to be equipped with the lenses, frameworks, tools, and methodologies that can be applied in various fields and professions.

#### *Eligibility Requirement*

Open to all LS undergraduate students

#### *Admission Requirements*

ENVI 10.01 Introduction to Environmental Science, Lecture

#### *Minimum Grade Requirement*

No Grade lower than a C for all subjects qualified for the Minor

#### *Program Curriculum*

#### Required Courses (9 units)

ENVI 177.04i Environmental Management for Sustainability  
PHYS 180.5 Climate Change and Disaster Risk  
DECSC 141 Systems Modeling (SUST 110)

Electives (6 units; choose two)

PHILO 126.06	Environmental Ethics
LAS 141	Social Enterprise
LAS 150.60	Creative Problem Solving for Sustainability Management
DEV 183.20	Special Topics in Development Management: Entrepreneurship for Sustainable Development
DEV 186.19	Special Topics in Development Studies: Political Economy of Environmental Resources
DEV 186.44	Special Topics in Development Studies: Issues in Sustainable Development
DEV 187.3	Special Topics in Geography and Development: Disaster Risk Reduction & Society
ECON 159	Economics of Natural Resources and Environment
ECON 185.61	Special Topics in Economics; Social, Political, and Ecological Economics

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

LAS 20

PHILIPPINE BUSINESS ENVIRONMENT: POLICIES AND PROGRAMS ON ENTERPRISE DEVELOPMENT  
3 units

The course presents a broad and interdisciplinary view of the Philippine business environment, including the issues and challenges facing it. The course introduces the student to basic concepts of management and organization, the external and internal environment of business organizations, changing the business environment, and the competitive environment and analytical tools. Issues and challenges include business ethics, triple bottom line, and special considerations in Philippine business climate. The course further provides a survey of the factors influencing business decision making in the Philippines and a framework for environmental and industry analysis.

LAS 21

PRINCIPLES OF MANAGEMENT  
3 units

This course discusses a) the fundamental concepts and principles necessary for effective management and b) the knowledge and skills required of a manager using, as a basic framework, the nature and role of the management process and the task of planning, organizing, directing and controlling. Essentially, the course uses the concept that the process of management requires leading and directing an organization to effectively manage an organization's human, financial, material, and intangible resources.

LAS 21.20

PRINCIPLES OF MANAGEMENT FOR THE SERVICE SECTOR  
3 units

LAS 21.20 presents the fundamental concepts and principles necessary for effective management and the knowledge and skills required of a manager using as the basic framework the nature and role of the management process and the tasks of planning, organizing, directing, and controlling inclusive but not limited to the service industry.

LAS 21.30

RESTAURANT CONCEPTS AND MANAGEMENT  
3 units

The course researches and applies relevant management principles and concepts in the planning and design of restaurants.

LAS 21.33

MANAGEMENT CONCEPTS IN THE HOSPITALITY INDUSTRY  
2 units

The course introduces and contextualizes management concepts and theories using practical examples

drawn from hospitality sectors.

LAS 30.30

LEADERSHIP AND MANAGEMENT IN ACTION

3 units

This course discusses the importance of being flexible and adaptable in management style – according to the needs of staff, the situation at hand and the needs of the manager. Students develop a deep understanding of dominant behavioral preferences when working with people and learn how to extend the range of behaviors adopted with people according to their needs and the needs presented by various organizational environments.

LAS 50

ENTREPRENEURIAL MINDSET

3 units

Entrepreneurial Mindset is an elective course for students who are exploring careers as entrepreneurs in the future. Unlike other business courses that concentrate narrowly on a particular function or part of the business enterprise, it is general in nature and is oriented towards the individual as it focuses on identifying basic knowledge, key skills and the right mental attitude to be a successful entrepreneur.

LAS 50.30

ENTREPRENEURSHIP AND BUSINESS MANAGEMENT

3 units

Prerequisites: Stages 1-4 of the LCB program; LAS 21.30

This course develops a sound understanding of entrepreneurship and the entrepreneurial process and to provide students with the opportunity to conceptualize and plan the development of a hotel or restaurant/ food & wine related business from an entrepreneurial perspective.

LAS 51.30

THE HOSPITALITY EXPERIENCE

2 units

This course reflects on the concept of hospitality in a variety of cultural contexts and to apply principles of hospitality in various industry scenarios.

LAS 51.33

WINE FUNDAMENTALS

2 units

This course provides you with the chance to learn about wine – how it is made, its place in Western gastronomy and how to apply professional tasting techniques to the evaluation of wine character and quality. As a result, students become more confident about describing wine and recommending wine to their customers.

LAS 51.34

FOOD AND WINE PHILOSOPHY

3 units

This course synthesizes all design and planning aspects of a bespoke dining experience. Based on group work the subject covers menu and recipe design, costing and service, using an applied gastronomic approach.

LAS 111

STRATEGIC HUMAN RESOURCE MANAGEMENT

3 units

This course introduces the strategic perspective to be taken in harnessing the human resources of an organization. It highlights the strategic roles which the Human Resource function and professionals play in creating value and delivering results to the organization. It also studies various individual and group behaviors

and organizational practices to enhance the students' awareness of the managerial and leadership skills needed for the effective performance of the organization.

LAS 111.30

STRATEGIC HUMAN RESOURCE MANAGEMENT IN THE HOSPITALITY INDUSTRY

3 units

This course introduces the students to the key principles, concepts, knowledge and skills required to strategically manage human resources in a hospitality context. It highlights the strategic roles which the Human Resource function and professionals play in creating value and delivering results to the organization in the hospitality industry. It covers discussion of effective first-line operational management, cross-cultural dynamics, and practical application of the basic human resources and personnel administration functions. It also studies various individual and group behaviors and organizational practices to enhance the students' awareness of the managerial and leadership skills needed for the effective performance.

LAS 112

STRATEGIC HUMAN RESOURCE DEVELOPMENT

3 units

This course provides the students with the basic yet comprehensive overview of how people are developed in organizations to be efficient and effective resources. It provides concepts, tools, models, and practical insights for the development of an individual, of the team, and of the organization as a whole. It equips students with skills on assessing and identifying development needs, and customizing the intervention to address said needs effectively.

LAS 112.73

ENGINEERING PROFESSIONAL DEVELOPMENT

3 units

This is a blended learning course that introduces basic principles of effective management in relation to working with teams of engineers and technologists. It provides experiential activities in the areas of professional communication; group processes such as leadership, decision making, diversity management, creativity; and innovation.

LAS 113

ORGANIZATIONAL DEVELOPMENT

3 units

Prerequisite: LAS 111

Organization Development (OD) is an area of practice and research in Human Resource Development (HRD). Cummings & Worley define OD as a "process that applies a broad range of behavioral science knowledge and practices to help organizations build their capacity to change and to achieve greater effectiveness." It involves planned interventions intended to successfully create interpersonal, group, intergroup, or organization-wide change.

LAS 114

ORGANIZATIONAL COMMUNICATION

3 units

Prerequisite: ENGL 11

This course seeks to develop the essential communication skills of the students to be able to inspire and motivate people to achieve the goals of the organization. Words, in itself, may not build businesses. But they can be used to exploit the one essential economic resource around which businesses are built upon; they can inspire and motivate people in ways money cannot.

LAS 114.30

BUSINESS COMMUNICATIONS IN THE HOSPITALITY INDUSTRY

2 units



This course aims to develop effective communication skills as an independent learner and reflective practitioner.

LAS 115

LEADING AND MANAGING CHANGE

3 units

Prerequisite: LAS 111

This course explores approaches to effective leadership within the context of organizational chaos and complexity. It studies effective leaders who know how to catalyze and support positive changes in structure, products and services, organizational culture, and people.

LAS 116

PRINCIPLED NEGOTIATIONS

3 units

This course explores approaches to effective leadership within the context of organizational chaos and complexity. It studies effective leaders who know how to catalyze and support positive changes in structure, products and services, organizational culture, and people.

LAS 120

STRATEGIC MANAGEMENT

3 units

Prerequisites: LAS 111/111.3, MKTG 111/111.03, FINN 113/115, OPMAN 120/125

This course gives the big picture, integrating all other business courses – accounting, finance, marketing, production, operations, human resource, and information systems – as well as other non-business courses, taken in the course of your study program. Strategic management is used to chart the future directions of different types of organizations. The center of attention is the firm – the industry and the competitive environment in which it operates, its long-term direction and strategy, its resources and competitive capabilities, and its prospects for success.

LAS 120.03

STRATEGY FORMULATION

3 units

Prerequisites: LAS 111, FINN 113, OPMAN 120, MKTG 111

This course serves as part 1 of the integrative courses for graduating Management Economics students. Unlike other business courses that concentrate narrowly on a particular function or a piece of the business – accounting, finance, marketing, production, human resources, or information systems, strategic management is a big picture course. The center of attention is the total enterprise – the industry and competitive environment in which it operates its long-term direction and strategy, its resources and competitive capabilities, and its prospects for success.

LAS 120.04

STRATEGY IMPLEMENTATION

3 units

Prerequisite: LAS 120.03

This course is the second part of the integrative courses for graduating seniors in Management Economics. Unlike other business courses that concentrate narrowly on a particular function or a piece of the business – accounting, finance, marketing, production, human resources, or information systems, strategic management is a big picture course. The center of attention is the total enterprise – the industry and competitive environment in which it operates its long-term direction and strategy, its resources and competitive capabilities, and its prospects for success.

LAS 120.20

SPORTS BUSINESS MANAGEMENT

3 units

Prerequisite: ACCT 113/125/110, MKTG 111/111.03/111.04

This course introduces students to the basic business management principles and concepts in the sports industry. This is done through theory (lectures and case studies) and practice (development and implementation of a sports business management initiative).

LAS 120.30

STRATEGIC MANAGEMENT IN THE HOSPITALITY INDUSTRY

3 units

This course provides the students with the opportunity to research and evaluate contemporary approaches to strategic management and organizational leadership as it applies to international hospitality businesses, including strategic and operational risk management planning. It equips the students with the overall understanding of what strategic management is, the skills needed to develop, implement, and evaluate strategic plans of organizations in the hospitality industry and the discipline to think strategically for the organization.

LAS 121

ENTREP SERIES 2: BUSINESS PLAN DEVELOPMENT

3 units

Pre-requisites: LAS 111, FINN 113/115, OPMAN 120/125, MKTG 111/111.03

This course (along with Entrep Series 2) serves as the capstone, integrative courses for graduating seniors in management-oriented concentrations. Unlike other business courses that concentrate narrowly on a particular function or a piece of the business – accounting, finance, marketing, production, human resources, or information systems, strategic management is a big picture course. The center of attention is the total enterprise – the industry and competitive environment in which it operates its long-term direction and strategy, its resources and competitive capabilities, and its prospects for success.

LAS 122

ENTREP SERIES 3: BUSINESS PLAN IMPLEMENTATION

5 units

Prerequisite: LAS 121

This course is the culmination of the 3-part capstone, integrative courses for graduating seniors in management-oriented concentrations. Unlike other business courses that concentrate narrowly on a particular function or a piece of the business – accounting, finance, marketing, production, human resources, or information systems, strategic management is a big picture course. The center of attention is the total enterprise – the industry and competitive environment in which it operates its long-term direction and strategy, its resources and competitive capabilities, and its prospects for success.

LAS 122.30

BUSINESS PLAN IMPLEMENTATION IN THE HOSPITALITY INDUSTRY

3 units

Prerequisite: LAS 50.30

This is an integrative course for graduating students in Restaurant Entrepreneurship program. Students of this course engage in the implementation of an enterprise's business plan – applying all concepts and disciplines that they have learned from the different management functions – operations, marketing, finance, human resource. This course also integrates external analysis and internal strategic plans and implementations of the organization.

LAS 123

INTERNATIONAL BUSINESS AND TRADE

3 units

Prerequisite: MKTG 111/111.03

This course is a study of the strategic aspects of businesses that operate across national borders, focusing on the international while anchored on the local environment. Topics include realities of global competition, multinational firms in the ASEAN region and in the other developing countries, identification and assessment

of the forces that shape the international economic environment, and the impact of information technology, electronic communication, and ecology.

LAS 123.73

STRATEGIC ISSUES IN DOING BUSINESS IN THE ASEAN CONTEXT

3 units

The course is an overview of doing business in ASEAN countries from a Philippine perspective. It features an introduction to ASEAN as an organization and as a community of independent nations with cultural and historical differences but have common economic goals. The course examines the Philippines within this backdrop as well as 5 other key nations and attempts to derive a business development strategy for the Philippines in the ASEAN context.

LAS 123.74

STRATEGIC ISSUES IN DOING BUSINESS IN CHINA

3 units

Prerequisite: MKTG 111/111.03/111.04

The course intends to give students a taste of the way business is conducted in China. Through various assigned readings and cases, a comparative study of the modes of entering China is covered. Students are exposed to the problems encountered by foreigners who set up business in China. A great part of the course is on learning the nuances of negotiating with the Chinese by exposing students to the Art of War and other strategies used in China.

LAS 123.75

STRATEGIC ISSUES IN DOING BUSINESS IN JAPAN

3 units

Prerequisite: MKTG 111/111.03/111.04

The course is a study of the Japanese business environment. The course entails an analysis of the various aspects of Japanese corporations — organization; production and quality control; marketing; information technology; finance; and human resource management. The course also includes the study of the impact of intellectual property rights on Japanese business.

LAS 124

SMALL BUSINESS CONSULTING

3 units

Prerequisites: ACCT 113/115/127, LAS 111, FINN 112/113/115, OPMAN 120/125, MKTG 111/111.03

Small Business Consulting is a course designed to prepare students for professional consulting work. Small Business Consulting or simply “Business Consulting” for small and medium enterprises provides students with the necessary skills in understanding industry structures, the value creation process in enterprises, innovative business modeling and formulating action programs based on internal business processes. These internal business processes are classified under four structures — operations management, customer management, innovation, and regulatory and social involvement. Emphasis is likewise given on the strategy roadmap design and execution plan.

LAS 130

LEADERSHIP IN THE 21ST CENTURY

3 units

Prerequisite: LAS 111

This course introduces the class participants to the different types and styles of leadership and prepares them for their future roles as managers in their respective organizations and communities.

LAS 130.40

FAMILY BUSINESS MANAGEMENT AND LEADERSHIP

3 units

Prerequisite: LAS 111

This course exposes the students to the unique challenges of managing a family business. The students also learn leadership and relationships that are inherent in family businesses and how these intertwined in the ownership, governance and management of the family business. Ownership legacy, sibling rivalries, professionalism, succession, and strategic planning are some of the topics that are covered in this course. Family businesses in the Asian context are discussed in line with their successes and failures. It presents a theoretical framework for understanding the family form of business organization.

LAS 131

PRINCIPLED NEGOTIATIONS

3 units

This basic course covers important negotiation schools of thought and uses established research and practical experience in various settings where negotiation occurs.

LAS 140

SUSTAINABILITY AND SOCIAL RESPONSIBILITY

3 units

This course discusses the evolving concepts, models, and tools of sustainability and social responsibility, particularly as applied to organizations and enterprises; the role of stakeholder engagement in this field; thinking in systems; sustainability leadership and its ethical implications. It looks into current paradigms, such as Creating Shared Value and Circular Economy. The concepts and principles are illustrated with the help of examples and cases in business and industry.

LAS 141

SOCIAL ENTERPRISE

0 units

Social entrepreneurship involves the promotion and building of enterprises or organizations that create wealth, with the intention of benefiting not just a person or family but a defined constituency, sector or community usually involving the public at large or the marginalized sectors of society. The course aims to inspire students to establish or participate in social enterprises. It highlights that the social enterprise, like business enterprises, is also concerned with financial sustainability. However, the social enterprise goes beyond profits, it provides bottom lines that achieve its development objectives.

LAS 142

CORPORATE SUSTAINABILITY

3 units

This course covers the transformation of concepts in corporate sustainability, from the traditional financial and operational viability, to the development of Corporate Social Responsibility, to the concepts of sustainable development as applied in business organizations. It looks into the development of sustainability vision and strategy.

LAS 144.70

CROSS CULTURAL COMMUNICATION

3 units

Prerequisite: LAS 111

This course focuses on how cultural differences – at the regional, national, corporate and functional levels – influence business work styles and protocols, particularly communication, and how cross-cultural literacy becomes a key factor in a diverse and globalized workplace.

LAS 150.30

DECISION MAKING FOR MANAGERS

3 units

This subject applies knowledge and decision-making skills in various simulated (virtual and role-play) business management scenarios.

LAS 150.60

CREATIVE PROBLEM SOLVING FOR SUSTAINABILITY MANAGEMENT

3 units

This course discusses the importance of multi- and interdisciplinary perspectives in solving problems of sustainable development related to business and industry. The course involves using mixed perspectives in finding solutions to economic, social, and environmental challenges of businesses. It highlights the importance of systems and the need to think beyond limits of disciplines.

LAS 197.10

WORK PRACTICUM

6 units

This course combines scholarly literature and practical experience. It applies models on work and on career development. This lifelong leadership journey starts with a deepening of one's self-awareness. The challenge is to align one's passion, talents, money-making machine, and service to society. Reflections focus on the relationships among job, occupation, and career.

LAS 197.20

WORK PRACTICUM

3 units

This course combines scholarly literature and practical experience. It applies models on work and on career development. This lifelong leadership journey starts with a deepening of one's self-awareness. The challenge is to align one's passion, talents, money-making machine, and service to society. Reflections focus on the relationships among job, occupation, and career.

LAS 197.30

WORK PRACTICUM

2 units

This course combines scholarly literature and practical experience. It applies models on work and on career development. This lifelong leadership journey starts with a deepening of one's self-awareness. The challenge is to align one's passion, talents, money-making machine, and service to society. Reflections focus on the relationships among job, occupation, and career.

LAS 197.40

WORK PRACTICUM

1 unit

This course combines scholarly literature and practical experience. It applies models on work and on career development. This lifelong leadership journey starts with a deepening of one's self-awareness. The challenge is to align one's passion, talents, money-making machine, and service to society. Reflections focus on the relationships among job, occupation, and career.

# MARKETING AND LAW

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The Marketing and Law Department's Marketing unit is committed to helping develop future management practitioners, corporate or entrepreneurial, who will create relevant and meaningful value centered around the three contemporary marketing principles of: customer delight, social responsibility, and sustainability.

The Department's Law unit serves the dual role: of providing business law knowledge and expertise that are critical to operating and managing successful and viable organizations; and sustaining the development and continued growth of the Legal Management program.

## MINOR/SPECIALIZATION IN ENTERPRISE DEVELOPMENT

The Minor/Specialization in Enterprise Development is offered under the School of Management Business Accelerator (SOMBA) program for students who are serious to fulfill their dreams of setting up their own business ventures before graduating from the Ateneo. The student groups are assigned mentors whom they can consult throughout the program. The students will have to go through a full cycle of ideation, prototyping, business registration, sourcing, producing, selling and marketing and creating an exit strategy.

	<b>MINOR IN ENTERPRISE DEVELOPMENT</b>	<b>SPECIALIZATION IN ENTERPRISE DEVELOPMENT</b>
Eligibility	Open to Non-JGSOM majors	Open to JGSOM majors only
Admission Requirements	No pre-requisite subjects (However, non-JGSOM students should be grouped with at least one JGSOM student in the LAB courses)	None
Minimum Grade Requirement	No Grade lower than a C for all subjects qualified for the Minor.  At least a grade of C+ in either MKTG 140.01 or MKTG 140.02  Average of at least 2.50 for the courses MKTG 141.01, MKTG 141.02 and MKTG 142.02	No Grade lower than a C for all subjects qualified for the Minor  At least a grade of C+ in MKTG 140.02  Average of at least 2.50 for the courses MKTG 141.01, MKTG 141.02 and MKTG 142.02
Program Curriculum	<u>Required Courses (15 units)</u> MKTG 140.01 SOMBA Business Venture 1 (LECTURE) MKTG 140.02 SOMBA Business Venture 2 (LAB) MKTG 141.01 SOMBA Business Development 1 (LECTURE) MKTG 141.02 SOMBA Business Development 2 (LAB) MKTG 142.02 SOMBA Start up Operations 2 (LAB)	<u>Required Courses (12 units)</u> MKTG 140.02 SOMBA Business Venture 2 (LAB) MKTG 141.01 SOMBA Business Development 1 (LECTURE) MKTG 141.02 SOMBA Business Development 2 (LAB) MKTG 142.02 SOMBA Start up Operations 2 (LAB)
Total Units	15 units	12 units

## MINOR/SPECIALIZATION IN MARKETING

The Minor/Specialization in Marketing program provides interested students with a structured and coherent program of study in marketing.

	<b>MINOR IN MARKETING</b>	<b>SPECIALIZATION IN MARKETING</b>
Eligibility	Open to non-JGSOM majors only	Open to JGSOM majors only
Admission Requirements	At least a grade of B in MKTG 111 Marketing Management	At least a B in any of the following subjects: MKTG 111 Marketing Management, <b>OR</b> MKTG 111.03 Entrepreneurial Marketing (Mgt/Mgt-H), <b>OR</b> MKTG 111.04 Entrepreneurial Marketing (MAC)

Minimum Grade Requirement	No Grade lower than a C for all subjects qualified for the Minor	No Grade lower than a C for all subjects qualified for the Minor
Program Curriculum	<p><u>Required Courses (12 units)</u>  MKTG 111 Marketing Management  MKTG 118 Brand Management  MKTG 192 Marketing Research  MKTG 113/119 Marketing Communications  <b>OR</b> Sales Management*  *Students who take both MKTG 113 and MKTG 119 can have the second one credited as one of the Marketing elective</p> <p><u>Electives (3 units; choose one)</u>  MKTG 113.03 Advertising Management  MKTG 113.04 Marketing Communication in an Asian Context  MKTG 116 Direct Marketing  MKTG 119.03 Sales and Distribution Management  MKTG 122.04 Non-Traditional Marketing for Entrepreneurs  MKTG 125 International Marketing  MKTG 125.03 International Business Opportunities  MKTG 125.04 Export Marketing  MKTG 125.05 European Marketing and Business Strategy  MKTG 125.06 Understanding International Trade and Competition  MKTG 126 Digital Marketing  MKTG 127.03 Fashion Merchandising Management  MKTG 128.03 Consumer Behavior and Marketing Psychology  And other Marketing-related electives, as approved by the Program Director</p>	<p><u>Required Courses (9 units)</u>  MKTG 118 Brand Management  MKTG 192.03 Marketing Research (not for Mgt-H; Mgt)  MKTG 113/119 Marketing Communications  <b>OR</b> Sales Management*  *Students who take both MKTG 113 and MKTG 119 can have the second one credited as one of the Marketing elective</p> <p><u>Electives (3 units; choose one)</u>  MKTG 113.03 Advertising Management  MKTG 113.04 Marketing Communication in an Asian Context  MKTG 116 Direct Marketing  MKTG 119.03 Sales and Distribution Management  MKTG 122.04 Non-Traditional Marketing for Entrepreneurs  MKTG 125 International Marketing  MKTG 125.03 International Business Opportunities  MKTG 125.04 Export Marketing  MKTG 125.05 European Marketing and Business Strategy  MKTG 125.06 Understanding International Trade and Competition  MKTG 126 Digital Marketing  MKTG 127.03 Fashion Merchandising Management  MKTG 128.03 Consumer Behavior and Marketing Psychology  And other Marketing-related electives, as approved by the Program Director</p>
Total Units	15 units	12 units



## COURSE OFFERINGS

### LLAW 111

#### BUSINESS LAW AND TAXATION

3 units

In this course, students are introduced to basic business law concepts of Obligations and Contracts as well as common business transactions entered into such as sales, lease, loan and mortgage, donation, and the like. The students are shown that these business transactions have tax and ethical consequences. Thereafter they are to appreciate and compute relevant taxes depending on the transaction.

### LLAW 113

#### OBLIGATIONS AND CONTRACTS

3 units

This course is an in-depth study of the nature, kinds, and effects of obligations and their extinguishments; contracts, their requisite, form, and interpretation; and defective contracts, quasi-contracts, natural obligations, and estoppel.

### LLAW 113.03

#### LAW ON BUSINESS TRANSACTION

3 units

Prerequisite: LLAW 111 or LLAW 113

This course is an introduction to basic concepts in the laws pertinent to the practical nuances of checks, mortgages, loans, pledges, agency contracts, lease agreements, and sales in order for future managers to be guided accordingly in their day-to-day business activities.

### LLAW 113.04

#### RETAIL TRADE LAWS AND CONSUMER ACT

3 units

Prerequisite: LLAW 111 or LLAW 113

This course is the study of the Republic Act No. 8767, otherwise known as the Retail Trade Liberalization Act, and its amendments, if any, and of the various consumer protection laws and regulations. This course deals with the study on the specific details of the laws on attracting potential investors in the retail industry in the Philippines and protecting consumer welfare. Emphasis is on how these laws impact local retailers particularly as regards consumer rights.

### LLAW 114

#### LAW ON BUSINESS ORGANIZATIONS

3 units

Prerequisite: LLAW 111 or LLAW 113

This course is an introduction to the basic laws in organizing a business; the SEC rules on businesses and securities; and the concepts of intellectual property, the protection it guarantees, and the actions involved therein.

### LLAW 114.03

#### BUSINESS PROTECTION LAW

3 units

Prerequisite: LLAW 111 or LLAW 113

An introduction to the basic provisions of property rights, their classification, acquisition, and ownership. The course includes the study of the intellectual property law, the protection it guarantees, and the actions and remedies involved therein such as those arising from unfair competition, false designation of origin, or false description.

LLAW 115

LAW ON TAXATION

3 units

Prerequisite: LLAW 111 or LLAW 113

This course introduces the basic principles of taxation, specifically the common provisions on income tax, value added tax, excise tax, estate tax, documentary tax, capital gains tax, and donor's tax; rudimentary strategies in tax sheltering and minimization of tax assessments; and rudimentary tax calculations.

LLAW 115.03

TAXATION II

3 units

Prerequisite: LLAW 115

This course studies the fundamental concepts and principles of income taxation, estate and gift taxation, VAT, and other forms of taxation; and the computation and procedural requirements thereof. Topics include remedies available to the government and the taxpayer, compliance requirements and statutory offenses, and penalties.

LLAW 115.04

LAW ON BUSINESS AND TRANSFER TAXATION

3 units

Prerequisites: LLAW 115

The course aims to provide students with an overview of laws and revenue regulations related to the percentage taxes that businesses regularly pay, including the various kinds of transfer taxes. This course thus helps students recall and expand their knowledge on Income Taxation. Court case studies and tax computations are used to deepen their understanding of the nature of these transactions.

LLAW 116

LABOR LAW AND SOCIAL LEGISLATION

3 units

Prerequisite: LLAW 111 or LLAW 113

This course is an introduction to the basic principles in labor laws and the dynamics involved in labor legislation to effect societal change, as well as techniques in negotiating and bargaining with employees and labor unions.

LLAW 116.03

LABOR (HR RELATIONS) LAW

3 units

This course is a study of employer-employee relations as defined, governed, and regulated by the Labor Code, including cases decided by the Supreme Court. The course borrows from economics, political science, and other social science disciplines.

LLAW 117

FAMILY LAW

3 units

Prerequisite: LLAW 111 or LLAW 113

This course examines the statutory provisions on persons and family relations as contained in the preliminary and human relations chapter of the Civil Code of the Philippines and the Family Code. Topics include property relations between spouses, paternity and filiations, adoption, and support and emancipation.

LLAW 118

CRIMINAL LAW

3 units

Prerequisite: LLAW 111 or LLAW 113

This course is a survey of the system of penal statutes, including the salient provisions of the Revised Penal Code, the Child and Youth Welfare Code as it relates to juvenile delinquents, and the Recent Probation Law,

among others.

#### LLAW 119

##### TORTS AND DAMAGES

3 units

Prerequisite: LLAW 111 or LLAW 113

This course studies the basic concepts concerning quasi-delicts (torts) and their effect on business and personal dealings. Topics include negligence, obligations and liabilities arising from human relations, nuisance and interference in contractual relations, and the concept of civil damages. Supreme Court decisions are examined.

#### LLAW 120

##### DEVELOPMENT LAW

3 units

Prerequisite: LLAW 111 or LLAW 113

This course is an alternative approach to law and the use of legal resources as a tool for societal change. Students analyze the situation, laws, and executive policies relating to the Philippine base sectors of labor, agrarian workers, urban poor, women, youth, and students.

#### LLAW 121

##### CONTEMPORARY ISSUES IN PHILIPPINE CONSTITUTIONAL LAW

3 units

This course is a study of the Constitution as applied to daily human activity, with particular emphasis on the relevance of constitutional concepts to current issues.

#### LLAW 122

##### GOVERNMENT SERVICE AND PUBLIC ADMINISTRATION

3 units

This course highlights the various roles that graduates can assume in government service using the framework of the Philippine government and its need for highly qualified and motivated individuals. Topics include the structure of government, the Office of the President, and economic planning.

#### LLAW 123

##### ENVIRONMENTAL AND SUSTAINABILITY LAWS

3 units

This course surveys Philippine environmental and sustainability laws. International treaties acceded to by the Philippines are discussed to foster awareness that legal issues on the environment and sustainability are a global concern. It introduces the student to procedural laws that can be utilized in being a proactive and responsible stakeholder of the global environment.

#### LLAW 123.03

##### PHILIPPINE LAWS ON SUSTAINABILITY AND INNOVATION

3 units

The course provides an overview of laws and executive issuances that mandate the integration of sustainable development in business, e.g., environmental, labor, and intellectual property laws. This also discusses significant court decisions that interpret the laws and lay down legal doctrines on the matter, as well as case studies on innovative and strategic compliance with the laws that enhance the brand and reputation of the organization.

#### LLAW 124.03

##### PUBLIC INTERNATIONAL LAW

3 units

Prerequisite: LLAW 111 or LLAW 113

This course introduces the principles governing the relationship between states and international legal persons like the United Nations. Topics include the nature of international law and the concept of an international legal person, the relationship between international and municipal law, and issues concerning developing countries.

LLAW 124.05

EUROPEAN BUSINESS LAW

3 units

This course studies the business-related legal environment in the European Union with an overview of the world trading system, and a discussion of significant areas of European business law and policy within the context of the European trading system.

LLAW 126

HOSPITALITY BUSINESS LAW

3 units

This course is an introduction to and overview of the different civil, commercial, and labor laws that have ethical and legal significance to the business of hospitality and/or restaurant management. It includes a discussion of the different business vehicles available to the owner, manager, and entrepreneur. The course study is complemented by simulation exercises of potential legal scenarios to develop the student's ethical and legal appreciation and understanding of the essential business and commercial laws connected and applicable to hospitality and restaurant management.

LLAW 180

SPECIAL TOPICS IN LAW

3 units

Prerequisite: LLAW 111 or LLAW 113

This course discusses special topics in law that are emerging or of current importance and relevance.

LLAW 180.03

SPECIAL TOPICS IN LAW: LAW FOR ART'S SAKE

3 units

This course is an introduction to the Copyright Law provisions of the Philippine Intellectual Property Code and the mode of enforcing such provisions through contracts and administrative and criminal actions.

LLAW 180.04

SPECIAL TOPICS IN LAW: LAW ON MEDIA AND THE ARTS

3 units

This course discusses the legal principles governing the constitutional guarantee of Freedom of Expression. Topics include various laws and regulations on the responsible exercise of this right and the utilization of media, forms of expression and the arts, including acceptable and legal forms of expression.

LLAW 180.05

SPECIAL TOPICS IN LAW: BUSINESS ETHICS AND LAW

3 units

This course prepares students for various ethical and legal challenges that may be encountered outside the university. The main ethical problem could be the conflict between the pursuit of profit and the adherence to ethical principles and values. A legalistic point of view is adopted in the discussion of ethical problems. Discussion of ethical theories helps illustrate differences in moral perspective. Awareness of what is morally right and also of what is legally right is then created. Throughout the discussion of the various ethical issues, the state of the law as regards these issues is thoroughly explained.

LLAW 190

LAW SEMINAR

3 units

This course examines special topics in law that are emerging or of current importance and relevance.

LLAW 192  
LEGAL RESEARCH

3 units

This course is an introduction to the fundamentals of legal research and includes a discussion of the different sources of law and jurisprudence. The study of legal research enables a better understanding of legal issues in various business situations.

LLAW 199  
LEGAL MANAGEMENT THESIS

3 units

Prerequisites: FINN 113, MKTG 111, OPMAN 120

This course is a thesis course that allows students to integrate the knowledge gained from all the subjects taken in the various disciplines under the Legal Management Program. Students work under close faculty supervision to design and implement a major project, with special emphasis on hands-on projects.

MKTG 111  
MARKETING MANAGEMENT

3 units

This is a management course that puts emphasis on a marketing-oriented view of business. It highlights the importance of using marketing research to understand consumer needs and illustrates how product development, pricing, distribution, and promotional activities work together as influences on consumer behavior.

MKTG 111.03  
ENTREPRENEURIAL MARKETING (MGMT)

3 units

Through this course, the management student learns to identify consumer needs, to satisfy these needs in the form of entrepreneurial products or services, to quantify the risks of offering these new products or services to the market, and to evaluate the resulting projects in terms of societal priorities and well-being of the larger community.

MKTG 111.04  
ENTREPRENEURIAL MARKETING (MAC)

3 units

Through this course, the Management of Applied Chemistry student learns to identify consumer needs, to satisfy these needs in the form of entrepreneurial chemistry-based products, to quantify the risks of offering these new products to the market, and to evaluate the resulting projects in terms of societal priorities and well-being of the larger community.

MKTG 111.30  
INTERMEDIATE MARKETING

3 units

Through this course, the student of Restaurant Entrepreneurship learns to identify consumer needs, to satisfy these needs in the form of entrepreneurial products or services in the restaurant industry, to quantify the risks of offering these new products or services to the market, and to evaluate the resulting projects in terms of societal priorities and well-being of the larger community.

MKTG 113  
MARKETING COMMUNICATIONS

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course introduces marketing communications as part of a company's integrated marketing communications (MarCom) program. Topics include the communications cycle, the nature and function of each tool in the MarCom process, and planning and implementing an integrated MarCom program in the Philippines.

MKTG 113.03

ADVERTISING MANAGEMENT

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course is an introduction to advertising from the point of view of account management within the advertising agency, examining the roles played by the different departments of an agency and the related segment of the advertising industry.

MKTG 113.04

MARKETING COMMUNICATION IN AN ASIAN CONTEXT

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course introduces integrated marketing communications (IMC) and the role it plays in achieving brand marketing objectives and in delivering a distinct, consistent, and compelling message about the company and its products. The course takes an Asian perspective, using Asian IMC campaigns as case studies.

MKTG 116

DIRECT MARKETING

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies the basics of marketing products and services directly to the target market through the use of databases, mailing lists, and direct response techniques through the media, including a study of techniques on concept and creative work. Philippine marketing case studies are used.

MKTG 116.03

SPECIAL TOPICS IN ACCOUNTING

3 units

This course is an introduction to network marketing. Topics include the mathematics of network marketing, ways of making products available in the marketplace, data analysis and support, characteristics and qualities of a network marketer, and sales recruitment/training and motivation.

MKTG 118

BRAND MANAGEMENT

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies basic marketing that integrates learning from finance, accounting, management, and economics as applied to actual products in the marketplace. Students are given specific brand assignments and are to think and decide like real-life marketing professionals. Heavy emphasis is given to group dynamics.

MKTG 118.03

STRATEGIC MARKETING

3 units

This course studies the role of marketing in an organization as defined by its overall strategic plan. Focus is on long-term marketing strategies and techniques to meet changing market conditions and achieve company objectives. Emphasis is on market positions, market segmentation, and product life cycle.

MKTG 119

SALES MANAGEMENT

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies the analysis, planning, implementation, and control of sales activities. Topics include setting objectives, designing strategy, recruiting, selecting, training, supervising, and evaluating the sales force.

MKTG 119.03  
SALES AND DISTRIBUTION MANAGEMENT

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies the tools in developing a winning marketing strategy, such as efficient sales management and effective distribution systems. Topics include alternative designs of distribution systems and how the choice of particular designs and channels of distribution affects the attainment of marketing objectives.

MKTG 119.04  
CREATIVE SALESMANSHIP

3 units

This course discusses skills in personal selling. The course offers an opportunity to apply theory to practice by preparing actual sales presentations tailored to specific target markets. Topics include basic concepts and techniques in creativity and the importance of the application of creativity in business.

MKTG 119.05  
ELECTRONIC COMMERCE

3 units

This course is an introduction to the internet, its ramifications, and implications in the way we do business with it. Topics include domain names and registration, the World Wide Web, tools, search engines, browsers, and cookies.

MKTG 120.03  
HOTEL AND RESTAURANT MANAGEMENT

3 units

This course is an introduction to the food and beverage industry, specifically the restaurant industry. Topics include the techniques, activities and tasks involved in conceptualizing, opening, controlling, and managing a food and beverage operation.

MKTG 120.04  
SERVICES MARKETING – SELLING THE INTANGIBLE

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies the basics of Service Marketing for better understanding of the unique dynamics that characterize this discipline, where the core product is a performance/act described as intangible. The end goal is a better appreciation of the differences between marketing goods and marketing services.

MKTG 122  
ENTREPRENEURSHIP

3 units

This is a practical course on the stages of business planning. Students undertake fieldwork, which includes market research and market-testing. The final output is a detailed business plan, or a blueprint for a new small to medium-sized business venture.

MKTG 122.04  
NON-TRADITIONAL MARKETING FOR ENTREPRENEURS

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course is an introduction to key concepts and practical methods of marketing under a restricted budget, a prevalent situation in most start-up businesses and SMEs. Focus is on non-traditional marketing and selling techniques, although cost-saving techniques and use of tri-media ads are also explored.

MKTG 125  
INTERNATIONAL MARKETING

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course introduces the challenges that arise from a firm's internationalization process; the skills needed to understand the cultural, economic, and political environments within which global firms operate; and the basic concepts and tools for creating and managing marketing strategies on a global scale.

MKTG 125.03

INTERNATIONAL BUSINESS OPPORTUNITIES

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies foreign markets, domestic capabilities, competition, shipping alternatives, raw material supply situation, incentive plans, credit availability, and imports to support export development, and diversification.

MKTG 125.04

EXPORT MARKETING

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies the principles of globalization and its impact on the Philippine economy. Topics include the principles and rationale of exporting Philippine-made products and services as a source of foreign exchange earnings, generating employment, transferring technology, and generating foreign investments.

MKTG 125.05

EUROPEAN MARKETING AND BUSINESS STRATEGY

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course studies the strategic decisions and management of a firm, examining issues central to its long- and short-term position, addressing questions on the creation or reinforcement of competitive advantage, beginning at the level of the business unit, and then moving to European business operations.

MKTG 125.06

UNDERSTANDING INTERNATIONAL TRADE & COMPETITION

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course introduces international trade and competition as vital areas of concern for managers. Topics include theories, policy areas, domestic and international rules and regulations, practices of international trade and competition, and approaches to the formulation of firm or management strategies for international business transactions.

MKTG 126

DIGITAL MARKETING

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This online course facilitates the understanding of the fundamentals of digital marketing and its benefits in brand awareness and brand building. It introduces different digital marketing channels, and applies each to various campaigns. It encourages the discovery of emerging trends in digital marketing.

MKTG 126.03

MARKETING OVER THE INTERNET

3 units

This course studies the internet and the principles of internet marketing. Topics include online promotion, the use of conventional promotion to enhance hits on a website, methods of internet marketing, selling to distributors and wholesalers, drop-shipping, consignment, and selecting and accepting online payments.



MKTG 127  
RETAIL MARKETING

3 units

This course tackles how to make retail businesses improve sales and profitability in a local supermarket setting. Learning is enhanced by providing a venue for application of classroom teachings i.e. real stores as business cases.

MKTG 127.03  
FASHION MERCHANDISING MANAGEMENT

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

The course covers merchandising concepts, methods and calculations vital to successful business practices in the fashion industry. It also studies the principles, procedures, and techniques practiced by buyers and merchandisers of fashion goods in determining what assortments to buy and which resources to select depending on the market segment.

MKTG 128.03  
CONSUMER BEHAVIOR AND MARKETING PSYCHOLOGY

3 units

This course is designed to provide students with an introduction to consumer behavior as viewed from a psychological lens and underscores the need to understand how and why consumers behave as they do. It covers the fundamentals of consumer behavior and the consumer decision process, as well as the basic elements of psychology such as human needs, perceptions, beliefs, attitudes and intentions, motivation, and learning as they influence consumer behavior. The course emphasizes that human psychology can inform the development of marketing activities as it provides insights on how consumers think, feel, and select among different alternatives.

MKTG 140.01  
SOMBA: BUSINESS VENTURE 1, LECTURE

3 units

Co-requisite: MKTG 140.02

This course is first of a three-consecutive-term program that coaches students in developing their product or service idea into a working model. Students are involved in the essentials of product development and present a prototype of their business proposal at the end of the term.

MKTG 140.02  
SOMBA: BUSINESS VENTURE 2, LABORATORY

3 units

Co-requisite: MKTG 140.01

This course is the first of a three-consecutive-term program that coaches students in developing their product or service idea into a working model. Students are involved in the essentials of product development and present a prototype of their business proposal at the end of the term.

MKTG 141.01  
SOMBA: BUSINESS DEVELOPMENT 1, LECTURE

3 units

Co-requisite: MKTG 141.02

Launching New Business Ventures teaches the student how to proceed from business ideas to setting up a startup firm employing an entrepreneurial mindset backed by appropriate management tools, integrating passion and creativity into a rigorous methodology. It focuses on the design thinking, validated learning and strategy development processes for a startup business. This includes product development, customer validation and finding the product-market fit, recognizing and managing risks, developing robust but flexible plans and strategies that can fit into sustainable, scalable and repeatable business models, preparing the

ethical and legal foundation for the firm, and identifying the relevant metrics that will enable the startup to prove objectively that it is learning how to grow a sustainable business.

MKTG 141.02

SOMBA: BUSINESS DEVELOPMENT 2, LABORATORY

3 units

Co-requisite: MKTG 141.01

This is the second of three laboratory courses in developing a new enterprise that guides students from their approved business concept and prototype to the actual registration of the enterprise with the relevant government agencies and the launching of their product or service. Students are mentored primarily in progressing their proof-of-concept to a commercializable product/service. They are also coached in validating a repeatable and scalable business model for their enterprise. Office space and facilities are provided to serve as their startup business address for marketing and selling their products and/or services.

MKTG 142.01

SOMBA: START UP OPERATIONS 1, LECTURE

3 units

Co-requisite: MKTG 142.02

This is the THIRD of THREE laboratory courses of MKTG 140 developing a new enterprise that guides the students in the management of their growing enterprise.

MKTG 142.02

SOMBA: START UP OPERATIONS 2, LABORATORY

3 units

Co-requisite: MKTG 142.02

This is the third of a three-consecutive term-program. Entrepreneurial teams focus on the commercial production, marketing, sales, and finance aspects of their product. As companies focus on their endeavor as "going concerns", students are coached on financial statement preparation.

MKTG 143.02

BUSINESS VENTURE 2, LABORATORY - MAC

3 units

This first of three laboratory courses in developing a new enterprise guides the students to progress their accepted business proposal to the formulation of a feasible business concept, the justification for its incubation, and the development of a proof of concept/prototype through direct hands-on learning, guided by formal mentoring and coaching during class hours. The students are expected to meet with their group outside regular class/consultation hours to work on and develop their venture enterprise.

MKTG 179

ADVANCED MARKETING

3 units

Prerequisite: MKTG 111 or MKTG 111.30

This course studies the varying nature of markets both in the Philippines and abroad and the marketing strategies adopted when approaching clearly distinct markets. Topics include the consumer, industrial, agricultural, services, and export markets.

MKTG 179.30

ADVANCED MARKETING (RENT)

3 units

Prerequisite: MKTG 111 or MKTG 111.30

This course studies the varying nature of markets both in the Philippines and abroad and the marketing strategies adopted when approaching the hospitality segment. The focus is on strategic marketing within an international context.

MKTG 181

THEORIES AND APPLICATIONS OF MARKETING IN MARKET-DRIVEN ORGANIZATIONS

3 units

This is a seminar course on topics in marketing that may be emerging, or are of current importance and relevance.

MKTG 182

SPECIAL TOPICS IN COMMUNICATION TECHNOLOGY

3 units

This course discusses special topics in communication technology that are of current importance, relevance, and of general interest.

MKTG 183

BLUE OCEAN STRATEGY (MARKETING INNOVATION)

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course discusses the latest thinking in marketing and strategy. The Blue Ocean Strategy introduces the concept of value innovation wherein both differentiation and low-cost strategies are formulated simultaneously. Focus is on the formulation of Blue Ocean via the strategy canvas and the 4-action framework.

MKTG 190

SEMINAR IN MARKETING

3 units

This is a seminar course on topics in marketing that may be emerging, or are of current importance and relevance.

MKTG 191

SEMINAR IN ENTREPRENEURSHIP

3 units

This is a seminar course on topics in entrepreneurship that may be emerging, or are of current importance and relevance.

MKTG 192

MARKETING RESEARCH

3 units

Prerequisite: MKTG 111, MKTG 111.03, MKTG 111.04, or MKTG 111.30

This course is a scientific approach to decision making in marketing decisions. Topics include cost and value of information, product testing, consumer files, research design, sampling techniques, data-gathering techniques, creative data interpretation, simulation, and implementation of actual research findings.

MKTG 192.03

MARKETING RESEARCH (MGMT)

3 units

This course provides a basic introduction to Marketing followed by a comprehensive overview of Marketing Research. Topics include key concepts and processes of Marketing Research as well as the various techniques (such as data gathering and sampling techniques) and their applications. The course also covers research design and the use of both qualitative and quantitative methods for gathering, analyzing, and interpreting research data. Students gain an appreciation of the importance of marketing research as a valuable aid to decision making.

MKTG 198

INTEGRATIVE PROJECT

3 units

Prerequisites: COMM 27, MKTG 111, and MSYS 25

Under close faculty supervision, students design and implement a term-long and hands-on major project that integrates what they have learned from the courses taken from the various disciplines in the Management of Communications Technology program.

# QUANTITATIVE METHODS AND INFORMATION TECHNOLOGY

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The Quantitative Methods and Information Technology (QMIT) Department prepares future managers to be aware and to be prepared in utilizing technology to continuously improve business processes and make informed business decisions. To achieve this,

The QMIT Department houses two sub-units. The 'Quantitative Methods' unit helps prepare students with their future careers as managers by equipping them with essential quantitative tools and methods. The courses under this unit focus on applied quantitative courses such as business statistics, quantitative research methods, production/operations management and operations research. These courses aim to prepare management students to be comfortable in using quantitative methods as part of their business decision making processes.

The 'Information Technology' unit helps propel the students with the necessary skills to be comfortable in the domain of Information Technology. The array of courses includes business software applications, basic computer programming, IT Fundamentals, business process re-engineering, and information engineering. These courses train students to effectively use computers and information technology to their business advantage.

## COURSE OFFERINGS

DECSC 22

INTRODUCTION TO DECISION MAKING AND MANAGEMENT SCIENCE

3 units

The course introduces the student to rational decision making and the application of mathematical modeling to decision making in various management contexts using a systems thinking approach. Students learn case analysis, simple model construction, spreadsheet modelling and visualization. The second half of the course focuses on quantitative decision making tools such as decision trees, multicriteria decision making, and simple financial models to name a few.

DECSC 23

INTRODUCTION TO DECISION MAKING AND DECISION SCIENCE

3 units

The course introduces the student to rational decision making using either a programmed strategy or a non-programmed in various management contexts through the lens of systems thinking. Students learn case analysis, spreadsheet modelling and visualization. The second half of the course focuses on the various qualitative frameworks and tools used in decision making such as Root cause analysis, Ishikawa Diagram, and Activity Mapping to name a few.

DECSC 25

CREATIVE THINKING AND INNOVATION MANAGEMENT

3 units

This course provides students with an understanding of how creativity and innovation can be facilitated and managed in a work setting. Students learn theoretical conceptualizations of creativity and innovation as well as practical applications involved in fostering creativity and innovation in the workplace. This course equips students with an understanding of the main issues in the management of innovation in general and an appreciation of the relevant skills needed to manage innovation at both strategic and operational levels.

DECSC 31

DECISION ANALYSIS

3 units

This course is a study of real world decision-making, combining quantitative and qualitative approaches. Decision making is viewed not solely as a rational, unambiguous process, but as filled with uncertainty, assumptions, perceptions, and personal interests. By working with real-world problems, students may gain understanding not only of the rational processes involved in decision-making but also non-rational human approaches to problem solving.

DECSC 33

INTRODUCTION TO BUSINESS ANALYTICS

3 units

This course provides an introduction to the field of business analytics by identifying, evaluating, and capturing business analytics opportunities that create value to an organization. It also includes an intensive review of decision making processes within organizations, with emphasis on the use of data and analytic models to support key strategies and implementation plans. Towards the end of the course, students analyze case studies on organization that successfully deployed these business analytic models.

DECSC 140

CORPORATE MODELS AND DECISION SUPPORT SYSTEMS

3 units

This course deals primarily with building business and social models using system dynamics, a technique popularized by Prof. Jay Forrester of the Massachusetts Institute of Technology. The I-THINK and/or STELLA software are used to build these dynamic models.

DECSC 140.03

DECISION SUPPORT WITH SPREADSHEETS

3 units

This course deals with the use of spreadsheets for decision support. The focus is an applied understanding of how spreadsheets are used to gather, analyze and present business information in an organization.

DECSC 141

SYSTEMS MODELING (SUST 110)

3 units

This course introduces system dynamics modeling for sustainability policy and strategy. Students learn to visualize a sustainable organization in terms of the structures and policies that create dynamics and regulate performance; and to recognize and deal with situations where policy interventions are likely to be delayed, diluted, or defeated by unanticipated reactions and side effects. System dynamics allows creation of 'micro-worlds' where space and time can be compressed, slowed, and stopped to show long-term side effects of decisions, systematically explore new strategies, and understand complex systems. The course uses role playing games, simulation models, case studies, and management flight simulators.

DECSC 141.03

SYSTEMS THINKING FOR SUSTAINABILITY

3 units

This course covers the concepts, tools and applications of system dynamics modeling for sustainability policy and strategy. A program for systems dynamics modeling facilitates the visualization of the dynamics of the interplay of structures, policies, interventions, performance, delays, and other effects. Changing parameters in the model allow for analysis of long-term side effects of decisions, systematic exploration of strategies and interventions, and understanding of complex systems. The outputs of the course should contribute to the development of the master's thesis.

ITENT 111.01

AN INTRODUCTION TO TECHNOLOGY ENTREPRENEURSHIP, LECTURE

2 units

As an introduction to technology entrepreneurship, the course gives the students an idea about entrepreneurship, the entrepreneurial business process, its importance to our society, and its role in bringing new ideas to market. Special emphasis is placed on identifying opportunities and understanding the challenges for start-ups and other new entrants. The course also focuses on an in-depth study of the rapidly evolving global information technology industry. Students analyze the role of regulatory, technological, economic, and competitive dynamics.

ITENT 111.02

AN INTRODUCTION TO TECHNOLOGY ENTREPRENEURSHIP, LABORATORY

1 unit

The laboratory component of the introduction to technology entrepreneurship aims to familiarize the students with the current trends in technology and investigate the tactics and strategies of the companies who are at the forefront of these technologies through intensive seminar discussions, brainstorming sessions and business idea refinement.

ITENT 120

USER EXPERIENCE DESIGN

3 units

This course introduces students to the principles, processes and skills behind creating user-centered digital products from concept to prototype; from user testing to storytelling and wireframing. Students also develop skills during hands-on exercises in the key areas of UX design; customer research, problem-solving and rough prototyping through collaborative design.

ITENT 155  
TECHNOLOGY VENTURE PLANNING  
3 units

The course focuses on the development of a well-crafted business plan by exploring the underlying successes and failures of start-up technology companies throughout the corporate lifecycle: starting new ventures, writing business plans, acquiring other businesses, and making existing enterprises profitable.

ITENT 156  
TECHNOLOGY VENTURE LABORATORY  
3 units

Prerequisite: ITENT 155

The course focuses on monitoring and assisting the students in two aspects of the business venture set-up: a) monitoring the development of the technology that they are developing and b) setting up and registering their business within the context of the Philippine business environment. It also tackles issues on the technology development lifecycles, being a technology entrepreneur in the Philippine environment, how to go about registering the new business, identifying the documents necessary to register the business and how to deal with the various government agencies.

ITENT 157  
TECHNOLOGY VENTURE START-UP I  
3 units

Prerequisite: ITENT 156

The course centers on the discussion of how entrepreneurs manage a new technology business venture. Among the specific issues that may be selected for discussion are the importance of financial control in a technology venture start-up, the establishment of control processes for marketing, sales and customer satisfaction using current Web 2.0 technologies, the need to learn how to manage time and negotiate with suppliers and clients, and the creation of awareness of the new venture through the use of the internet.

ITENT 158  
TECHNOLOGY VENTURE START-UP II  
5 units

Prerequisite: ITENT 156

The course focuses on imparting and developing the soft skills needed by budding entrepreneurs in order to manage their new venture within the context of the technology industry. A sample set of topics in this course includes virtual team management, I.T. team motivation, time management, and negotiation skills.

ITENT 198.1  
TECHNOLOGY VENTURE IMPLEMENTATION I  
5 units

Prerequisite: ITENT 157

The course focuses on identifying strategies the students may want to pursue to grow the business and on understanding the implications and challenges for managing business growth. Among the specific issues that are discussed include the various methods for expanding the venture like joint ventures, mergers and acquisitions, franchising, and going public.

ITENT 198.2  
TECHNOLOGY VENTURE IMPLEMENTATION II  
3 units

Prerequisite: ITENT 157

The course allows the student to assess and synthesize the lessons that s/he learned in his/her development as a technology entrepreneur through the use of local and global real life cases, allowing the students to look forward and strategize on how the business that they created will evolve.



#### ITMGT 20

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS

3 units

This course is a practical application of MS Office Programs to business needs, such as Word's desktop publishing features and organizing and analyzing data for linear programming using Excel. Topics may include creating a webpage and maximizing the utility of the World Wide Web with FTP.

#### ITMGT 20.03

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS (BYOD)

3 units

The course provides an introduction to the use of the Microsoft Suite and Google Suite of Application and its application in a business setting.

#### ITMGT 20.11

##### BASIC INFORMATION TECHNOLOGY: APPLICATIONS IN BUSINESS: EXCEL+DATA VISUALIZATION

3 units

The course is designed to cover the basics of M.S. Excel (or its equivalent) and its functions and features for use in a business environment. The course then proceeds to the use of various tools to perform data visualization using data captured or stored in a spreadsheet.

#### ITMGT 20.12

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS:

##### EXCEL + E- COMMERCE DEVELOPMENT

3 units

The course is designed to cover the basics of M.S. Excel (or its equivalent) and its functions and features for use in a business environment. The course then proceeds to an introduction of the development of an E-commerce site using existing web development platforms. Information that is gathered, manipulated, cleaned and analyzed from a spreadsheet developed in the Excel component is then used to populate the developed E-Commerce site.

#### ITMGT 20.13

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS: EXCEL + VBA LITE

3 units

The course is designed to cover the basics of M.S. Excel (or its equivalent) and its functions and features for use in a business environment. The course then proceeds to an introduction to the basics of the Excel Visual Basic for Applications (VBA) programming language.

#### ITMGT 20.51

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS BYOD:

##### EXCEL + DATA VISUALIZATION

3 units

The course is designed to cover the basics of M.S. Excel (or its equivalent) and its functions and features for use in a business environment. The course then proceeds to the use of various tools to perform data visualization using data captured or stored in a spreadsheet. (The course is held in a classroom rather than in a computer laboratory. Students are requested to bring their own laptop or share the use of one with a classmate).

#### ITMGT 20.52

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS BYOD:

##### EXCEL + E-COMMERCE DEVELOPMENT

3 units

The course is designed to cover the basics of M.S. Excel (or its equivalent) and its functions and features for use in a business environment. The course then proceeds to an introduction of the development of an E-Commerce site using existing web development platforms. Information that is gathered, manipulated, cleaned and analyzed from a spreadsheet developed in the Excel component is then used to populate the

developed E-commerce site. (The course is held in a classroom rather than a computer laboratory. Students are requested to bring their own laptop or share the use of one with a classmate).

#### ITMGT 20.53

##### BASIC INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS: EXCEL + VBA LITE

3 units

The course is designed to cover the basics of M.S. Excel (or its equivalent) and its functions and features for use in a business environment. The course then proceeds to an introduction to the basics of the Excel Visual Basic for Applications (VBA) programming language. (The course is held in a classroom rather than a computer laboratory. Students are requested to bring their own laptop or share the use of one with a classmate).

#### ITMGT 25

##### INFORMATION TECHNOLOGY APPLICATION PROGRAMMING

3 units

The course is designed as an introduction to programming, data manipulation, analysis and visualization using Python and the available modules and libraries.

#### ITMGT 25.03

##### INFORMATION TECHNOLOGY APPLICATION PROGRAMMING (BYOD)

3 units

The course is designed as an introduction to programming, data manipulation, analysis and visualization using Python and the available modules and libraries. (This is the BYOD version of ITMGT 25).

#### ITMGT 40

##### INFORMATION TECHNOLOGY FUNDAMENTALS

3 units

Prerequisite: ITMGT 20 or ITMGT 25

This course is an introduction to the major components of current information technology, providing the knowledge, skill, and the confidence to meet the increasing challenges from IT at work, the profession, and even one's personal life.

#### ITMGT 45

##### THE DIGITAL ECONOMY

3 units

The course gives an overview of the changes in today's society due to the rapid digital transformation. It examines the development and scope of the digital economy from a local and a global scale, the business challenges, opportunities and implication that results from this digital transformation.

#### ITMGT 45.03

##### E-BUSINESS FUNDAMENTALS

3 units

Prerequisite: ITMGT 20 or ITMGT 25

This course studies electronic business which covers electronic commerce and includes the servicing of customers, collaborating with business partners, and conducting electronic transactions within an organization via computer networks including the Internet. This course integrates technology with business skills and techniques into a strategic perspective.

#### ITMGT 121

##### INFORMATION TECHNOLOGY PROJECT MANAGEMENT

3 units

Prerequisites: ITMGT 20 or ITMGT 25, CSCI 25 or ITMGT 130

This course is an introduction to the general principles of management in the information system environment, including the interrelationships between systems development methodologies and project

management tools and techniques, analytical methods, problem solving approaches, communication skills, and team participation and leadership.

#### ITMGT 125.1

##### GAMING AND MANAGEMENT GAMES

3 units

Prerequisite: ITMGT 20 or ITMGT 25, ACCT 115, MKTG 111

This is a seminar course with the use of a scenario, game, simulation, or model to provide a background or environment in which a set of individuals usually referred to as players will act. Participants play games in various fields, such as the Stanford Bank Management Simulator, the Executive Game, the Marketing Management Game. The case method is used, but with the participant able to see the effects of his decisions and recommendations.

#### ITMGT 126

##### ADVANCED INFORMATION TECHNOLOGY APPLICATION PROGRAMMING

3 units

Prerequisite: ITMGT 25

This course studies the design of efficient algorithms through the use of various techniques, such as top-down design, structured programming constructs, and other software engineering methods. Topics include a discussion of the latest approaches to programming and the latest techniques in testing and quality assurance.

#### ITMGT 130

##### INFORMATION ENGINEERING

3 units

Prerequisite: ITMGT 20 or ITMGT 25

This course is an introduction to the development of information in the computer world, with a discussion on database systems, object oriented management, electronic document management, and the interface of IT with other functional areas of management.

#### ITMGT 149.03

##### INFORMATION TECHNOLOGY APPLICATIONS IN THE MARKETING INDUSTRY

3 units

Prerequisites: ITMGT 20 or ITMGT 25, MKTG 111

This course is a study of the telecommunications industry from a marketing perspective. Topics include available products, how they are sold, and how they are chosen by consumers, including an introduction to telecommunication networks and a discussion of the Internet.

#### ITMGT 149.04

##### INFORMATION TECHNOLOGY APPLICATIONS IN THE FINANCIAL INDUSTRY

3 units

Prerequisite: ITMGT 20 or ITMGT 25

This course is a study of computer applications using the latest computer technologies and software, which can include spreadsheets, database management, word processing, and graphical presentations. Hardware discussions can include ATMs, credit card verifiers, and bar code equipment.

#### ITMGT 149.23

##### MANAGEMENT INFORMATION SYSTEMS (MIS)

3 units

Prerequisite: ITMGT 20 or ITMGT 25

This course introduces the key concepts in the planning, development, and management of information systems in an organization, with an overview of technologies that have influenced the present state of information systems, data communications, database management, computer hardware developments, and present trends and concerns.

ITMGT 152  
INFORMATION TECHNOLOGY SYSTEMS PLANNING

3 units

Prerequisites: ITMGT 20 or ITMGT 25, ITMGT 40 and at least two JGSOM courses

This course introduces systems for planning in an organization or corporation, including the existing environments, management objectives and directions, the formulation of comprehensive strategies, planning for the implementation of the strategies, and getting mass and management commitment and cooperation for the success of the plan.

ITMGT 161  
IT-ENABLED BUSINESS ORGANIZATIONS

3 units

This course is a functional overview of the primary concepts of business functions and various information technology applications to support each. The course culminates with integration topics to appreciate how the key business functions come together to ensure the firm's success.

ITMGT 162  
ENTERPRISE COMPETITIVENESS THROUGH ICT

3 units

This course introduces ICT through the Business Management System (BMS). The model aids SMEs in identifying key success factors as well as the ICT interventions that enable the entire process. Topics include concepts and processes that empower managers to design their own internet strategy.

ITMGT 163  
INFORMATION TECHNOLOGY AND BUSINESS STRATEGY (APPLICATION)

3 units

Prerequisites: ITMGT 20 or ITMGT 25 and at least two JGSOM courses

This course is an in-depth study of organizational issues in managing information and information technology as a strategic resource in an organization.

OPMAN 120  
PRODUCTION AND OPERATIONS MANAGEMENT

3 units

This course is an introduction to the various elements, relevant concepts, and tools of production and operations management, providing an integrated framework for understanding the field and its importance in the success of a business.

OPMAN 122  
KITCHEN OPERATIONS MANAGEMENT (LAB)

2 units

Kitchen Operations Management is the Introductory Culinary Arts Laboratory course for BS Restaurant Entrepreneurship students. The course provides general information about kitchen operations and the fundamentals of cookery. It covers the fundamental skills of cookery starting from knife skills, mise en place, to the basics of cookery which includes stocks, soups, sauces, as well as product and ingredient knowledge.

OPMAN 123  
CULINARY PRACTICE (LAB)

2 units

Culinary Practice builds on introductory skills and knowledge that students gained in Kitchen Operations Management (OPMAN 122) by developing intermediate and advanced culinary and management skills and knowledge.

OPMAN 125  
INTERMEDIATE PRODUCTION OPERATIONS MANAGEMENT

3 units

Prerequisite: QUANT 162

This course introduces the functional area of production management. The course begins with an introduction to the nature of production systems and then expounds on the various components of the production process, focusing on the use and application of quantitative techniques learned from previous courses.

OPMAN 131.04  
BUSINESS PROCESS RE-ENGINEERING

3 units

This course is a study of the fundamentals of redesigning existing business processes and operating structures, covering the core elements and general models of BPR. Cases featuring successful re-engineering programs of different companies are also discussed.

OPMAN 131.05  
INTRODUCTION TO SIX-SIGMA FOR PROCESS IMPROVEMENT

3 units

Prerequisite: OPMAN 120 or OPMAN 125

This course is an introduction to the Six-Sigma methods for improving business processes with the goal of increasing both customer satisfaction and the organization's financial health. Topics include the principles of Six-Sigma, the methodology of DMAIC, design for Six-Sigma, and Six-Sigma implementation.

OPMAN 141  
PRODUCTION PLANNING & INVENTORY CONTROL

3 units

Prerequisite: OPMAN 120 or OPMAN 125

This course studies production planning, focusing on optimizing resources in transforming raw materials into finished goods. Topics include the effective use and control of these resources, inventory control, and the integration of the two functions in helping operations personnel manage production, given resource constraints.

OPMAN 142  
PRODUCT DEVELOPMENT

3 units

This course introduces the techniques in developing consumer products, blending the perspectives of marketing, product development, and manufacturing. Topics include development processes and the various organizational units involved, gaining consumer insight and converting these into technical specifications, development and testing of concepts/prototypes, and market delivery.

OPMAN 143  
MATERIALS MANAGEMENT

3 units

Prerequisite: OPMAN 120 or OPMAN 125

This course is a study of materials management with a discussion on the underlying principles of the management function. Newest developments in this area are introduced.

OPMAN 145  
SUPPLY CHAIN MANAGEMENT

3 units

Prerequisite: OPMAN 120 or OPMAN 125

This course studies the supply chain management as the integration of all production activities done, from procurement, transformation of materials into finished goods, and delivery. Topics include the traditional

purchasing function, inventory decisions, distribution, and other activities that are important in supply and distribution decisions.

OPMAN 146

SERVICE MANAGEMENT

3 units

This is a course on the effective management of service operations which requires specialized analytical frameworks and tools. Focus is on simple models and the underlying economics of the service operations considered.

OPMAN 149.03

AN OVERVIEW OF THE PROCUREMENT PROCESSES IN THE PHILIPPINES

3 units

The course introduces the procurement activities based on RA 9184 for the Philippine Government, whether for IT equipment, construction materials, office supplies, or consulting service. It discusses how organizations, in general, prepare for project biddings and how vendors prepare the most competitive proposals. This allows students to see both sides of the procurement process.

OPMAN 150

QUALITY AND PRODUCTIVITY

3 units

Prerequisite: OPMAN 120 or OPMAN 125

This course is a study of quality and productivity programs for gaining a competitive advantage or as a means of survival. Different tools and techniques that are used in the improvement of productivity and quality in both service and manufacturing operations are discussed.

OPMAN 151

QUALITY SERVICE MANAGEMENT

3 units

The purpose of this course is to develop in students an appreciation of quality and service excellence as a fundamental strategic orientation that delivers customer value and ensures superior performance and sustainable competitive advantage.

OPMAN 159.03

FOOD QUALITY MANAGEMENT

3 units

Prerequisite: OPMAN 122

Food Quality Management aims to develop students' skills and knowledge to ensure safe commercial kitchen food handling, preparation, and storage, consistent with Hazard Analysis and Critical Control Point (HACCP). HACCP is an internationally recognized system for reducing the risk of safety hazards in food.

OPMAN 160

PROJECT MANAGEMENT FUNDAMENTALS

3 units

This course is an overview of project management focusing on project initiation and control. Topics include the different project types; the project life cycle; and the intricacies of defining and monitoring project details through work breakdown structures, the precedence diagramming method, and earned value analysis.

OPMAN 161

PROJECT MANAGEMENT TOOLS AND TECHNIQUES

3 units

This course discusses the technical and social aspects of project management. Focus is on analytical frameworks and tools in project management for the successful planning and execution of initiatives such as

research, marketing campaigns, product development, business process reengineering, construction, mergers, acquisitions, and corporate restructuring.

OPMAN 162

MANAGING PROJECT TEAMS

3 units

This course is an overview of team management, focusing on how teams are formed and assessed and how its individual members are managed. Topics include the basic concepts of the People Capability Maturity Model and the importance of leadership and communication in building successful teams.

OPMAN 163

STRATEGIC PROJECT MANAGEMENT

3 units

Prerequisites: OPMAN 160, OPMAN 161

This course is an introduction to the development and use of a strategic design and management framework. Topics include situation and stakeholder analysis, change management, and the critical evaluation of project results.

OPMAN 170

INTRODUCTION TO INDUSTRIAL ECOLOGY

3 units

The course provides an overview of industrial ecology, referred to as the "science of sustainability," and its systems-based approach to environmental problems where society's physical metabolism (or material and energy turnover) is analyzed alongside technological and socio-economic factors to arrive at more sustainable production-consumption systems. Students are introduced to the field's theoretical foundations and analytical methods (e.g., material flow analysis, energy analysis, life cycle assessment, input-output analysis), with emphasis on their application to concrete products, sectors, and economies. The outputs of the course should contribute to the development of the master's thesis.

OPMAN 171

SPECIAL TOPICS IN ENVIRONMENTAL MANAGEMENT

3 units

Prerequisite: OPMAN 120 or OPMAN 125

This course is a study of environmental issues and approaches that affect management decisions, cultivating an ecosystem perspective and sustainable development ethic against which current environmental challenges are discussed. Topics include applications of environmental operations management tools for business/project planning, operations, monitoring, and evaluation.

OPMAN 172.03

FOOD AND BEVERAGE SERVICE (LAB)

2 units

The purpose of this subject/unit is to develop an understanding of the food and beverage service operations required of personnel within the international hotel, restaurant and associated industry.

OPMAN 172.04

FOOD AND BEVERAGE MANAGEMENT

2 units

The purpose of this course is to introduce students to the complex subject of food and beverage management and cost control techniques commonly used in international hospitality establishments.

QUANT 20

BUSINESS STATISTICS AND RESEARCH METHODS

3 units

This course studies the basic concepts and quantitative techniques used in statistical analysis toward the application of these principles in specific problems in managerial research and decision making, and in other fields that require the proper collection, processing, analysis, and interpretation of numerical data.

QUANT 30  
APPLIED STATISTICS: TOOLS AND APPLICATIONS

3 units

This course is an introduction to the methods of statistical analysis for application in various fields, focusing on statistical reasoning and primary statistical techniques used in solving managerial problems. Emphasis is on statistical description, statistical induction, time series analysis, and analysis of statistical relationships.

QUANT 31  
STATISTICS AND RESEARCH

3 units

This course is an introduction to the basic concepts and quantitative techniques used in statistical analysis toward the application of these principles in specific problems in managerial research and decision making. Emphasis is on research design development, probability, and statistical induction.

QUANT 32  
INFERENCE STATISTICS

3 units

This course is an introduction to the basic concepts and quantitative techniques used in statistical analysis toward the application of these principles in specific problems in managerial research and decision making. Emphasis is on probability, statistical induction, and analysis of statistical relationships.

QUANT 33  
STATISTICAL ANALYSIS

3 units

This course discusses the basic concepts and quantitative techniques used in statistical analysis toward the application of these principles in specific problems in managerial research and decision making. This covers research design, descriptive statistics, inferential statistics, and multivariate analysis of statistical relationships, with an emphasis on explaining statistical relationships.

QUANT 34  
STATISTICAL MODELING

3 units

This course discusses the basic methods of statistical modeling for application in various fields, focusing on statistical reasoning and primary statistical techniques used in solving managerial problems. This covers research design, descriptive statistics, inferential statistics, and multivariate statistical modeling, with an emphasis on predictive modeling.

QUANT 121  
APPLIED STATISTICAL MODELLING

3 units

Prerequisite: MATH 61.2

This course discusses business research tools and approaches in capturing the behavior of observed phenomena or variables using statistical modeling techniques. Topics include formulation of the research problem, data analysis using inferential statistics, and multivariate modeling techniques with emphasis on model building and validation.

QUANT 128  
ADVANCED QUANTITATIVE METHODS

3 units

Prerequisites: MATH 62.1 or QUANT 20; QUANT 162; QUANT 163



This course supplements learning from other quantitative courses such as statistics and operations research to further develop analytical thinking skills. Topics include game theory, heuristics, engineering economy, non-linear programming, and graph theory; and other issues related to testing, controls, and implementation of solutions.

#### QUANT 129.03

##### SAMPLING AND DESIGN OF EXPERIMENTS

3 units

Prerequisite: MATH 62.1

This is a seminar course on experimental and survey designs and the skills needed in analyzing the data from these sources, which include censuses, sample surveys, experiments, and office records.

#### QUANT 129.04

##### STATISTICAL QUALITY CONTROL

3 units

Prerequisites: MATH 62.1 or QUANT 30; OPMAN 121 or OPMAN 120 or OPMAN 125

This course is a study of how statistical quality control (SQC) can settle problems among the engineering, production, and inspection areas. Topics include the use of Shewhart control charts in manufacturing and non-manufacturing applications, concepts of acceptance sampling, and a brief introduction to ISO 9000X.

#### QUANT 160

##### BASIC PRINCIPLES OF OPERATIONS RESEARCH

3 units

Prerequisite: QUANT 30 or MATH 62.1 or MATH 60.2

This course introduces operations research (OR) as a management discipline, with a discussion on the management situations that give rise to the practice of this management science, and specific cases and illustrative examples of common actual OR-oriented approaches and techniques used in these situations.

#### QUANT 161

##### LINEAR PROGRAMMING

3 units

Prerequisite: QUANT 30 or MATH 62.1

This course introduces the quantitative approach to management. Topics include the situations in which operations research (OR) can be applied; the models that can be used, starting with basic linear programming (LP); the simplex method and its extensions; other algorithms and models; and graph theory.

#### QUANT 161.03

##### LINEAR PROGRAMMING APPLICATIONS

3 units

Prerequisite: QUANT 161

This course studies the applications of linear programming and the Operations Research process. The case method is applied and the use of computers for solving LP problems is introduced. Projects or actual studies may be required and implementation concerns and issues are discussed.

#### QUANT 162

##### INTERMEDIATE OPERATIONS RESEARCH

3 units

Prerequisite: MATH 31.3

This course is a quantitative approach to management that introduces the general quantitative approach, and the requisites of problems and situations where OR can be applied; presentations of pertinent models that can be used, starting with basic problems of linear programming.

#### QUANT 163

##### ADVANCED OPERATIONS RESEARCH

3 units

Prerequisite: QUANT 162

This course is a further study of operations research. Topics include other models that serve as examples of a different discipline and different solution approaches; certain theoretical derivations, with a focus on the reality, problems, controls, and other considerations for implementation of the determined solutions.

QUANT 164

OPERATIONS RESEARCH MODELLING APPLICATION

3 units

Prerequisite: QUANT 163

This is a capstone course for the OR or quantitative management series. This course exposes students to more varied types of problems, to motivate them to be creative and extrapolative in deriving new models for consideration, and to strengthen their skills in controls and implementation.

QUANT 165

OPERATIONS RESEARCH APPLICATION

3 units

Prerequisite: QUANT 160

This course is a further study of operations research in which real-life cases are discussed and related to additional OR models. This course covers approaches that expand the scope, knowledge, and skills to instinctively recognize management situations where OR techniques can be prescribed and applied.

QUANT 192

RESEARCH METHODS AND BUSINESS MODELLING TECHNIQUES

3 units

This course discusses the various approaches to undertaking business research and capturing the behavior of observed phenomena using statistical modeling techniques. Topics include formulation of the research problem, data collection, multivariate modeling techniques for data analysis, and interpretation. Emphasis is on model building and validation.

SCHOOL *of*  
SCIENCE AND  
ENGINEERING

Dr. Evangeline P. Bautista  
*Dean*

# BIOLOGY

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The Department of Biology envisions itself as the premier provider of excellent education and research in biomedical sciences, biotechnology, ecology and systematics, microbiology, molecular biology, and bio-education, applying a holistic, rigorous and innovative approach to the biological sciences. Its alumni become prime movers and leaders in medicine, research, industry, and the academe, working toward nation-building from a Filipino, Catholic, and Jesuit perspective.

The Department of Biology commits itself to excellence and leadership in undergraduate and graduate programs in the fields of biodiversity, biomedicine, microbiology, molecular biology, and bio-education. It is guided by a dynamic and relevant curriculum that incorporates the strengths of Ateneo tradition and the challenges of the future. As an innovative center of learning, teaching, and research in the life sciences, it is dedicated to serving the University, the country, and all of humanity for the greater glory of God.

## BACHELOR OF SCIENCE IN BIOLOGY

BS Biology is a four-year undergraduate honors program that provides a rigorous approach to the biological sciences. Only students belonging to the top 15 percentile rank of those who passed the Ateneo College Entrance Test are admitted to the program. Its curriculum, consisting of essential biological disciplines and over 50 options for majors' electives, provides excellent preparation for medical schools, as well as for graduate studies in institutions here and abroad. Majors choose from among four areas of Specialization, namely: Biomedical Science, Cell and Molecular Biology, Ecology and Systematics, and Microbiology. The majors are given rigorous training through innovative teaching strategies that are complemented by laboratory courses and training through the undergraduate Thesis and Practicum. Majors choose eight electives within their chosen area, ultimately leading to a formal Specialization in that area upon graduation.

The BS Biology program provides comprehensive preparation for further education in biology and related fields, including medical studies. Since 1971, the B.S. Biology program has belonged to the top pre-medical programs in the University, graduating (as of May 2018) 1,369 individuals, a significant majority of whom went on to pursue medical studies. Most, if not all of our medically inclined graduates have enrolled in top medical schools in the country and even abroad. Graduate research programs are another option for our majors. The BS Biology program has produced outstanding researchers, practitioners, and educators in medicine, biodiversity and conservation, microbiology, and molecular biology. Others have used their rigorous training, discipline, and analytical skills in diverse fields such as law, consultancy, and business.

### *Program Learning Outcomes*

The dynamic nature of the BS Biology program, rooted in the Ateneo tradition, Filipino culture, and cognizant of the challenges of the future, is fit to produce BS Biology graduates who are proficient in the basic principles of Biology and all its disciplines. He/she recognizes the impact of science and respects its limitations. Due to their outstanding professional training, they can navigate through the complex relationship of science and society with confidence.

When confronted with scientific problems, the graduates of the BS Biology program are equipped with the ability to design methods and protocols that utilize scientific reasoning. Making use of appropriate techniques and practices, they are capable of creative solutions. Our graduates routinely employ statistics and mathematical concepts to analyze data, uphold its integrity, and contribute to the advancement of knowledge in the scientific world.

Our BS Biology graduates are well-aware of their ethical responsibility in their chosen fields. As the Philippines becomes more and more situated in the global community, they are at the forefront of medicine, research, industry, and the academe. Capable of both leadership and teamwork, they are at par with other professionals regardless of discipline and culture.

The ideal BS Biology graduates can effectively communicate, both orally and in writing, the information, ideas, problems, and solutions to varied audiences. Their commitment to life-long learning and sharing knowledge imbues in them a spirit of active participation in scientific fora and discussions. The rigorous training in the sciences instills perseverance and resilience, pushing our graduates to overcome challenges, both personal and professional.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
BIO 31.01	Biostatistics, Lecture	2	BIO 110.01	General Botany, Lecture	3
BIO 31.02	Biostatistics, Laboratory	1	BIO 110.02	General Botany, Laboratory	2
BIO 100.01	General Zoology, Lecture	3	CHEM 31.21	Introduction to Analytical Chemistry for Biologists, Lecture	2
BIO 100.02	General Zoology, Laboratory	2	CHEM 31.22	Introduction to Analytical Chemistry for Biologists, Laboratory	1
MATH 10	Mathematics in the Modern World	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	FLC 11	Foreign Language and Culture 11	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	17(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		20(2)

		<b>SECOND YEAR</b>	
<u>Intersession</u>		<u>Units</u>	
BIO 120.01	Microbiology, Lecture	3	
BIO 120.02	Microbiology, Laboratory	2	
SocSc 12	The Contemporary World	3	
	TOTAL	8(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
BIO 130.01	Genetics, Lecture	3	BIO 150.01	General Ecology, Lecture	3
BIO 130.02	Genetics, Laboratory	2	BIO 150.02	General Ecology, Laboratory	2
CHEM 41.21	Introduction to Organic Chemistry for Biologists, Lecture	2	CHEM 51.21	Biochemistry for Biologists, Lecture	3
CHEM 41.22	Introduction to Organic Chemistry for Biologists, Laboratory	1	CHEM 51.22	Biochemistry for Biologists, Laboratory	2
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)	TOTAL		19(5)

		<b>THIRD YEAR</b>	
<u>Intersession</u>		<u>Units</u>	
BIO 160.01	Evolutionary Biology, Lecture	3	
BIO 160.02	Evolutionary Biology, Laboratory	2	
ArtAp 10	Art Appreciation	3	
	TOTAL	8(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 30.01	Biophysics, Lecture	2	BIO 170.01	Developmental Biology, Lecture	3
BIO 30.02	Biophysics, Laboratory	2	BIO 170.02	Developmental Biology, Laboratory	2
BIO 140.01	Cell and Molecular Biology, Lecture	3	BIO 171.01	General Physiology, Lecture	3

BIO 140.02	Cell and Molecular Biology, Laboratory	2	BIO 171.02	General Physiology, Laboratory	2
BIO 155.01	Systematics, Lecture	3	BIO 199.1	Thesis I: Bioseminar	2
BIO 155.02	Systematics, Laboratory	2	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	21(0)
	TOTAL	20(3)			

#### FOURTH YEAR

<b><u>Interession</u></b>		<b><u>Units</u></b>
BIO 197	Practicum	3
	TOTAL	3(0)

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
BIO 199.2	Thesis II	2	BIO 199.3	Thesis III	2
SPECIALIZATION	Biology Specialization	3	SPECIALIZATION	Biology Specialization	3
SPECIALIZATION	Biology Specialization	3	SPECIALIZATION	Biology Specialization	3
SPECIALIZATION	Biology Specialization	3	SPECIALIZATION	Biology Specialization (Lecture, 3 units) (LEC3)	3
SPECIALIZATION	Biology Specialization	3	SPECIALIZATION	Biology Specialization (Laboratory, 2 units) (LAB2)	2
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3
	TOTAL	20(0)		TOTAL	19(0)

Total Number of Academic Units: 175 (14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN LIFE SCIENCES

B.S. Life Sciences is a 4-year undergraduate honors program that provides an exciting, dynamic, and highly interdisciplinary approach to the life sciences. Majors are trained rigorously in fundamental biology courses while also taking essential courses in external disciplines depending on which of two Tracks they pursue. Those who pursue the *Communication Track* take courses in communication and the creative arts, giving them the necessary tools for effective engagement of the public in biological discussions across multimedia platforms. Those who pursue the *Management Track* take courses in management, leadership, and entrepreneurship to train them in managing operations and resources related to the biological sciences. The Communication Track prepares students for careers in the academe, journalism, research, advocacy work, and multimedia platforms, where they are expected to enhance the reach and significance of biological knowledge among the general public. The Management Track prepares students for managerial positions in biotechnology, biological resources management, and the pharmaceutical industry, among others.

### *Program Learning Outcomes*

The nature of the BS Life Sciences program, rooted in Ateneo tradition, Filipino culture, and mindful of the needs of the future, is fit to produce graduates who are proficient in the basic principles of Biology, with particular focus on communication and management. The graduates recognize the impact of science and respect its limitations. Due to their outstanding professional training, they can navigate through the complex relationship of science and society with confidence.

In a world growing increasingly skeptical of scientific facts, there is a niche for individuals with the ability to communicate science effectively. BS Life Sciences Communication Track graduates, wary of the over and under simplifications of life sciences issues, understand the value of scientific literacy and are capable of discourse with a variety of audiences. Emphasis is given to media methodologies and modern scientific practices to produce graduates with the ability to critically evaluate and explain biological concepts to industry, the academe, and society, contributing to scientific literacy in the biological sciences. A generalized training in the key life sciences disciplines provides them with critical understanding of biological concepts necessary for proper conversation and public engagement.

Given the global rising trend in biological innovations, it is timely for the University to produce graduates who are capable of effective planning, organizing, coordinating and staffing for industries engaged in the life sciences. Our graduates can become leaders in managing the utilization of innovations biology and devising marketing strategies to make them more attractive to the target audience

Our BS Life Sciences graduates are aware of their ethical responsibility in their chosen fields. As the Philippines becomes more and more integrated in the global community, graduates are expected to be at the forefront of academe, healthcare, industry, and research. The rigorous training in the sciences instills perseverance and resilience, pushing our graduates to overcome challenges, both personal and professional.

**BACHELOR OF SCIENCE IN LIFE SCIENCES**  
(Communication Track)

<u>First Semester</u>		<b>FIRST YEAR</b>		<u>Units</u>	
		<u>Units</u>	<u>Second Semester</u>		
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
BIO 31.01	Biostatistics, Lecture	2	BIO 110.01	General Botany, Lecture	3
BIO 31.02	Biostatistics, Laboratory	1	BIO 110.02	General Botany, Laboratory	2
BIO 100.01	General Zoology, Lecture	3	CHEM 31.21	Introduction to Analytical Chemistry for Biologists, Lecture	2
BIO 100.02	General Zoology, Laboratory	2	CHEM 31.22	Introduction to Analytical Chemistry for Biologists, Laboratory	1
MATH 10	Mathematics in the Modern World	3	MATH 21	University Pre-calculus	3
THEO 11	Faith, Spirituality, and the Church	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	SocSc 11	Understanding the Self	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	17(2)	PHYED 2	Physical Education 2	(2)
				TOTAL	20(2)

**SECOND YEAR**



<u>Interession</u>		<u>Units</u>
BIO 120.01	Microbiology, Lecture	3
BIO 120.02	Microbiology, Laboratory	2
SocSc 12	The Contemporary World	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
BIO 130.01	Genetics, Lecture	3	BIO 150.01	General Ecology, Lecture	3
BIO 130.02	Genetics, Laboratory	2	BIO 150.02	General Ecology, Laboratory	2
CHEM 41.21	Introduction to Organic Chemistry for Biologists, Lecture	2	CHEM 51.21	Biochemistry for Biologists, Lecture	3
CHEM 41.22	Introduction to Organic Chemistry for Biologists, Laboratory	1	CHEM 51.22	Biochemistry for Biologists, Laboratory	2
COMM 20	Communication Theory	3	COMM 21	Media and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
STS 10	Science, Technology, and Society	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)		TOTAL	19(5)

#### THIRD YEAR

<u>Interession</u>		<u>Units</u>
HISTO 12	Readings in Philippine History	3
ArtAp 10	Art Appreciation	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 140.01	Cell and Molecular Biology, Lecture	3	BIO 30.01	Biophysics, Lecture	2
BIO 140.02	Cell and Molecular Biology, Laboratory	2	BIO 30.02	Biophysics, Laboratory	2
COMM 38	Basic TV/Video Production Techniques	3	COMM 24	Science and Risk Communication	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology Of Marriage, Family, and Vocation	3
IE 1	Interdisciplinary Elective 1 – English	3	FLC 11	Foreign Language and Culture 11	3
NSTP 12	National Service Training Program 12	(3)	IE 2	Interdisciplinary Elective 2	3
	TOTAL	17(3)		TOTAL	19(0)

#### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
BIO 143.01	Biotechnology, Lecture	3
BIO 143.02	Biotechnology, Laboratory	2
COMM ELECTIVE	Communication Elective	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
BIO 160.01	Evolutionary Biology, Lecture	3	BIO 198.2	Capstone II	3
BIO 198.1	Capstone I	3	BIO ELECTIVE	Biology Elective	3
COMM 76	Introduction to Journalism	3	COMM 85	Issues in Science Communication	3
COMM 113	Public Relations	3	COMM 180.16	Special Topics in Print Journalism: Writing about Culture	3

SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)		TOTAL	18(0)

Total Number of Academic Units: 170 (14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN LIFE SCIENCES (Management Track)

### FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
BIO 31.01	Biostatistics, Lecture	2	BIO 110.01	General Botany, Lecture	3
BIO 31.02	Biostatistics, Laboratory	1	BIO 110.02	General Botany, Laboratory	2
BIO 100.01	General Zoology, Lecture	3	CHEM 31.21	Introduction to Analytical Chemistry for Biologists, Lecture	2
BIO 100.02	General Zoology, Laboratory	2	CHEM 31.22	Introduction to Analytical Chemistry for Biologists, Laboratory	1
MATH 10	Mathematics in the Modern World	3	MATH 21	University Pre-calculus	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	17(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		20(2)

### SECOND YEAR

<u>Intersession</u>		<u>Units</u>
BIO 120.01	Microbiology, Lecture	3
BIO 120.02	Microbiology, Laboratory	2
SocSc 12	The Contemporary World	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
CHEM 41.21	Introduction to Organic Chemistry for Biologists, Lecture	2	BIO 150.01	General Ecology, Lecture	3
CHEM 41.22	Introduction to Organic Chemistry for Biologists, Laboratory	1	BIO 150.02	General Ecology, Laboratory	2
MATH 30.13	Applied Calculus for Business and Economics I	3	CHEM 51.21	Biochemistry for Biologists, Lecture	3
HISTO 12	Readings in Philippine History	3	CHEM 51.22	Biochemistry for Biologists, Laboratory	2
PHILO 11	Philosophy: The Human Condition	3	FLC 11	Foreign Language and Culture 11	3
STS 10	Science, Technology, and Society	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	18(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		19(5)

### THIRD YEAR

<u>Intersession</u>		<u>Units</u>
MATH 30.14	Applied Calculus for Business and Economics II	3

ArtAp 10	Art Appreciation	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
BIO 130.01	Genetics, Lecture	3	BIO 30.01	Biophysics, Lecture	2
BIO 130.02	Genetics, Laboratory	2	BIO 30.02	Biophysics, Laboratory	2
BIO 140.01	Cell and Molecular Biology, Lecture	3	LAS 21	Principles of Management	3
BIO 140.02	Cell and Molecular Biology, Laboratory	2	IE 1	Interdisciplinary Elective 1 – English	3
ACCT 113	Fundamentals of Accounting	3	IE 2	Interdisciplinary Elective 2	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		19(0)
	TOTAL	19(3)			

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
BIO 32	Bioscience Enterprise	3
BIO 143.01	Biotechnology, Lecture	3
BIO 143.02	Biotechnology, Laboratory	2
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
BIO 198.1	Capstone I	3	BIO 198.2	Capstone II	3
BIO ELECTIVE	Biology Elective	3	BIO ELECTIVE	Biology Elective	3
FINN 111	Fundamentals of Finance	3	MGT ELECTIVE	Management Elective	3
MKTG 111	Marketing Management	3	MGT ELECTIVE	Management Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 170 (14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### BIO 1.01

#### FOUNDATIONS OF THE BIOLOGICAL SCIENCES, LECTURE

3 units

Co-requisite: BIO 1.02

Foundations of the Biological Sciences (3 units) is meant for students who did not graduate from the Science, Technology, Engineering, and Mathematics (STEM) Strand and serves as a bridging course to higher biology lecture subjects. It covers basic concepts of biology such as the definitions and origins of life, the hierarchies of organization among living organisms, and evolution.

### BIO 1.02

#### FOUNDATIONS OF THE BIOLOGICAL SCIENCES, LABORATORY

2 units

Co-requisite: BIO 1.01

Foundations of the Biological Sciences (2 units) complements the lecture course BIO 1.02. It is meant for students who did not graduate from the Science, Technology, Engineering, and Mathematics (STEM) Strand and serves as a bridging course to higher biology laboratory subjects. It trains students in basic laboratory procedures such as microscopy, specimen preparation, collection, the scientific method, and good laboratory practice.

### BIO 22

#### WELCOME TO THE CLONE CLUB:

#### CLONING ETHICS AND GENETICS IN "ORPHAN BLACK" AND OTHER SCI-FI WORKS

3 units

Welcome to the Clone Club: Cloning Ethics and Genetics in "Orphan Black" and Other Sci-fi Works (3 units) tackles cloning technology in popular culture, primarily through the insightful and intelligent television series "Orphan Black." This course discusses the science of cloning, grounding it in the field of genetics; and the wealth of bioethical issues surrounding the creation of clones, especially humans. What does it mean to be a clone from a biological, social, legal, and philosophical perspective? What is the price to be paid for being a member of the "Clone Club?"

### BIO 23

#### THE POKÉDEX DECODED: BIOLOGY OF POKÉMON

3 units

The Pokédex Decoded: Biology of Pokémon (3 units) tackles concepts such as the anatomy, morphology, evolution, and ecology of the titular organisms. Although the science behind the franchise mimics concepts seen in reality, the different media in which Pokémon appear only scratch the surface of the biology regarding the growth, survival, development, habits, and adaptability of these organisms. This course locks on to the different concepts ingrained behind the possible nature of these creatures and binds together different biological topics in order to bestow students with knowledge applicable to real organisms.

### BIO 24

#### CRYPTOZOLOGY: THE BIOLOGY OF MYTHICAL CREATURES

3 units

Cryptozoology: The Biology of Mythical Creatures (3 units), deals with the science behind cryptids. This course aims to discuss questions like "What is the science behind bigfoot?", "Is the Loch Ness monster real?", "Do mermaids exist?" and the like. The anatomy, morphology, ecology, and behavior of multiple cryptids are discussed for the students to be able to or refute the existence of these organisms.

### BIO 30.01

#### BIOPHYSICS, LECTURE

2 units

Co-requisite: BIO 30.02

Biophysics, Lecture (BIO 30.01) is a 2-unit lecture course that discusses physical processes across the hierarchical levels of organization in life, from molecular to organismal. The focus is on how physics governs molecular, anatomical, physiological, and ecological function. The course also covers applications in biomedical sciences, ecology, and biotechnology.

#### BIO 30.02

##### BIOPHYSICS, LABORATORY

2 units

Co-requisite: BIO 30.01

Biophysics, Laboratory (2 units) provides an avenue for applying and modeling the various physical processes that govern life on Earth. Exercises that simulate biological and environmental phenomena that affect behavioral, systemic, and organismic processes are focused on. The course also tackles biomedical, ecological, and genetic applications of these physical processes.

#### BIO 31.01

##### BIOSTATISTICS, LECTURE

2 units

Biostatistics, Lecture (2 units) serves as an introduction to basic statistical principles and methods. These include basic descriptive and inferential statistics, as well as data management from collection to presentation, analysis and interpretation. It introduces students to basic experimental design concepts, as well as some common study design examples. Focus is given to data and experiments from various biological sciences and disciplines.

#### BIO 31.02

##### BIOSTATISTICS, LABORATORY

1 unit

Biostatistics, Laboratory (1 unit) complements the lecture course BIO 31.01. The course provides hands-on experience in the collection, analysis, interpretation and presentation of varied forms of biological data. It allows the creation of an experimental design utilizing statistical methods. The course also introduces the utilization of varied software that can be used for various biological problems.

#### BIO 32

##### BIOSCIENCE ENTERPRISE

3 units

Bioscience Enterprise, Lecture (3 units) aims to provide an interdisciplinary education for bioentrepreneurs and future leaders of the life science sector. The syllabus covers an overview of concepts in technology management, the latest in the biomedical science field, together with business management and the ethical, legal and regulatory issues associated with bringing scientific advances to market.

#### BIO 100.01

##### GENERAL ZOOLOGY, LECTURE

3 units

Co-requisite: BIO 100.02

General Zoology, Lecture (3 units) deals with the diversity of form and function in the animal kingdom. The major topics of discussion are animal systematics and structure-function relationships as seen from the cellular to the organism level, thus covering the major evolutionary trends across the major animal taxa and their structures and functions. It includes discussions on human impacts on animal biodiversity and ecology.

#### BIO 100.02

##### GENERAL ZOOLOGY, LABORATORY

2 units

Co-requisite: BIO 100.01

General Zoology, Laboratory (2 units) complements the lecture course BIO 100.01. It develops hands-on laboratory skills that pertain to the study of animals across all hierarchical levels. Topics include specimen

preparation and microscopy, dissection and identification of structures, and identification and classification of animals.

#### BIO 100.1

##### HELMINTHOLOGY

3 units

Prerequisites: BIO 100.01, BIO 100.02

Helminthology (3 units) deals with the anatomy and physiology of medically important worms (cestodes, trematodes, nematodes) and the epidemiology and treatment of diseases caused by these organisms, particularly in the tropics.

#### BIO 100.2

##### HISTOLOGY

3 units

Prerequisites: BIO 100.01, BIO 100.02

Histology (3 units) provides a comparative study of the structure and function of vertebrate tissues and organs using the systems approach. It includes demonstrations and return-demonstrations on the use of microscopic techniques in studying histologic structures. Moreover, it tackles basic applications on biomedicine and research.

#### BIO 100.3

##### AQUATIC ANIMAL NUTRITION

3 units

Prerequisites: BIO 100.01, BIO 100.02

Aquatic Animal Nutrition (3 units) discusses the digestive anatomy, nutrient requirement, and feeding standards for different marine and freshwater species for growth, maintenance, and reproduction. Current demands, trends, operations, management and marketability of the aquaculture industry and its products in the Philippine setting are also discussed.

#### BIO 100.41

##### COMPARATIVE ANATOMY, LECTURE

3 units

Prerequisites: BIO 100.01, BIO 100.02

Co-requisite: BIO 100.42

Comparative Vertebrate Anatomy, Lecture (3 units) deals with important anatomical principles and theories with emphasis on the study of comparative anatomy, phylogeny and an introduction to relationship in structure, function and evolution in vertebrates.

#### BIO 100.42

##### COMPARATIVE ANATOMY, LABORATORY

2 units

Prerequisites: BIO 100.01, BIO 100.02

Co-requisite: BIO 100.41

Comparative Vertebrate Anatomy, Laboratory (2 units) provides skills-based learning of common techniques in anatomical laboratory work, as applied in the study of vertebrate form and function. Through dissections and comparison of various vertebrate specimens, evolutionary trends in this animal group are explored.

#### BIO 100.5

##### ANIMAL BEHAVIOR

3 units

Prerequisites: BIO 100.01, BIO 100.02

Animal Behavior (3 units) discusses animal behavior in the context of evolution and ecology. The behavioral patterns of animals are discussed in the context of the evolution of traits in response to such ecological processes as competition, predation, mating, and parental care.

BIO 100.6  
ANIMAL EMBRYOLOGY

3 units

Prerequisites: BIO 170.01, BIO 170.02

Animal Embryology (3 units) discusses principles of development of animals at the organismal level. Emphasis is on tissue formation and development, as well as later organogenesis of model animals. Furthermore, it also covers applications of biomedical embryology such as normal pregnancy, congenital disorders, and effects of teratogens and mutagens on pregnancy.

BIO 110.01  
GENERAL BOTANY, LECTURE

3 units

Co-requisite: BIO 110.02

General Botany, Lecture (3 units) deals with the diversity of form and function in the plant kingdom. The major topics of discussion include basic morphology and anatomy, physiology, and systematics, thus covering characters present across the major plant taxa. Key insights into their contributions to various aspects of human life are highlighted and discussed.

BIO 110.02  
GENERAL BOTANY, LABORATORY

2 units

Co-requisite: BIO 110.01

General Botany, Laboratory (2 units) complements the lecture course BIO 110.01. It includes exercises that explore their basic structural, functional, and physiological characteristics through microscopic examination, specimen preparation and morphological diagnosis.

BIO 110.11  
PLANT MORPHO-ANATOMY, LECTURE

2 units

Prerequisites: BIO 110.01, BIO 110.02

Co-requisite: BIO 110.12

Plant Morpho-Anatomy, Lecture (2 units), discusses archetypes of internal and external structure across various plant groups. The morphogenesis and anatomical development of basic plant organs is also discussed in detail. Emphasis is placed on the structural and functional specialization of cells, tissues and organs, with a focus on angiosperms.

BIO 110.12  
PLANT MORPHO-ANATOMY, LABORATORY

1 unit

Prerequisites: BIO 110.01, BIO 110.02

Co-requisite: BIO 110.11

Plant Morpho-Anatomy, Laboratory (1 unit) complements the lecture course BIO 110.11. It focuses on microscopic examination and characterization of cells and tissues of the root, stem, leaf, flower, fruit and seeds. The different stages of development of the plant organs are traced. Macroscopic and diagnostic features of the plant organs are observed, examined and described.

BIO 110.2  
PLANT EMBRYOLOGY

3 units

Prerequisites: BIO 170.01, BIO 170.02

Plant Embryology (3 units) deals with the descriptive, comparative, and experimental embryology that controls the fertilization, embryogenesis, and endosperm development of flowering plants. It is integrated with the genetic and molecular mechanisms underlying these processes. Technologies and applications that

emerged from this field, such as plant tissue culture techniques and production of genetically modified plants are discussed.

BIO 111

ENTOMOLOGY

3 units

Prerequisites: BIO 100.01, BIO 100.02

Entomology (3 units) serves as an introduction to the most diverse taxonomic group of organisms, including taxonomy, morphology, anatomy, development, and ecology of insects. These topics are discussed with emphasis on the importance of insects for medicine, pollination, and ecological bioindication. Classification schemes of the major insect orders are studied. Specific focus is given to aquatic and medically important groups. The course incorporates field collection, laboratory study and taxonomic analysis of insects.

BIO 112

INVERTEBRATE ZOOLOGY

3 units

Prerequisites: BIO 100.0, BIO 100.02

Invertebrate Zoology (3 units) deals with the morphology, systematics, ecology, and physiology of representative invertebrates.

BIO 120.01

MICROBIOLOGY, LECTURE

3 units

Co-requisite: BIO 120.02

Microbiology, Lecture (3 units) deals with the basic principles involving methodologies and techniques used in microbiology. Cell structure and function, diversity, and nutrition and metabolism of prokaryotic and eukaryotic microorganisms are highlighted in the discussions. Fundamental techniques utilized in microbiology and the principles behind these are given emphasis. An overview of microbial biotechnology, medical, and industrial microbiology are also presented.

BIO 120.02

MICROBIOLOGY, LABORATORY

2 units

Co-requisite: BIO 120.01

Microbiology, Laboratory (2 units) complements the lecture course BIO 120.01. It aims to cover the fundamental techniques employed in microbiological experiments. Common practices and methods used in the isolation, cultivation, and observation of prokaryotic and eukaryotic microorganisms are emphasized. Special techniques and introduction to specialized fields of microbiology are tackled.

BIO 120.11

BACTERIOLOGY, LECTURE

2 units

Prerequisites: BIO 120.01, BIO 120.02, CHEM 51.21, CHEM 51.22

Co-requisite: BIO 120.12

Bacteriology, Lecture (2 units) focuses on an advanced understanding of bacteria including their taxonomy, metabolism, ecology, and genetics. Special emphasis is given on the relationship between bacteria and humans with an introduction on diseases, epidemiology, pathogenesis, and diagnostic techniques.

BIO 120.12

BACTERIOLOGY, LABORATORY

1 unit

Prerequisites: BIO 120.01, BIO 120.02, CHEM 51.21, CHEM 51.22

Co-requisite: BIO 120.11



Bacteriology, Laboratory (1 unit) complements the lecture course, BIO 120.11. The course emphasizes basic aseptic techniques used in bacterial isolation and cultivation. Methods used in bacterial identification using morphological, cultural, and biochemical characteristics are highlighted. Exercises on common microbiological diagnostic procedures using culture techniques are also done.

#### BIO 120.2

##### MYCOLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02

Mycology (3 units) is an introduction to the general field of fungi and fungi-like organisms. Essential concepts on fungal structure and morphology, taxonomy, ecology, and diversity are given emphasis. A general overview of the impact of fungi relating to humans in terms of diseases and economic importance are also presented.

#### BIO 120.3

##### MEDICAL MICROBIOLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02

Medical Microbiology (3 units) covers the mechanisms of bacterial, fungal, viral, and parasite pathogenesis. Basis for antimicrobial resistance, emerging and rediscovered infectious agents, medical outbreaks, and topics from current medical research literature are also discussed. Several small-scale laboratory demonstrations are presented to focus on the diagnosis of infectious diseases, such as but not limited to: microbial culturing, antimicrobial susceptibility testing, staining, conventional and recent laboratory testing for the identification of infectious organisms, and evaluation of host immune parameters.

#### BIO 120.41

##### FOOD MICROBIOLOGY, LECTURE

3 units

Prerequisites: BIO 120.01, BIO 120.02, CHEM 51.21, CHEM 51.22

Co-requisite: BIO 120.42

Food Microbiology, Lecture (3 units) focuses on factors affecting the growth and survival of microorganisms in food systems. Physical, chemical, and biological controls of microbial growth in food are discussed. Emphasis is given to beneficial uses of microorganisms in food production such as fermentation and preservation. In addition, mechanisms employed by food-borne spoilage and pathogenic microorganisms are characterized according to their survival and elimination.

#### BIO 120.42

##### FOOD MICROBIOLOGY, LABORATORY

2 units

Prerequisites: BIO 120.01, BIO 120.02, CHEM 51.21, CHEM 51.22

Co-requisite: BIO 120.41

Food Microbiology, Laboratory (2 units) complements the lecture course BIO 120.41. The course teaches the techniques in isolation, detection, and cultivation of foodborne microorganisms. Procedures in qualitative and quantitative detection of specific microorganisms present in different types of food are given emphasis. In addition, effects of microbial growth on the physico-chemical characteristics of different foods are also investigated.

#### BIO 120.5

##### INDUSTRIAL MICROBIOLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02, CHEM 51.21, CHEM 51.22

Industrial Microbiology (3 units) covers fundamental and applied aspects in industrial processes focusing on the microorganisms of industrial importance. Principles of screening and strain preservation and

fermentation processes of primary and secondary metabolites production are also discussed. Other microbial products at laboratory, pilot, and industrial scales are also introduced.

BIO 121

VIROLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02, BIO 140.01, BIO 140.02

Virology (3 units) defines what viruses are and how they replicate in their hosts and spread in individuals and populations of bacteria, plants and animals. The molecular biology of viral replication and virus-host interactions is discussed. Methods in studying viruses, applications of viruses in molecular biology are also taken up. Virus infection, control, evolution and roles in disease in the context of the modern world integrate the foundation topics discussed.

BIO 122.01

PARASITOLOGY, LECTURE

3 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 120.01, BIO 120.02

Co-requisite: BIO 122.02

Parasitology, Lecture (3 units) focuses on life stages, vectors, and host-parasite interactions of parasitic protozoans, helminths and arthropods. It discusses human-associated diseases, detection procedure, mode of entry, and mitigating strategies. It covers current events and updates linked to parasite epidemiology and recent development on its treatment.

BIO 122.02

PARASITOLOGY, LABORATORY

2 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 120.01, BIO 120.02

Co-requisite: BIO 122.01

Parasitology, Laboratory (2 units) complements the lecture course BIO 122.01. It focuses on procedures and dissection used to extract and isolate parasites from its host and vector. It includes microscopic examination and morphological characterization of various parasites. Stages of parasite development and mode of infection are also examined.

BIO 123

MICROBIAL ECOLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02, BIO 150.01, BIO 150.02

Microbial Ecology (3 units) deals with the basic principles of the inter-relationships of bacteria, virus, fungi, algae, and protozoa in natural environments. The interaction of microbes with animals and plants and the ecological significance of microbial activities are discussed.

BIO 124

MICROBIAL GENETICS

3 units

Prerequisites: BIO 120.01, BIO 120.02, BIO 130.01, BIO 130.02

Microbial Genetics (3 units) is a course that puts emphasis on microorganisms as major agents of gene transfer. Various patterns of microbial gene transfer and the principles of heredity based on the central dogma of molecular biology are covered. Topics on underlying microbial gene action and regulation in microorganisms are discussed. The impact and importance of microorganisms in recombinant DNA technology and gene cloning are also highlighted.

BIO 125

MOLECULAR MICROBIOLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02, BIO 140.01, BIO 140.02

Molecular Microbiology (3 units) introduces basic knowledge on the molecular biology of microorganisms in relation to their ecology and medical importance. Particular emphasis is given on bacterial gene structure, replication, and expression, mutations, plasmids, and genetic recombination. Correlations of how these behaviors affect bacterial growth in wild-type strains and their adaptation capabilities are given emphasis.

BIO 125.01

MICROBIAL PHYSIOLOGY, LECTURE

2 units

Prerequisites: BIO 120.01, BIO 120.02, BIO 171.01, BIO 171.02

Co-requisite: BIO 125.02

Microbial Physiology, Lecture (2 units) is a course that deals on the study of microbial cell structure and function. Microbial growth, energy utilization, transport, and cell-to-cell communication are comprehensively discussed. An introduction to the mechanisms of microbial antibiotic resistance, biofilm formation, and secondary metabolite-production are covered.

BIO 125.02

MICROBIAL PHYSIOLOGY, LABORATORY

1 unit

Prerequisites: BIO 120.01, BIO 120.02, BIO 171.01, BIO 171.02

Co-requisite: BIO 125.01

Microbial Physiology, Laboratory (1 unit) complements the lecture course BIO 125.01. The course deals with the study of microbial cell structure and function. Experiments relating to microbial growth, characterization and identification, and observation of morphological structures are the main focal points of the course. Exercises demonstrating antimicrobial resistance, biofilm formation, and production of secondary metabolites are also included.

BIO 130.01

GENETICS, LECTURE

3 units

Co-requisite: BIO 130.02

Genetics, Lecture (3 units) discusses the chromosomal and molecular basis of heredity. It also covers genotypic and phenotypic interactions driving organismal development. Furthermore, it deals with the concepts involving the structure, organization and expression of genes at the organismal and population levels.

BIO 130.02

GENETICS, LABORATORY

2 units

Co-requisite: BIO 130.01

Genetics, Laboratory (2 units) complements the lecture course BIO 130.01. It provides students with hands-on experimental approaches in learning and understanding the basic concepts in classical and molecular genetics. Exercises tackle selected problems in Mendelian and non-Mendelian, molecular and population genetics. Modern techniques and applications of analyses are also included.

BIO 130.1

MOLECULAR GENETICS

3 units

Prerequisites: BIO 130.01, BIO 130.02

Molecular Genetics, Lecture (3 units) discusses the architecture, maintenance, expression, control, and regulation of genetic material in prokaryotic and eukaryotic cells. Special topics such as the genetic basis of development, immunity, and cancer serve to illustrate and evaluate the essential roles of genomes in living systems.

### BIO 130.2

#### HUMAN GENETICS

3 units

Prerequisites: BIO 130.01, BIO 130.02

Human Genetics (3 units) is designed to provide students with a thorough knowledge and understanding of the basic concepts of Genetics as it occurs in human beings. The course also underscores some of the most current technologies applied in the analysis of specific problems in Genetics such as human diseases and forensics. Human Genetics encompasses a variety of overlapping fields including classical genetics, cytogenetics, biochemical and molecular genetics, developmental genetics, population genetics, genomics and the fairly recent field of epigenetics.

### BIO 130.3

#### MEDICAL GENETICS

3 units

Prerequisites: BIO 130.01, BIO 130.02

Medical Genetics (3 units) applies the principles and current applications of genetics in the medical sciences. It examines the role of DNA in the current understanding of human disease. Genomics, chromosome abnormalities, metabolic diseases, single gene disorders and genetic aspects of complex diseases like cancer and diabetes are discussed. The complexities in diagnosis of disease and disorders and the ethical dilemmas in contemporary genetic medicine which arise are also tackled.

### BIO 130.4

#### POPULATION GENETICS

3 units

Prerequisites: BIO 130.01, BIO 130.02

Population Genetics (3 units) focuses on the concepts of natural selection, genetic drift, mutation and migration. It discusses how those aforementioned factors influence patterns of genetic variation within populations, inferences about population structure and the speciation process. It covers topics including quantitative genetics, F-statistics, detecting selection and local adaptation, linkage disequilibrium and site of frequency spectrum.

### BIO 140.01

#### CELL AND MOLECULAR BIOLOGY, LECTURE

3 units

Co-requisite: BIO 140.02

Cell and Molecular Biology, Lecture (3 units) discusses the structure and function of the different components of the cell at the molecular level. Biochemical processes, energetics, and cellular interactions are also covered. Fundamental principles on gene structure, organization, and expression are examined. Cancer and immunology serve as models for topics in complex cell interactions in multi-cellular organisms.

### BIO 140.02

#### CELL AND MOLECULAR BIOLOGY, LABORATORY

2 units

Co-requisite: BIO 140.01

Cell and Molecular Biology, Laboratory (2 units) complements the lecture course BIO 140.01. It introduces students to the basic laboratory practices involved in cell and molecular biology. The course provides hands-on exercises on microscopy, isolation and characterization of biomolecules, recombinant DNA techniques, and cell culture.

### BIO 141

#### IMMUNOLOGY

3 units

Prerequisites: BIO 120.01, BIO 120.02, BIO 130.01, BIO 130.02, BIO 140.01, BIO 140.02

Immunology (3 units) is an introduction to the principles of immunology that covers the components and

aspects of the innate and adaptive immune response of multicellular organisms as well as the function of these components in health and disease. Genetic factors governing the immune mechanisms are discussed.

BIO 143.01

BIOTECHNOLOGY, LECTURE

3 units

Prerequisites: BIO 130.01, BIO 130.02, BIO 140.01, BIO 140.02

Co-requisite: BIO 143.02

Biotechnology, Lecture (3 units) introduces the scientific basis, historical development, and current applications of traditional and modern biotechnology. It focuses on the utilization of plants, animals and microbial cells in producing beneficial products for the improvement of human life. The course covers molecular- and cellular-level manipulations and applications in food security, industry, environment and health. Discussions on the ethical, legal, and moral issues brought by these applications guide students in making informed decisions as society adopts modern biotechnology.

BIO 143.02

BIOTECHNOLOGY, LABORATORY

2 units

Prerequisites: BIO 130.01, BIO 130.02, BIO 140.01, BIO 140.02

Co-requisite: BIO 143.01

Biotechnology, Laboratory (2 units) complements the lecture course BIO 143.01. The course covers cell culture and molecular and cellular-level manipulation techniques. It expands on the experiments introduced in Cell and Molecular Biology Laboratory and focuses on both instrumentation and methodologies used in basic modern biotechnology.

BIO 144

BIOINFORMATICS

3 units

Prerequisites: BIO 140.01, BIO 140.02

Bioinformatics (3 units) provides an overview of the inter-disciplinary methods and tools for solving biological problems involving sequences of genomes, transcriptomes, and proteomes. Emphasis is on the use of bioinformatics software for managing and assessing biological data that includes sequences and morphological measurements. Tools for the calculation of evolutionary distances, form and function relationships, molecular structure, and phylogeny are also discussed and utilized. The strengths and limitations of various existing bioinformatics methods are discussed and applied to practical problems encountered in the life sciences.

BIO 145

INTRODUCTION TO MOLECULAR MEDICINE

3 units

Prerequisites: BIO 130.01, BIO 130.02, BIO 140.01, BIO 140.02

Introduction to Molecular Medicine (3 units) provides a molecular insight into the normal processes and diseases of the human body. It gives an overview of the scientific concepts, discoveries, and technologies that have shaped and revolutionized the field of molecular medicine. It also conveys how the outcomes of basic research in molecular medicine figure in the clinic, as well as in society.

BIO 150.01

GENERAL ECOLOGY, LECTURE

3 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02, BIO 120.01, BIO 120.02

Co-requisite: BIO 150.02

General Ecology, Lecture (3 units) deals with the interactions of organisms with each other and with their environment on the level of individuals, populations, communities, and ecosystems. Discussions cover the

interplay of abiotic and biotic factors through an evolutionary perspective on key ecological processes occurring across these levels. The course also covers the impacts of human activities on global ecology.

#### BIO 150.02

##### GENERAL ECOLOGY, LABORATORY

2 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02, BIO 120.01, BIO 120.02

Co-requisite: BIO 150.01

General Ecology, Laboratory (2 units) complements the lecture course BIO 150.01. It trains students in basic field and laboratory methodologies employed in ecological studies. These include sampling procedures, biodiversity assessments, and simulations of ecological relationships. The course culminates in a field study to be conducted at a natural ecosystem outside the university.

#### BIO 150.1

##### MARINE BIOLOGY

3 units

Prerequisites: BIO 150.01, BIO 150.02

Marine Biology (3 units) deals with the diversity and ecology of marine species across the biological kingdoms. Marine organisms across habitats – from the intertidal mangroves and seagrass beds to the coral reefs and the open sea – and the various ecological processes that affect them are discussed. Current issues in human impacts on the marine environment are also covered.

#### BIO 151

##### BIODIVERSITY

3 units

Prerequisites: BIO 150.01, BIO 150.02

Biodiversity (3 units) helps students understand the processes involved in the development of the tremendous variety and variation of life; appreciate the nature and importance of genetic, species, ecosystem and cultural diversity; learn essential methods used in proper documentation of biological resources; and become aware of the issues on loss of global and local biodiversity.

#### BIO 152

##### PRINCIPLES OF CONSERVATION BIOLOGY

3 units

Prerequisites: BIO 150.01, BIO 150.02

Principles of Conservation Biology (3 units) deals with the maintenance, loss, and preservation of global and local biodiversity. Biodiversity and allied fields are discussed alongside economics and resource management, stressing the multidisciplinary and rapid development in the search for solutions to problems in conservation biology. Special emphasis is on conservation biology and sustainable development of biological resources in the Philippines.

#### BIO 153

##### MOLECULAR ECOLOGY

3 units

Prerequisites: BIO 140.01, BIO 140.02, BIO 150.01, BIO 150.02

Molecular Ecology, Lecture (3 units) discusses the increasing use of molecular techniques in approaching problems in ecology, evolution, biodiversity, and conservation. Concepts and issues from a wide range of topics including genes and their products, behavior, population structure, microbial diversity, and genetically modified organisms are discussed. The course also covers molecular ecology techniques such as molecular marker development, molecular diagnostics, and barcoding.

#### BIO 154

##### PHYSIOLOGICAL ECOLOGY

3 units

Prerequisites: BIO 150.01, BIO 150.02, BIO 171.01, BIO 171.02

Physiological Ecology (3 units) deals with the interplay between the physiological mechanisms of organisms and their environment. It delves into how organisms adjust their behavior and physiology in response to environmental changes in order to survive and reproduce successfully. Among the physico-chemical factors affecting the activities of organisms and thus are focused on in the course are temperature, light availability, water availability, salinity, and pH. This course is particularly significant due to the environmental fluctuations brought about by changing global climate.

BIO 155.01

SYSTEMATICS, LECTURE

3 units

Prerequisites: BIO 160.01, BIO 160.02

Systematics, Lecture (3 units) serves as an introduction to the principles of modern systematic biology, including nomenclature, taxonomy, classification, cladistics, and phylogenetics. These topics are discussed within the context of modern evolutionary biology, with emphasis on the phylogenetic aspect. Classification schemes of the major taxa are studied. Specific focus is given to select taxonomic groups.

BIO 155.02

SYSTEMATICS, LABORATORY

2 units

Prerequisites: BIO 160.01, BIO 160.02

Systematics, Laboratory (2 units) complements the lecture course BIO 155.01. It introduces students to the various methods utilized in the practice of systematic biology including taxonomic description, identification, and classification of various organisms. It also involves complementary taxonomic techniques, such as sample collection, preparation, storage, and documentation. The course trains students in methods used in modern phylogenetic analysis such as cladistics, morphological and morphometric analysis, and molecular genetic analysis.

BIO 160.01

EVOLUTIONARY BIOLOGY, LECTURE

3 units

Prerequisites: BIO 150.01, BIO 150.02

Co-requisite: BIO 160.02

Evolutionary Biology, Lecture (3 units) discusses key principles and concepts of evolution, highlighting its central role in the biological sciences. The course includes overviews of the history of evolutionary thought micro- and macroevolutionary processes, major mechanisms of evolution (i.e. genetic drift, natural selection, gene flow), and links to other biological disciplines. The evolutionary history of the human species is also covered, including societal views on evolution and its increasing importance in such fields as medicine.

BIO 160.02

EVOLUTIONARY BIOLOGY, LABORATORY

2 units

Prerequisites: BIO 150.01, BIO 150.02

Co-requisite: BIO 160.01

Evolutionary Biology, Laboratory (2 units) complements the lecture course BIO 160.01. It allows students to directly observe, investigate, analyze, and reconstruct key evolutionary concepts and processes through hands-on field and laboratory activities. Topics include phylogenetic reconstruction, microevolution, genetic change, and simulations of evolutionary processes.

BIO 161

BIOGEOGRAPHY

3 units

Prerequisites: BIO 160.01, BIO 160.02

Biogeography (3 units) deals with the geographical distribution patterns of species and the various factors that determine them. The focus is on ecological and evolutionary factors, such as dispersal and vicariance, and anthropological sources of pattern changes over time. Being a course that covers multiple disciplines within Biology, pertinent concepts not only in biology but also in geography and geology are discussed.

BIO 170.01

DEVELOPMENTAL BIOLOGY, LECTURE

3 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Co-requisite: BIO 170.02

Developmental Biology, Lecture (3 units) discusses principles of development of plants and animals at the organismal and molecular levels. Emphasis is on tissue formation and development, as well as later organogenesis of model plants and animals.

BIO 170.02

DEVELOPMENTAL BIOLOGY, LABORATORY

2 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Co-requisite: BIO 170.01

Developmental Biology, Laboratory (2 units) complements the lecture course BIO 170.01. It includes exercises that explore the development of plants and animals. This is done through microscopic and gross specimen examination of reproductive systems and their products. Model organisms are examined at various stages of development.

BIO 171.01

GENERAL PHYSIOLOGY, LECTURE

3 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Co-requisite: BIO 171.02

General Physiology, Lecture (3 units) uses a systems approach to the study of plant and animal organismic form and function in the maintenance of homeostasis. Topics also include the application of physiological concepts in understanding common diseases.

BIO 171.02

GENERAL PHYSIOLOGY, LABORATORY

2 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Co-requisite: BIO 171.01

General Physiology, Laboratory (2 units) complements the lecture course BIO 171.01. It includes exercises that are intended to give a hands-on experience on physiological processes and concepts making use of physiochemical techniques, instruments, and simulations.

BIO 171.1

HUMAN ANATOMY AND PHYSIOLOGY

3 units

Prerequisites: BIO 171.01, BIO 171.02

Human Anatomy and Physiology (3 units) is a lecture course on the essential principles and concepts of the structure and function of the human body and the mechanisms for maintaining homeostasis. The study of cells and tissues, the different organ systems, and how these organ systems function and interact with each other are discussed. Topics include certain disease processes that affect the human body.

BIO 171.2

GASTRO-INTESTINAL BIOLOGY & NUTRITION

3 units



Prerequisites: BIO 171.01, BIO 171.02

Gastro-intestinal Biology and Nutrition (3 units) focuses on the human digestive system. The course provides the students with knowledge on the anatomy and physiology of the digestive system, and as well as basic nutrition concepts. It also delves into the biochemical pathways of metabolism. Furthermore, it requires students to use this basic information in understanding common gastro-intestinal and nutritional diseases, diagnostic tests assessing gastro-intestinal function, and application of nutritional concepts on health and fitness.

BIO 171.3

ENDOCRINOLOGY

3 units

Prerequisites: BIO 171.01, BIO 171.02

Endocrinology (3 units) focuses on the normal anatomy and physiology of the human endocrine system. It also discusses the biochemistry of the hormones involved in homeostasis. Furthermore, it requires students to use this basic information in understanding common endocrine diseases, their presentation, diagnostic tests to assess endocrine function, and basics in management of these diseases.

BIO 171.4

CARDIO-RESPIRATORY BIOLOGY

3 units

Prerequisites: BIO 171.01, BIO 171.02

Cardio-respiratory Biology (3 units) is a course that deals with the normal anatomy and function of the cardiovascular and respiratory systems. The course includes discussions on diseases in both systems to further emphasize cardio-respiratory biology. Topics include common clinical instruments like the stethoscope, ECG to give a more practical and complete overview of both systems.

BIO 171.5

NEUROBIOLOGY

3 units

Prerequisites: BIO 171.01, BIO 171.02

Neurobiology (3 units) is a course that deals with the normal anatomy and physiology of the central and peripheral nervous system, its effects on human function and behavior, as well as common diseases that affect it. Specific nervous functions such as stimulus sensing, motor action, and memory formation among others are discussed. Topics include diseases of the nervous system such as stroke, Alzheimer's, Parkinson's to emphasize the normal structure and function of the nervous system.

BIO 180.01

PHARMACOLOGY AND TOXICOLOGY, LECTURE

2 units

Prerequisites: BIO 140.01, BIO 140.02, BIO 171.01, BIO 171.02

Co-requisite: BIO 180.02

Pharmacology and Toxicology, Lecture (2 units) provides background on different naturally occurring and synthetic drugs, including their chemical structures and nomenclatures. It evaluates influences of these drugs on the normal and patho-physiology of varied organisms. Interactions, toxic effects, and medical applications and antipathogenic capabilities of these drugs are also examined. Emphasis is also given to the two main areas of pharmacology: pharmacodynamics and pharmacokinetics.

BIO 180.02

PHARMACOLOGY AND TOXICOLOGY, LABORATORY

1 unit

Pre-requisites: BIO 140.01, BIO 140.02, BIO 171.01, BIO 171.02

Co-requisite: BIO 180.01

Pharmacology and Toxicology, Laboratory (1 unit) demonstrates and investigates the effects of the drugs on toxicity and the functions of different organ systems of the mammalian body using rodents and small non-

rodent species as model animals. Toxicity pathways are modeled, and studies focusing on the systemic effect of different compounds are focused on.

BIO 181

BIOMEDICAL INSTRUMENTATION

3 units

Prerequisites: BIO 171.01, BIO 171.02

Biomedical Instrumentation (3 units) is about understanding how instruments measure physical and physiological parameters involved in the evaluation of health and illness in human beings. The measurements of health parameters such as heart, respiratory and sensory functions are covered and their physiological basis and clinical significance discussed. The course also covers different imaging techniques, their appropriate use, as well as common findings in these imaging modalities. Finally, the instruments are discussed from an engineering and technological perspective that show students how these instruments work and the basic physical science principles that underpin these machines.

BIO 182

MICROSCOPY AND MICROTECHNIQUE

3 units

Prerequisites: BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Microscopy and Microtechnique (3 units) is a laboratory course which covers various methods of slide preparation using different sectioning processing, staining and mounting techniques. These serve as preliminary steps in the temporary and permanent slides of animal and plant tissues for microscopic assessment. Slides are evaluated using compound, stereo, and epifluorescent microscopy.

BIO 183

ETHICS IN BIOLOGICAL RESEARCH

3 units

Prerequisites: All fundamental biology courses

Ethics in Biological Research (3 units) covers currently accepted international ethical standards and guidelines in experiments involving humans and other animals. As such, existing laws and policies on animal welfare are discussed. Ethical guidelines governing the practice of clinical trials are also introduced.

BIO 184

CURRENT TRENDS IN BIOLOGY

3 units

Prerequisites: All fundamental biology courses

Current Trends in Biology (3 units) is an introduction to advances in the life sciences that are defining the present state of the field. It builds on standard knowledge of molecular biology and genetics towards genome analysis, manipulation, and various -OMICS approaches that increasingly provide a precise view of organisms as integrated complex systems built through the interactions of their genes, gene products, and environment. These technologies are discussed in the context of biomedicine, plant biology, microbiology, evolution, and ecology.

BIO 197

PRACTICUM

3 units

Prerequisites: All fundamental biology courses

Practicum (3 units) is a 150-hour on-the-job training or work placement in several institutions to give students a chance to develop skills relating to their chosen fields. Working under a supervisor, it allows students to integrate and apply the knowledge and skills they have gained from previous courses to actual laboratory, clinical or industrial scenarios.

BIO 198.1

CAPSTONE I

3 units

Prerequisites: BIO 143.01, BIO 143.02, BIO 150.01, BIO 150.02, and at least 15 units of the Management/ 21 units of the Communication subjects

The first of two capstone courses, Capstone I involves the conceptualization, preparation, and initial conduct of a project designed to demonstrate mastery in a chosen track in the Life Sciences. Under the supervision of a biology and a communications/management faculty mentor, the student identifies a topic of significance from which a creative venture is designed. The final outcomes of the project may include a creative portfolio, an advocacy campaign, or a business plan, among others.

BIO 198.2

CAPSTONE II

3 units

Prerequisite: BIO 198.1

The second of two capstone courses, Capstone II involves the completion of the creative project determined in Capstone I. The course deals with the drafting and presentation of the final project, to be defended/presented orally and publicly in front of a pre-determined panel. The final outcomes of the course include the completion of the project and submission of the necessary documents, portfolio, media, or strategic management plan as fulfillment of requirements for the degree program.

BIO 199.1

THESIS I: BIOSEMINAR

2 units

Prerequisites: BIO 130.01, BIO 130.02, BIO 140.01, BIO 140, BIO 155.01, BIO 155.02

Thesis I: Bioseminar (2 units) teaches students basic skills in verbal and written communication and proper experimental design in biological research, with the goal of producing and defending a proposal for their undergraduate thesis. Toward this end, the emphasis is on choosing topics for research, doing the literature review, designing an experiment, writing the scientific paper, and presenting it orally both in the classroom setting and in the form of seminars. Steps in evaluating a seminar delivered by a peer are also discussed and applied in this course. The training is further enhanced by required attendance in Department-sponsored lectures and talks and in thesis defense sessions of current seniors.

BIO 199.2

THESIS II

2 units

Prerequisite: BIO 199.1

Thesis II (2 units) deals with the implementation and conduct of a research plan to gain experience in the management of a major field of study and laboratory experiment. It also includes continuation and completion of the research plan, with the goal of finishing data gathering and analysis in preparation for writing the thesis paper.

BIO 199.3

THESIS III

2 units

Prerequisite: BIO 199.2

Thesis III (2 units) deals with the drafting of the thesis paper, defense of the research in front of a predetermined panel and audience of peers in the scientific community, and submission of the final paper as fulfillment of requirements for the program.

# CHEMISTRY

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The Department of Chemistry strives to provide an excellent environment for scientific inquiry and discourse. Its students are actively engaged in cutting-edge research that uses chemistry and its related fields to address the current needs of the community and the country. Equipped with technical skills and knowledge, its graduates are not only outstanding chemists, but are also well-rounded individuals that excel in their other fields of interest. They are actively engaged in research and extension work funded by the university, the private sector, and the government.

## BACHELOR OF SCIENCE IN CHEMISTRY

The four-year B.S. Chemistry program provides students with a very strong foundation that gives them opportunities to work as chemists in industry or research, to pursue an academic career or to move into other areas such as business and engineering. The curriculum puts emphasis on fundamental principles of chemistry, modern chemical instrumentation and a strong hands-on component. Because laboratory work is done individually under the supervision of highly qualified faculty and using state of the art facilities, each student develops a high level of competence and confidence. Graduates are eligible to take the Chemist Licensure Examinations. Most graduates of the program have found careers in industry, inevitably moving into positions of leadership. Those who opted for academic careers successfully finish their graduate degrees from prestigious universities abroad. There are also those who chose to become entrepreneurs, and have succeeded in their businesses.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 121.01	Principles of Chemistry, Lecture	3	CHEM 122.01	Fundamentals of Inorganic Chemistry, Lecture	3
CHEM 121.02	Principles of Chemistry, Laboratory	2	CHEM 122.02	Fundamentals of Inorganic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 21	University Pre-calculus	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	20(2)		TOTAL	20(2)

<u>Interession</u>		<u>Units</u>
CHEM 131.01	Quantitative Chemical Analysis, Lecture	3
CHEM 131.02	Quantitative Chemical Analysis, Laboratory	2
FLC 11	Foreign Language and Culture 11	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 141.01	Organic Chemistry 1, Lecture	3	CHEM 132.41	Quality Assurance in Analytical Chemistry, Lecture	3
CHEM 141.02	Organic Chemistry 1, Laboratory	2	CHEM 132.42	Quality Assurance in Analytical Chemistry, Laboratory	1
MATH 30.24	Applied Calculus for Science and Engineering II	3	CHEM 142.01	Organic Chemistry 2, Lecture	3
ArtAp 10	Art Appreciation	3	CHEM 142.02	Organic Chemistry 2, Laboratory	2
HISTO 12	Readings in Philippine History	3	PHYS 31.01	Analytical Physics I, Lecture	3
PHILO 11	Philosophy: The Human Condition	3	PHYS 31.02	Analytical Physics I, Laboratory	1
STS 10	Science, Technology, and Society	3	SocSc 12	The Contemporary World	3
PHYED 3	Physical Education 3	(2)	THEO 12	Theology of the Catholic Social Vision	3

TOTAL	20(2)	NSTP 11	National Service Training Program 11	(3)
		PHYED 4	Physical Education 4	(2)
			TOTAL	19(5)

### THIRD YEAR

<u>Intersession</u>		<u>Units</u>	
CHEM 161.41	Inorganic Compounds and Reactions, Lecture	3	
CHEM 161.42	Inorganic Compounds and Reactions, Laboratory	1	
PHYS 33.01	Analytical Physics III, Lecture	3	
PHYS 33.02	Analytical Physics III, Laboratory	1	
	TOTAL	8(0)	

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
CHEM 151.01	Biochemistry 1, Lecture	3	CHEM 133.01	Instrumental Chemical Analysis, Lecture	3
CHEM 151.02	Biochemistry 1, Laboratory	2	CHEM 133.02	Instrumental Chemical Analysis, Laboratory	2
CHEM 171.41	Physical Chemistry 1, Lecture	3	CHEM 172.41	Physical Chemistry 2, Lecture	3
CHEM 171.42	Physical Chemistry 1, Laboratory	1	CHEM 172.42	Physical Chemistry 2, Laboratory	1
CHEM 191	Undergraduate Seminar 1	1	CHEM 192	Undergraduate Seminar 2	1
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	16(0)	NSTP 12	National Service Training Program 12	(3)
				TOTAL	16(3)

### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>	
CHEM 197	Professional Engagement	3	
	TOTAL	3(0)	

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
CHEM 173.31	Principles of Quantum Chemistry, Lecture	2	CHEM 152.01	Biochemistry 2	3
CHEM 173.32	Principles of Quantum Chemistry, Laboratory	1	CHEM 199.2	Undergraduate Thesis 2	3
CHEM 199.1	Undergraduate Thesis 1	3	CH ELEC	Chemistry Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3		TOTAL	15(0)
IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3			
	TOTAL	18(0)			

Total Number of Academic Units: 163(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN CHEMISTRY – MASTER OF SCIENCE IN CHEMISTRY

This ladder undergraduate/graduate program aims to (i) allows students to complete both the corresponding undergraduate and graduate degrees within a period of five years of continuous study, (ii) cater to students who seek to fast track to a Master's degree as a prerequisite for a doctorate degree or for preparation and advancement in industrial settings that require research in the professional practice of chemistry.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 121.01	Principles of Chemistry, Lecture	3	CHEM 122.01	Fundamentals of Inorganic Chemistry, Lecture	3
CHEM 121.02	Principles of Chemistry, Laboratory	2	CHEM 122.02	Fundamentals of Inorganic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 21	University Pre-calculus	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	20(2)		TOTAL	20(2)

		<b>SECOND YEAR</b>
<u>Intersession</u>		<u>Units</u>
CHEM 131.01	Quantitative Chemical Analysis, Lecture	3
CHEM 131.02	Quantitative Chemical Analysis, Laboratory	2
FLC 11	Foreign Language and Culture 11	3
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 141.01	Organic Chemistry 1, Lecture	3	CHEM 132.41	Quality Assurance in Analytical Chemistry, Lecture	3
CHEM 141.02	Organic Chemistry 1, Laboratory	2	CHEM 132.42	Quality Assurance in Analytical Chemistry, Laboratory	1
MATH 30.24	Applied Calculus for Science and Engineering II	3	CHEM 142.01	Organic Chemistry 2, Lecture	3
ArtAp 10	Art Appreciation	3	CHEM 142.02	Organic Chemistry 2, Laboratory	2
HISTO 12	Readings in Philippine History	3	PHYS 31.01	Analytical Physics I, Lecture	3
PHILO 11	Philosophy: The Human Condition	3	PHYS 31.02	Analytical Physics I, Laboratory	1
STS 10	Science, Technology, and Society	3	SocSc 12	The Contemporary World	3
PHYED 3	Physical Education 3	(2)	THEO 12	Theology of the Catholic Social Vision	3
	TOTAL	20(2)	NSTP 11	National Service Training Program 11	(3)
			PHYED 4	Physical Education 4	(2)
				TOTAL	19(5)

		<b>THIRD YEAR</b>
<u>Intersession</u>		<u>Units</u>

CHEM 161.41	Inorganic Compounds and Reactions, Lecture	3
CHEM 161.42	Inorganic Compounds and Reactions, Laboratory	1
PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 33.02	Analytical Physics III, Laboratory	1
	TOTAL	8(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 151.01	Biochemistry 1, Lecture	3	CHEM 133.01	Instrumental Chemical Analysis, Lecture	3
CHEM 151.02	Biochemistry 1, Laboratory	2	CHEM 133.02	Instrumental Chemical Analysis, Laboratory	2
CHEM 171.41	Physical Chemistry 1, Lecture	3	CHEM 172.41	Physical Chemistry 2, Lecture	3
CHEM 171.42	Physical Chemistry 1, Laboratory	1	CHEM 172.42	Physical Chemistry 2, Laboratory	1
CHEM 191	Undergraduate Seminar 1	1	CHEM 192	Undergraduate Seminar 2	1
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	16(0)	NSTP 12	National Service Training Program 12	(3)
				TOTAL	16(3)

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
CHEM 197	Professional Engagement	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 173.31	Principles of Quantum Chemistry, Lecture	2	CHEM 152.01	Biochemistry 2	3
CHEM 173.32	Principles of Quantum Chemistry, Laboratory	1	CHEM 199.2	Undergraduate Thesis 2	3
CHEM 199.1	Undergraduate Thesis 1	3	CH ELEC	Chemistry Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	CH GRAD CORE	Chemistry Graduate Core Subject	3
IE 1	Interdisciplinary Elective 1 – English	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 2	Interdisciplinary Elective 2	3	IE 3	Interdisciplinary Elective 3	3
IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3		TOTAL	18(0)
	TOTAL	18(0)			

#### FIFTH YEAR

<u>Intersession</u>		<u>Units</u>
CH GRAD CORE	Chemistry Graduate Core Subject	3
CHEM 290.1	Graduate Seminar I	1
CHEM 292	Fundamentals of Research	3
	TOTAL	7(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CH GRAD CORE	Chemistry Graduate Core Subject	3	CH GRAD CORE	Chemistry Graduate Core Subject	3
CH GRAD CORE	Chemistry Graduate Core Subject	3	CH ELECTIVE	Chemistry Grad Elective	3
CHEM 290.2	Graduate Seminar II	1	CH ELECTIVE	Chemistry Grad Elective	3
CHEM 299.1	Thesis I	3	CHEM 299.2	Thesis II	3
CHEM 296	Comprehensive Examinations	0		TOTAL	12(0)
	TOTAL	10(0)			



## BACHELOR OF SCIENCE IN CHEMISTRY – BACHELOR OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING

New materials and devices with special properties will be in demand for the technologies of the 21st century. Materials Science and Engineering answers this need by integrating the knowledge and tools of chemistry and physics with engineering principles to design, fabricate and characterize improved and novel materials such as polymers, biodegradable plastics, biocompatible materials; ceramics, metals and composites for stronger structural materials; semiconductors for more efficient electronic devices; longer lasting paints, coatings and corrosion resistant materials; and many others.

The BS Chemistry part combines a strong foundation in chemistry with a focus on materials through specialized electives. The entire program provides competencies for careers in industry, especially in the areas of semiconductors, plastics, rubber, paints and resins, ceramics, textiles, food, or even cosmetics.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 121.01	Principles of Chemistry, Lecture	3	CHEM 122.01	Fundamentals of Inorganic Chemistry, Lecture	3
CHEM 121.02	Principles of Chemistry, Laboratory	2	CHEM 122.02	Fundamentals of Inorganic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3	ENGG 10	Engineering Workshop and Practices	1
MATH 21	University Pre-calculus	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
THEO 11	Faith, Spirituality, and the Church	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	SocSc 11	Understanding the Self	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		21(2)

		<b>SECOND YEAR</b>			
<u>Intersession</u>		<u>Units</u>			
CHEM 131.01	Quantitative Chemical Analysis, Lecture	3			
CHEM 131.02	Quantitative Chemical Analysis, Laboratory	2			
FLC 11	Foreign Language and Culture 11	3			
	TOTAL	8(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CHEM 141.01	Organic Chemistry 1, Lecture	3	CHEM 132.41	Quality Assurance in Analytical Chemistry, Lecture	3
CHEM 141.02	Organic Chemistry 1, Laboratory	2	CHEM 132.42	Quality Assurance in Analytical Chemistry, Laboratory	1

MATH 30.24	Applied Calculus for Science and Engineering II	3	CHEM 142.01	Organic Chemistry 2, Lecture	3
ArtAp 10	Art Appreciation	3	CHEM 142.02	Organic Chemistry 2, Laboratory	2
HISTO 12	Readings in Philippine History	3	PHYS 31.01	Analytical Physics I, Lecture	3
PHILO 11	Philosophy: The Human Condition	3	PHYS 31.02	Analytical Physics I, Laboratory	1
STS 10	Science, Technology, and Society	3	SocSc 12	The Contemporary World	3
PHYED 3	Physical Education 3	(2)	THEO 12	Theology of the Catholic Social Vision	3
	TOTAL	20(2)	NSTP 11	National Service Training Program 11	(3)
			PHYED 4	Physical Education 4	(2)
			TOTAL		19(5)

### THIRD YEAR

#### Intersession

CHEM 161.41	Inorganic Compounds and Reactions, Lecture	3
PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 33.02	Analytical Physics III, Laboratory	1
	TOTAL	7(0)

#### Units

#### First Semester

CHEM 151.01	Biochemistry 1, Lecture	3
CHEM 151.02	Biochemistry 1, Laboratory	2
CHEM 171.41	Physical Chemistry 1, Lecture	3
CHEM 171.42	Physical Chemistry 1, Laboratory	1
CHEM 191	Undergraduate Seminar 1	1
MATSE 101	Principles of Materials Science and Engineering I	3
PHILO 12	Philosophy of Religion	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
	TOTAL	19(0)

#### Units Second Semester

CHEM 133.01	Instrumental Chemical Analysis, Lecture	3
CHEM 133.02	Instrumental Chemical Analysis, Laboratory	2
CHEM 172.41	Physical Chemistry 2, Lecture	3
CHEM 172.42	Physical Chemistry 2, Laboratory	1
CHEM 192	Undergraduate Seminar 2	1
MATSE 102	Principles of Materials Science and Engineering II	3
PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	19(3)

### FOURTH YEAR

#### Intersession

CHEM 197	Professional Engagement	3
	TOTAL	3(0)

#### Units

#### First Semester

CHEM 107 (CHEM ELEC)	Mathematical Methods in Chemistry	3
CHEM 173.31	Principles of Quantum Chemistry, Lecture	2
CHEM 173.32	Principles of Quantum Chemistry, Laboratory	1
CHEM 199.1	Undergraduate Thesis 1	3
MATSE 106.1 (IE 4)	Materials and Testing Laboratory I	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 1	Interdisciplinary Elective 1 – English	3
IE2-MATSE 111	Metallic Materials	3
	TOTAL	21(0)

#### Units Second Semester

CHEM 152.01	Biochemistry 2	3
CHEM 199.2	Undergraduate Thesis 2	3
MATSE 121.01 (CHEM ELEC)	Polymeric Materials, Lecture	3
MATSE 121.02	Polymeric Materials, Laboratory	1
MATSE 160 (IE 3)	Innovation and Technology	3
MATSE 161	Engineering Management	2
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	18(0)

		<b>FIFTH YEAR</b>
<u>Intersession</u>		<u>Units</u>
MATSE 106.2	Materials and Testing Laboratory II	3
MATSE 199.1	Materials Research Project I	3
MATSE ELEC	MATSE Elective	3
	TOTAL	9(0)
<u>First Semester</u>		<u>Units</u>
MATSE 131	Ceramic Materials	3
MATSE 141	Electronic Materials	3
MATSE 151	Engineering Composites	3
MATSE 199.2	Materials Research Project II	3
MATSE ELEC	MATSE Elective	3
MATSE ELEC	MATSE Elective	3
ENGG 11	Computer-aided Drafting	1
	TOTAL	19(0)

Total Number of Academic Units: 203(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### CHEM 2.20

#### BASIC CHEMISTRY FOR BIOLOGISTS

0 units

This course covers fundamental chemistry concepts and theories for undergraduate students majoring in the life sciences, to prepare them for higher level chemistry courses. It covers topics including atomic structure, the periodic table and properties of elements, stoichiometry, introduction to aqueous solution, thermochemistry, electronic structure and chemical bonding, molecular geometry, intermolecular forces, and properties of gases and the condensed phases

### CHEM 21.11

#### GENERAL CHEMISTRY I, LECTURE

3 units

Co-requisite: CHEM 21.12

The lecture course CHEM 21.11 teaches fundamental chemistry concepts and theories for undergraduate students majoring in science and engineering, those pursuing careers in the health professions, and others desiring a firm foundation in chemical principles. It covers topics including atomic structure, the periodic table and properties of elements, stoichiometry, introduction to aqueous solution, thermochemistry, electronic structure and chemical bonding, molecular geometry, intermolecular forces, and properties of gases and the condensed phases.

### CHEM 21.12

#### GENERAL CHEMISTRY I, LABORATORY

2 units

Co-requisite: CHEM 21.11

The laboratory course CHEM 21.12 is an accompanying course to CHEM 21.11. This course deepens

appreciation of chemistry through the laboratory experiments and relates chemical principles to the world in which we live. This course develops fundamental skills in the chemical laboratory (handling of chemicals, the burner, glassware, and the balance) and skills in the scientific method (making qualitative and quantitative observations, technical presentations of data, and analytical and critical discussions of results in light of modern theories in chemistry).

#### CHEM 21.31

##### GENERAL CHEMISTRY FOR ENGINEERS, LECTURE

3 units

Co-requisite: CHEM 21.32

The one-semester lecture course is designed to provide engineering students a concise but solid foundation in chemistry topics most relevant for engineering disciplines. Topics to be covered include stoichiometry, the periodic table, structure and bonding, the solid state, thermochemistry and chemical thermodynamics, chemical kinetics, solution chemistry, electrochemistry and nuclear chemistry. Connections between chemistry and engineering are emphasized in the delivery of this course.

#### CHEM 21.32

##### GENERAL CHEMISTRY FOR ENGINEERS, LABORATORY

1 unit

Co-requisite: CHEM 21.31

This is the accompanying laboratory course to CHEM 21.31. It aims to provide a deep appreciation of chemistry principles especially relevant to engineering disciplines. It covers activities that develop skills in qualitative observation, measurement, technical presentation of data, and analytical and critical interpretation of results. Topics like laboratory and chemical safety, waste minimization, and efficient resource utilization are also covered.

#### CHEM 22.11

##### GENERAL CHEMISTRY II, LECTURE

3 units

Prerequisites: CHEM 21.11 and CHEM 21.12

Co-requisite: CHEM 22.12

The lectures course CHEM 22.11 is the second fundamental chemistry course for science and engineering majors. It covers topics in properties of solutions, chemical equilibrium principles, acid-base equilibria, chemical kinetics and thermodynamics, electrochemistry, chemistry of coordination compounds, qualitative analysis and an introduction to quantitative analytical chemistry. Other topics such as environmental chemistry, organic chemistry and others may also be covered.

#### CHEM 22.12

##### GENERAL CHEMISTRY II, LABORATORY

2 units

Prerequisites: CHEM 21.11 and CHEM 21.12

Co-requisite: CHEM 22.11

The laboratory course CHEM 22.12 is an accompanying course to CHEM 22.11. The laboratory includes experiments on properties of solutions, chemical equilibrium, acid-base equilibrium, chemical kinetics, qualitative analysis of elements and introduction to classical and instrumental quantitative analysis. It develops fundamental skills in the chemical laboratory, such as measuring mass, temperature, and volume, handling volumetric apparatus in titration, preparation of buffers, and separation and identification of substances in a mixture.

#### CHEM 31.21

##### INTRODUCTION TO ANALYTICAL CHEMISTRY FOR BIOLOGISTS, LECTURE

2 units

Co-requisite: CHEM 31.22

This is an introductory course on analytical chemistry techniques aimed towards biology and life science majors. It focuses on topics such as chemical bonding, stoichiometry, acids & bases, principles of chemical equilibria & kinetics, reactions in aqueous solutions, and redox reactions.

#### CHEM 31.22

##### INTRODUCTION TO ANALYTICAL CHEMISTRY FOR BIOLOGISTS, LABORATORY

1 unit

Co-requisite: CHEM 31.21

This is the accompanying laboratory course for CHEM 31.22. It focuses on building skills in basic analytical laboratory techniques such as titration and formulation of buffer systems and basic instrumental methods in chemistry,

#### CHEM 33.51

##### APPLIED QUANTITATIVE ANALYSIS, LECTURE

3 units

Prerequisites: CHEM 21.11, CHEM 21.12, and MATH 10

Co-requisite: CHEM 33.52

The course is intended for Management of Applied Chemistry majors who need a strong foundation in basic analytical techniques. Topics include accuracy and precision of measurements, statistical analysis of measured data, review of stoichiometry and chemical equilibrium principles, gravimetry, titrimetry, ionic equilibria, neutralization reactions of simple and complex systems, electrochemical analysis and induction to instrumental analysis: UV-Vis, AAS and gas chromatography. Other topics such as choice and validation of analytical methods, quality assurance in the analytical laboratory may also be discussed.

#### CHEM 33.52

##### APPLIED QUANTITATIVE ANALYSIS, LABORATORY

2 units

Prerequisites: CHEM 21.11, CHEM 21.12, and MATH 10

Co-requisite: CHEM 33.51

This is an accompanying laboratory course to CHEM 33.51 designed to teach basic analytical laboratory skills, including the use of analytical balances, calibration and use of volumetric glasswares, gravimetric methods, titrations, and the use of basic instruments such as UV-Vis spectrometers, AAS, and gas-chromatograph.

#### CHEM 34.41

##### SURVEY OF ANALYTICAL CHEMISTRY, LECTURE

3 units

Prerequisites: CHEM 22.11, CHEM 22.12, and MATH 10

Co-requisite: CHEM 34.42

This is a foundation course on analytical techniques for science majors. Topics include accuracy and precision of measurements, statistical analysis of measured data, chemical equilibrium principles, gravimetry, titrimetry, ionic equilibria, neutralization reactions of simple and complex systems, electrochemical analysis, and an introduction to instrumental analysis: UV-Vis, AAS, and gas chromatography.

#### CHEM 34.42

##### SURVEY OF ANALYTICAL CHEMISTRY, LABORATORY

2 units

Prerequisites: CHEM 22.11, CHEM 22.12, and MATH 10

Co-requisite: CHEM 34.41

This is an accompanying laboratory course to CHEM 34.41 that covers basic analytical laboratory skills, particularly the use of the analytical balance, volumetric apparatus, gravimetric methods, titrimetric methods, and spectrometers.

#### CHEM 34.50

##### APPLIED INSTRUMENTAL CHEMICAL ANALYSIS, LECTURE

3 units

Prerequisites: CHEM 33.51 and CHEM 33.52

The course introduces the student to modern instrumental methods of analysis: the basic principles, instrumentation, and their applications to industrial research and quality assurance. It covers basic knowledge of the major areas of modern instrumental analysis: spectroscopy and chromatography. It also provides the knowledge needed in formulating fit-for-purpose solutions to real analytical problems in the industrial setting.

CHEM 41.21

INTRODUCTION TO ORGANIC CHEMISTRY FOR BIOLOGISTS, LECTURE

2 units

Prerequisites: CHEM 31.21 and CHEM 31.22

Co-requisite: CHEM 41.22

This is an introductory course in organic chemistry designed for biology and life science majors. It aims to present the different types of organic compounds: their structure, properties, reactivities, and reaction mechanisms as an introduction to biomolecules and biological pathways. At the end of the course, the students are expected to be able to predict the properties and reactivity of different compounds based on their structure.

CHEM 41.22

INTRODUCTION TO ORGANIC CHEMISTRY FOR BIOLOGISTS, LABORATORY

1 unit

Prerequisites: CHEM 31.21 and CHEM 31.22

Co-requisite: CHEM 41.21

This is the companion laboratory course for CHEM 41.21. It aims to enhance the understanding of the student of different types of organic compounds: their structure, properties, reactivities, and reaction mechanisms. At the end of the course, the students are expected to be able to predict the properties and reactivity of different compounds based on their structure, and use these theories to explain observations and data from experiments.

CHEM 43.11

SURVEY OF ORGANIC CHEMISTRY, LECTURE

3 units

Prerequisites: CHEM 21.11 and CHEM 21.12

Co-requisite: CHEM 43.12

This course is an introductory course in Organic Chemistry designed for non-Chemistry majors. It surveys the different types of organic compounds: alkanes, alkenes, aromatic compounds, alkyl halides, alcohols, aldehydes, ketones, amines, carboxylic acid and derivatives and examines their structures, properties, reactivity and reaction mechanisms, and analysis through simple chemical tests.

CHEM 43.12

SURVEY OF ORGANIC CHEMISTRY, LABORATORY

2 units

Prerequisites: CHEM 21.11 and CHEM 21.12

Co-requisite: CHEM 43.11

This is an accompanying laboratory course to CHEM 43.11 designed for non-chemistry majors. It introduces basic techniques and skills required for the study of the properties of organic compounds. The course runs for a full semester with 4 laboratory hours per session.

CHEM 45.51

APPLIED ORGANIC CHEMISTRY I, LECTURE

3 units

Prerequisites: CHEM 21.11 and CHEM 21.12

Co-requisite: CHEM 45.52

This is the first organic chemistry course that provides Management of Applied Chemistry majors with a working background on the chemistry of organic compounds, their structures, properties, reactivities, and reaction mechanisms, as well as analysis of molecular structures. Special emphasis is given on the pervading applications of these organic compounds in our daily lives and consequently, their utility and potential in business operations. It covers the following organic molecules: alkanes, alkenes, alkynes, alkyl halides, and aromatic compounds. It also tackles the basics of spectroscopy as a tool to characterize the organic molecules.

CHEM 45.52

APPLIED ORGANIC CHEMISTRY I, LABORATORY

2 units

Prerequisites: CHEM 21.11 and CHEM 21.12

Co-requisite: CHEM 45.51

This is an accompanying laboratory course for CHEM 45.51 designed for management of Applied Chemistry majors. It introduces the basic techniques and skills required in handling and study of organic compounds: from synthesis of compounds, their isolation from natural sources, their characterization and analysis through determination of physical properties, chemical tests, spectroscopy, and chromatography.

CHEM 46.50

APPLIED ORGANIC CHEMISTRY II, LECTURE

3 units

Prerequisites: CHEM 45.51 and CHEM 45.52

This is the second organic chemistry course that provides Management of Applied Chemistry majors with a working background on the chemistry of organic compounds, their structures, properties, reactivities and reaction mechanisms, as well as analysis of molecular structures. Special emphasis is given on the pervading applications of these organic compounds in our daily lives and consequently, their utility and potential in business operations. It covers the following organic molecules: alcohols and thiols, ethers, aldehydes, ketones, carboxyls, and its derivatives, and amines. It also introduces heterocyclic organic compounds and biochemistry.

CHEM 51.21

BIOCHEMISTRY FOR BIOLOGISTS, LECTURE

3 units

Prerequisites: CHEM 41.21 and CHEM 41.22

Co-requisite: CHEM 51.22

This is the lecture part of an introductory course to biochemistry and biochemical techniques. It looks at the cell from the molecular perspective by focusing on the structure-function relationships of the four major classes of biomolecules: carbohydrates, lipids, proteins and nucleic acids. Together with its companion laboratory, it also discusses current discoveries and trends in biochemical techniques and applications, especially those being used in the Philippines and those which may have a significant impact in the local scene.

CHEM 51.22

BIOCHEMISTRY FOR BIOLOGISTS, LABORATORY

2 units

Prerequisites: CHEM 41.21 and CHEM 41.22

Co-requisite: CHEM 51.21

This course is an introductory biochemistry laboratory companion to CHEM 51.21. The focus is on the four major classes of biomolecules, namely proteins, carbohydrates, lipids, and nucleic acids. Together with the lecture course, it also discusses current discoveries and trends in biochemical techniques and applications, especially those being used in the Philippines and those which may have a significant impact in the local scene.

CHEM 53.10  
SURVEY OF BIOCHEMISTRY

3 units

Pre-requisites: CHEM 43.11 and CHEM 43.12

This is an introductory course in biochemistry. It covers basic knowledge of the cell as well as the structure-function relationships of the four major classes of biomolecules: carbohydrates, lipids, proteins and nucleic acids. It also discusses current discoveries and trends in biochemical techniques and applications, especially those being used in the Philippines and those which may have a significant impact in the local scene.

CHEM 73.51  
APPLIED PHYSICAL CHEMISTRY I, LECTURE

3 units

Prerequisites: CHEM 33.51, CHEM 33.52, and MATH 30.13

Co-requisites: CHEM 73.52

This course studies the basis of physical chemical properties of substances as used in chemical process industries. Topics include the laws of thermodynamics and their applications to chemical systems; the calculation of heat effects and equilibrium in chemical reactions; and phase equilibria and equilibrium electrochemistry.

CHEM 73.52  
APPLIED PHYSICAL CHEMISTRY I, LABORATORY

2 units

Prerequisites: CHEM 33.51, CHEM 33.52, and MATH 30.13

Co-requisites: CHEM 73.51

This accompanying course to CHEM 73.51 expands on physical chemistry principles through experimentation and develops laboratory skills and intuition in experimental, applied physical chemistry. Topics and experiments cover gases, properties of condensed phases, phase equilibria, chemical kinetics, electrochemistry, surfaces and colloids, spectroscopy, computational chemistry.

CHEM 74.50  
APPLIED PHYSICAL CHEMISTRY II, LECTURE

3 units

Prerequisites: CHEM 73.51 and CHEM 73.52

This course is the second applied physical chemistry course designed for Management of Applied Chemistry majors. It covers the fundamentals of rates and mechanism of chemical reactions, mass transport, and the precepts of quantum chemistry: the basis of quantum mechanics and applications in spectroscopy and current devices, phenomena. Their applications in current chemical technologies are discussed as examples.

CHEM 81.51  
INDUSTRIAL CHEMICAL REACTIONS AND PROCESSES, LECTURE

3 units

Prerequisites: CHEM 45.51 and CHEM 45.52

Co-requisite: CHEM 81.52

The lecture course CH 81.51 introduces chemistry-based industries. Topics covered include mass balances in flow processes, separation processes and scale up. It provides an overview of the manufacturing processes involved in the preparation of fertilizers, petrochemicals, soaps/detergents, fats/oils, etc. Visits to manufacturing plants are also included.

CHEM 81.52  
INDUSTRIAL CHEMICAL REACTIONS AND PROCESSES, LABORATORY

2 units

Prerequisites: CHEM 45.51 and CHEM 45.52

Co-requisite: CHEM 81.51



This required accompanying laboratory course to CHEM 81.51 helps students understand and appreciate how chemistry is done on a bigger scale, i.e. at the industries. Students learn fundamental skills in the industrial preparation and testing of products such as paint, plastics, and detergents.

#### CHEM 107

##### MATHEMATICAL METHODS IN CHEMISTRY

3 units

Prerequisite: MATH 30.24

The course provides students with the necessary knowledge in mathematics as applied to engineering problems. The topics include ordinary determinants and matrices, power series expansion, Fourier series and transforms, Laplace transforms, complex variables, with a discussion on specific mathematical problems related to chemical systems. Other topics, such as Hilbert transforms, z-transforms, and stochastic processes, may be discussed if time permits.

#### CHEM 121.01

##### PRINCIPLES OF CHEMISTRY, LECTURE

3 units

Co-requisite: CHEM 121.02

The lecture course teaches fundamental chemistry concepts and theories for undergraduate students majoring in science and engineering, those pursuing careers in the health professions, and others desiring a firm foundation in chemical principles. It covers topics including atomic structure, the periodic table and properties of elements, electronic structure and chemical bonding, molecular geometry, intermolecular forces, stoichiometry, introduction to aqueous solutions, redox reactions, thermochemistry, and properties of gases.

#### CHEM 121.02

##### PRINCIPLES OF CHEMISTRY, LABORATORY

2 units

Co-requisite: CHEM 121.01

This laboratory course is an accompanying course to CHEM 121.01. This course deepens appreciation of chemistry through laboratory experiments and relates chemical principles to the world in which we live. This course develops fundamental skills in the chemical laboratory (handling of chemicals, the burner, glassware, and the balance) and skills in the scientific method (making qualitative and quantitative observations, technical presentation of data, and analytical and critical discussion of results in light of the modern theories in chemistry).

#### CHEM 122.01

##### FUNDAMENTALS OF INORGANIC CHEMISTRY, LECTURE

3 units

Prerequisites: CHEM 121.01 and CHEM 121.02

Co-requisite: CHEM 122.02

The lecture course covers topics in kinetics and reaction rates, solution chemistry, chemical equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and descriptive chemistry of metals and non-metals.

#### CHEM 122.02

##### FUNDAMENTALS OF INORGANIC CHEMISTRY, LABORATORY

2 units

Prerequisites: CHEM 121.01 and CHEM 121.02

Co-requisite: CHEM 122.01

The laboratory course CHEM 122.02 is an accompanying course to CHEM 122.01. This course deepens appreciation of chemistry through laboratory experiments and relates chemical principles to the world in which we live. The laboratory course includes experiments on kinetics and reaction rates, chemical equilibrium, qualitative analysis of elements and introduction to classical and instrumental quantitative analysis.

CHEM 131.01

QUANTITATIVE CHEMICAL ANALYSIS, LECTURE

3 units

Prerequisites: CHEM 122.01, CHEM 122.02, MATH 10

Co-requisite: CHEM 131.02

The course is intended for science majors who need a strong foundation in basic analytical techniques. Topics include accuracy and precision of measurements, statistical analysis of measured data, propagation of errors, and graphical representation of data; review of stoichiometry and chemical equilibrium principles, gravimetry, titrimetry, ionic equilibria, neutralization reactions of simple and complex systems, electrochemical analysis and introduction to instrumental analysis: UV-Vis, AAS, and gas chromatography. Other topics such as choice and validation of analytical methods, quality assurance in the analytical laboratory may also be discussed/introduced.

CHEM 131.02

QUANTITATIVE CHEMICAL ANALYSIS, LABORATORY

2 units

Prerequisites: CHEM 122.01, CHEM 122.02, MATH 10

Co-requisite: CHEM 131.01

This is the accompanying laboratory course to CHEM 131.01. It teaches basic analytical laboratory skills, particularly in the proper use and care of the analytical balance, use and calibration of volumetric apparatus, gravimetric methods, titrimetric methods, and the use of analytical instruments such as UV-Vis spectrophotometer, AAS and gas chromatograph.

CHEM 132.41

QUALITY ASSURANCE IN ANALYTICAL CHEMISTRY, LECTURE

3 units

Prerequisites: CHEM 131.01, CHEM 131.02

Co-requisite: CHEM 132.42

This lecture course aims to deepen the knowledge and skills in analytical chemistry, particularly in the evaluation and assurance of quality in analytical data. It includes the application of statistics for the evaluation of the results of chemical analysis, as well as the principles and methods of quality assurance applied to the analytical chemistry laboratory. It also presents the principles of sampling and sample preparation, and the principles of calibration, and method validation.

CHEM 132.42

QUALITY ASSURANCE IN ANALYTICAL CHEMISTRY, LABORATORY

1 unit

Prerequisites: CHEM 131.01, CHEM 131.02

Co-requisite: CHEM 132.41

This is the accompanying laboratory course in Quality Assurance in Analytical Chemistry. This laboratory course provides experience in the analysis of real samples, including the evaluation of the quality of the results of analysis. It introduces the students to the techniques of quality assurance, including statistical software.

CHEM 133.01

INSTRUMENTAL CHEMICAL ANALYSIS, LECTURE

3 units

Prerequisites: CHEM 132.41, CHEM 132.42, CHEM 142.01, CHEM 142.02, PHYS 33.01, PHYS 33.02

Co-requisite: CHEM 133.02

The course provides a fundamental background of modern instrumental methods of analysis: the basic principles, instrumentation, and its applications. It introduces basic knowledge of the four major areas of modern instrumental analysis, namely: (I) basic electronics and circuitry for analytical instruments, signal processing, (II) optics, spectrochemical analysis, (III) electrochemical techniques, and (IV) chromatographic

methods. It also incorporates aspects of analysis such as figures of merit, calibration, linear regression and associated uncertainties, standard addition, and related topics.

CHEM 133.02

INSTRUMENTAL CHEMICAL ANALYSIS, LABORATORY

2 units

Prerequisites: CHEM 132.41, CHEM 132.42, CHEM 142.01, CHEM 142.02, PHYS 33.01, PHYS 33.02

Co-requisite: CHEM 133.01

This is the accompanying laboratory course for Instrumental Chemical Analysis. The laboratory covers an introduction to basic digital and analog electronics, and instrumentation techniques via experiments on spectrochemical and chromatographic analyses.

CHEM 141.01

ORGANIC CHEMISTRY I, LECTURE

3 units

Prerequisites: CHEM 121.01 and CHEM 121.02

Co-requisite: CHEM 141.02

This is a course that uses molecular orbital theory as a unifying concept to provide a background on the chemistry of organic compounds, their structures, properties, reactivities and reaction mechanisms, as well as the analysis of their molecular structures through IR, NMR, and mass spectroscopy.

CHEM 141.02

ORGANIC CHEMISTRY I, LABORATORY

2 units

Prerequisites: CHEM 121.01 and CHEM 121.02

Co-requisite: CHEM 141.01

The laboratory course is an accompanying laboratory course for Organic Chemistry I designed for Chemistry majors. It introduces basic techniques and skills required for the study of properties of organic compounds: from the synthesis of compounds, to isolation, purification and characterization using qualitative and spectroscopic analysis.

CHEM 142.01

ORGANIC CHEMISTRY II, LECTURE

3 units

Prerequisites: CHEM 141.01 and CHEM 141.02

Co-requisite: CHEM 142.02

This is a course that uses molecular orbital theory as a unifying concept to provide a background on the chemistry of organic compounds, their structures, properties, reactivities and reaction mechanisms, as well as the analysis of their molecular structures through IR, NMR, and mass spectroscopy.

CHEM 142.02

ORGANIC CHEMISTRY II, LABORATORY

2 units

Prerequisites: CHEM 141.01 and CHEM 141.02

Co-requisite: CHEM 142.01

The laboratory course is an accompanying laboratory course for Organic Chemistry II designed for Chemistry majors. It introduces basic techniques and skills required for the study of properties of organic compounds: from the synthesis of compounds, to isolation, purification and characterization using qualitative and spectroscopic analysis. Focus is on compound families discussed in Organic Chemistry II and more complex or multistep reactions.

CHEM 151.01

BIOCHEMISTRY I, LECTURE

3 units

Prerequisites: CHEM 131.01, CHEM 131.02, CHEM 142.01, and CHEM 142.02

Co-requisite: CHEM 151.02

This is the first of a two-part course biochemistry for Chemistry majors. It covers basic knowledge of the cell as well as the structure-function relationships of the four major classes of biomolecules: carbohydrates, lipids, proteins and nucleic acids. It also covers the structure, function, kinetics, and regulation of biological catalysts. It also discusses current discoveries and trends in biochemical techniques and applications, especially those being used in the Philippines and those which may have a significant impact in the local scene.

CHEM 151.02

BIOCHEMISTRY I, LABORATORY

2 units

Prerequisites: CHEM 131.01, CHEM 131.02, CHEM 142.01, and CHEM 142.02

Co-requisite: CHEM 151.01

The course is the laboratory component of Biochemistry 1. It introduces students to common skills and techniques needed to perform biochemical investigations. It aims to provide a guide to the students in correlating principles of biochemistry with experimentation. The focus is on the four major classes of biomolecules: proteins, carbohydrates, lipids, and nucleic acids.

CHEM 152.01

BIOCHEMISTRY II, LECTURE

3 units

Pre-requisites: CHEM 151.01 and CHEM 151.02

This is the second of a two-part biochemistry course. It builds on the topics included in Biochemistry 1, with more in-depth coverage of the flow of biological information, the principles of metabolism, the chemistry of primary metabolic pathways, including glucose metabolism, the Krebs cycle, oxidative phosphorylation, plant metabolism, and biosynthetic pathways, and the regulation of these processes. It also discusses current discoveries and trends in biochemistry and biotechnology, especially those being used in the Philippines and those which may have a significant impact in the local scene.

CHEM 161.41

INORGANIC COMPOUNDS AND REACTIONS, LECTURE

3 units

Prerequisites: CHEM 131.01, CHEM 131.02, CHEM 142.01, and CHEM 142.02

Co-requisite: CHEM 161.42

The lecture course CHEM 161.41 surveys the variety of inorganic compounds that are currently known, including descriptive non-metallic and main group chemistry. The bulk of the course features coordination and organometallic compounds, their unique bonding schemes, isomerisms, mechanisms and systematics of inorganic functional groups, the thermodynamics and kinetics of inorganic reaction mechanisms, inorganic compounds in catalysis and biological systems, and the spectroscopic analysis of inorganic compounds.

CHEM 161.42

INORGANIC COMPOUNDS AND REACTIONS, LABORATORY

1 unit

Prerequisites: CHEM 131.01, CHEM 131.02, CHEM 142.01, and CHEM 142.02

Co-requisite: CHEM 161.41

This laboratory course comprises experiments that deal with synthesis and characterization, both chemical and instrumental, of inorganic main group and transition metal compounds. These compounds are also used in reactions for kinetic, mechanistic, and catalytic studies.

CHEM 171.41

PHYSICAL CHEMISTRY I, LECTURE

3 units

Prerequisites: CHEM 131.01, CHEM 131.02, CHEM 142.01, CHEM 142.02, PHYS 31.01, PHYS 31.02, MATH 30.24

Co-requisite: CHEM 171.42

This is the first physical chemistry course for Chemistry majors. It covers the laws of thermodynamics and their application to chemical systems, the calculation of heat effects and equilibrium in chemical reactions, phase equilibria and phase diagram. Applications to environment, technology and society are discussed.

CHEM 171.42

PHYSICAL CHEMISTRY I, LABORATORY

1 unit

Prerequisites: CHEM 131.01, CHEM 131.02, CHEM 142.01, CHEM 142.02, PHYS 31.01, PHYS 31.02, MATH 30.24

Co-requisite: CHEM 171.41

This is the companion laboratory course for Physical Chemistry I. This exposes the students to physical chemistry principles by way of direct experimentation. It also teaches new laboratory skills in experimental chemistry. Topics and experiments covered include gases, properties of liquids and solutions, phase diagrams and others. This first course also incorporates error analysis and basic mathematical and computational methods in chemistry.

CHEM 172.41

PHYSICAL CHEMISTRY II, LECTURE

3 units

Prerequisites: CHEM 171.41, CHEM 171.42, PHYS 33.01, PHYS 33.02, MATH 30.24

Co-requisite: CHEM 172.42

This is the second physical chemistry course for Chemistry majors. The course covers equilibrium electrochemistry, transport phenomena, structure of solids, surface chemistry, and kinetics of chemical reactions. It also covers an introduction to quantum chemistry including the postulates and application to simple systems. Applications to environment, technology and society are discussed.

CHEM 172.42

PHYSICAL CHEMISTRY II, LABORATORY

1 unit

Prerequisites: CHEM 171.41, CHEM 171.42, PHYS 33.01, PHYS 33.02, MATH 30.24

Co-requisite: CHEM 172.41

This is the laboratory course for Physical Chemistry II. It exposes the students to physical chemistry principles by way of direct experimentation. It also teaches new laboratory skills in experimental chemistry. Topics and experiments covered include electrochemistry, chemical kinetics, and surface phenomena.

CHEM 173.31

PRINCIPLES OF QUANTUM CHEMISTRY, LECTURE

2 units

Prerequisites: CHEM 172.41, CHEM 172.42

Co-requisite: CHEM 173.32

The lecture course covers the fundamental principles of quantum chemistry. It covers the postulates, applications to model systems and the electronic structure of the atom and molecule, spectroscopy, computer modeling and applications in other branches of chemistry.

CHEM 173.32

PRINCIPLES OF QUANTUM CHEMISTRY, LABORATORY

1 unit

Prerequisites: CHEM 172.41, CHEM 172.42

Co-requisite: CHEM 173.31

The laboratory component of Principles of Quantum Chemistry covers experiments in quantum properties of light, spectroscopy of molecular systems, and an introduction to computer modeling: semi-empirical and ab initio calculations and an introduction to molecular mechanics and dynamics. Rudimentary computer programming techniques will also be introduced.

CHEM 184.1  
ENVIRONMENTAL CHEMISTRY

3 units

Prerequisite: CHEM 41.21 OR CHEM 43.11 OR CHEM 142.01 OR CHEM 46.5

The course CHEM 184.1 is a discussion of the principles involved in the chemical analysis of ambient environmental samples collected in air and water media. It surveys the various techniques used in the analysis of particulate matter, volatile organic compounds, carbonyls, trace metals, nitrogen compounds, and biological oxygen demand. The course also covers data reduction, data analysis and quality assurance.

CHEM 185.1  
INTRODUCTION TO FOOD SCIENCE

3 units

Prerequisite: CHEM 51.21 OR CHEM 53.10 OR CHEM 151.01

The course CHEM 185.1 gives an overview of food science from a chemistry perspective. It covers the chemical composition and properties of the macronutrients in food, the chemistry of flavorings and other chemical constituents, and the contribution of these constituents to the food quality indices of flavor, color, texture, nutrition and safety. The course also covers techniques in food processing, quality assurance, and food biotechnology.

CHEM 185.2  
INTRODUCTION TO PHARMACEUTICAL CHEMISTRY

3 units

Prerequisite: CHEM 51.21 OR CHEM 53.10 OR CHEM 151.01

This course is an overview of pharmaceutical chemistry. Topics include the principles of drug action (absorption, distribution, metabolism, and excretion); receptor-drug interactions; bioavailability; pharmacokinetics; drug interactions; drug preparation and dosage; and methods for analysis of drugs.

CHEM 187.1  
RADIOCHEMISTRY, LECTURE

3 units

Prerequisites: CHEM 173.31 and CHEM 173.32

The lecture course CHEM 187.1 covers the fundamental principles of radiochemistry. It discusses radioactivity, isotopes, nuclear decay and radiation. The course also studies the use of radioactivity for the elucidation of chemical reactions.

CHEM 187.2  
RADIOCHEMISTRY, LABORATORY

2 units

Prerequisites: CHEM 173.31 and CHEM 173.32

Co-requisite: CHEM 187.1

This is an accompanying laboratory course to CHEM 187.1. Emphasis is on techniques of utilizing radioactive isotopes for tracing and other applications.

CHEM 191  
UNDERGRADUATE SEMINAR I

1 unit

Prerequisites: CHEM 132.41, CHEM 132.42, CHEM 142.01, and CHEM 142.02

This course introduces the student to contemporary topics in chemistry as published in scientific literature, especially primary sources. These serve as venues for discussions into the reading of literature articles, as well as the understanding of current research being studied in modern chemistry.

CHEM 192  
UNDERGRADUATE SEMINAR II

1 unit

Prerequisite: CHEM 191

This second seminar course continues the student's journey through contemporary topics in chemistry leading towards research. The focus is the study of scientific literature, especially primary sources. The course serves as a venue for discussions into the reading of literature articles, as well as the understanding of current research being studied in modern chemistry. This second course culminates with the writing and oral presentation of a thesis proposal, under the supervision of a faculty mentor or mentors, that the student will embark on during succeeding terms.

CHEM 197

PROFESSIONAL ENGAGEMENT

3 units

Prerequisites: CHEM 132.41, CHEM 132.42, CHEM 142.01, and CHEM 142.02

This course is a full-time apprenticeship in chemistry in a professional context. It acquaints the student to the applications of Chemistry as actually practiced in the field. Special arrangements are made to enable the student to experience work as chemists in a chemical firm, research institution, or non-profit organization.

CHEM 199.1

UNDERGRADUATE THESIS I

3 units

Prerequisite: CHEM 192

This course is the first of a two-semester, integrative research project undertaken by the student and supervised by a faculty mentor. The first semester is designed to introduce the student to the fundamentals of independent research. During this time, the course teaches the student on the preparations needed prior to conducting research: the procedures and use of equipment, chemical requisition, safety and waste handling, as well as specialized techniques required by the project. The student then conducts actual research through experimentation and mentor guidance. The student is then guided in the formal writing and presentation of his preliminary research findings.

CHEM 199.2

UNDERGRADUATE THESIS II

3 units

Prerequisites: CHEM 199.1

This course is the second of a two-semester, integrative research project undertaken by the student and supervised by a faculty mentor. The second semester continues the conduct of actual research through experimentation and mentor guidance. The student is then guided in the formal writing and presentation of his preliminary research findings. It culminates in a formal written scientific report and oral presentation of the research results, in line with professional practice in the field.

MATSE 101

PRINCIPLES OF MATERIALS SCIENCE AND ENGINEERING I

3 units

Prerequisites: MATH 30.23, CHEM 171.41 or PHYS 33.01, and CHEM 121.01

The course presents an overview of the structure of solids. Topics include thermodynamics of solid: rigorous development of classical thermodynamics as applied to solids, multi-component systems, phase and chemical equilibria, non-ideal systems, surfaces, and defects. Crystallography, defects, diffraction techniques. Phase diagram, microstructure, solids, crystallization, basic x-ray crystallography, elements of crystal geometry, symmetry, stereographic projections, and reciprocal lattice, generation, properties, and detection of X-rays. It also covers the use of Bragg's Law in common diffraction techniques for the study of crystals, e.g., crystal orientation, simple structure determination, chemical analysis, and stress measurements.

MATSE 102

PRINCIPLES OF MATERIALS SCIENCE AND ENGINEERING II

3 units

Prerequisite: MATSE 101

This course provides an overview of the physical, electronic and optical properties of solids. Topics include introduction to mechanical properties of solids, plastic deformation, deformation of amorphous materials, and structure-property analysis. Electrical and magnetic properties of materials: electron transport, properties of junctions, semiconductor devices, magnetic properties of materials, optical properties and thermal properties. The course also surveys materials design, processing and characterization techniques, and interaction with the environment.

MATSE 106.1

MATERIALS AND TESTING LABORATORY I

3 units

Prerequisite: MATSE 102

The course discusses fabrication, synthesis and testing of materials in laboratory and practical format. Includes topics on structure-property relationships, physical and mechanical properties of metals, ceramics, polymers, and glasses in terms of their atomic structure, molecular or crystal structure and microstructure, equilibrium phase diagrams, X-ray and electron diffraction techniques. It also covers diffusion, nucleation, and growth structure of steels, dislocations theory and its application to yielding, strain hardening, creep, impact, fatigue, and fracture of crystals, and deformation of polymers. The course does selected testing of mechanical and thermal properties, and other materials characterization techniques (SEM/TEM, thermal).

MATSE 106.2

MATERIALS AND TESTING LABORATORY II

3 units

Prerequisite: MATSE 102

The course discusses fabrication, synthesis and testing of materials in laboratory and practical format. Includes topics on structure-property relationships, physical and mechanical properties of metals, ceramics, polymers, and glasses in terms of their atomic structure, molecular or crystal structure and microstructure, equilibrium phase diagrams, X-ray and electron diffraction techniques. It also covers diffusion, nucleation, and growth structure of steels, dislocations theory and its application to yielding, strain hardening, creep, impact, fatigue, and fracture of crystals, and deformation of polymers. The course does selected testing of mechanical and thermal properties, and other materials characterization techniques (SEM/TEM, thermal).

MATSE 111

METALLIC MATERIALS

3 units

Prerequisite: MATSE 102

This course studies the physical and mechanical properties of metals and alloys in relation to their structure, electrical and magnetic properties, cohesion, solid phase transformations, microstructure control and multistage heat treatments. It introduces the students to metallurgical engineering: solidification processing, foundry technology and casting design, welding and joining and the design of weldments. It also includes topics on powder metallurgy: powder production, component design, sintering, manufacturing methods, quality control and inspection.

MATSE 121.01

POLYMERIC MATERIALS, LECTURE

3 units

Prerequisite: MATSE 102

This course presents an overview of polymer chemistry and high polymer physics. Topics include: molecular weight and distribution, polymerization synthesis reactions and kinetics, solution properties, molecular structure, morphology of amorphous and crystalline polymers, rubber elasticity, visco-elasticity, glass transition and mechanical testing. It also covers fabrication, synthesis and testing of polymeric materials are performed in laboratory and practical format.



#### MATSE 121.02

##### POLYMERIC MATERIALS, LABORATORY

1 unit

Prerequisite: MATSE 102

Co-requisite: MATSE 121.01

This is the accompanying laboratory course on polymer chemistry and high polymer physics. Topics include: molecular weight and distribution, polymerization synthesis reactions and kinetics, solution properties, molecular structure, morphology of amorphous and crystalline polymers, rubber elasticity, visco-elasticity, glass transition and mechanical testing. It also covers fabrication, synthesis and testing of polymeric materials are performed in laboratory and practical format.

#### MATSE 122.01

##### INTRODUCTION TO POLYMERS LECTURE

3 units

Prerequisite: MATSE 102

This course is an overview of polymer chemistry and high polymer physics. Topics include: molecular weight and distribution, polymerization reactions and kinetics, solution properties, molecular structure, morphology of amorphous and crystalline polymers, rubber elasticity, visco-elasticity, glass transition, and mechanical testing.

#### MATSE 122.02

##### INTRODUCTION TO POLYMERS LABORATORY

1 unit

Prerequisite: MATSE 102

Co-requisite: MATSE 122.01

This course is an overview of polymer chemistry and high polymer physics. Topics include: molecular weight and distribution, polymerization reactions and kinetics, solution properties, molecular structure, morphology of amorphous and crystalline polymers, rubber elasticity, visco-elasticity, glass transition, and mechanical testing.

#### MATSE 131

##### CERAMIC MATERIALS

3 units

Prerequisite: MATSE 102

This course is an introduction to ceramics: classification and structures of ceramics, clay minerals, silicates and silica. Ceramics processing, solid and liquid phases sintering, pressure sintering, sintering maps. Glass formation and glass ceramics. Properties of ceramic materials: elasticity, plastic deformation, micro-structural dependence of mechanical properties. Thermal, electrical and optical properties. Novel ceramic processing: new non-conventional ceramic fabrication methods (CVD, sol-gel, etc.); an emphasis on how the properties of the ceramics are dependent on the fabrication route used in their formation. Advanced ceramic applications: the areas of use of advanced ceramics in engineering; an analysis of the reason for the selection of the particular material with respect to its properties (mechanical, electrical, magnetic, optical, etc). Designing with ceramics: general principles of the problems and solutions used in designing with brittle materials.

#### MATSE 141

##### ELECTRONIC MATERIALS

3 units

Prerequisite: MATSE 102

This is a 3-unit lecture course introducing the materials science and engineering student to electronic materials. The origin of the electrical properties of materials is traced to its energy band structure. Theories of electrical conductivity in metals and semiconductors, p-n junctions, piezoelectric materials, conducting are discussed. Some materials and devices are given as examples to give an idea how they are fabricated and characterized.

MATSE 151  
ENGINEERING COMPOSITES

3 units

Prerequisite: MATSE 102

The course introduces fiber reinforced composites: atomistic basis for design and properties of engineering composites. Topics include prediction of composite strength and toughness related to real material behavior, preparation, advantages, and limitations of fiber reinforcements, and of polymer, metal, and ceramic matrix composites, anisotropic continuum representations as well as test and characterization methods.

MATSE 160  
INNOVATION AND TECHNOLOGY

3 units

Prerequisite: MATSE 102

This course focuses on strategic thinking and the role of innovation in changing the technical landscape. It surveys themes like technology and society, creation of new technology companies based on new ideas, and global competitiveness. The global context of technology development and the technical basis of new developments are discussed. The course is intended as a capstone course that develops a strategic overview of technology and applying this knowledge to the Philippine scene. The strategic role of intellectual property: patenting, licensing, and trade secrets in securing for entrepreneurs their intellectual equity are also studied.

MATSE 161  
ENGINEERING MANAGEMENT

2 units

This course studies the principles of accounting, time value of money, and capital investment decision criteria. It also includes a discussion on industrial organization and management concepts, theories, and practices. It also touches on human behavior and gives an introduction to various decision-making tools.

MATSE 170  
MICROSCOPY AND IMAGING OF MATERIALS

3 units

Prerequisite: MATSE 102

This course covers contemporary topics in microscopy and imaging as tools for the characterization and investigation of properties of materials, with special emphasis on new methodologies, techniques, and protocols. Specialized topics include Scanning and Transmission Electron Microscopy (MSE 180.11), Scanned Probe Microscopy (MSE 180.12), optical microscopy, micro-spectrometry, and other contemporary imaging techniques.

MATSE 171  
DIFFRACTION TECHNIQUES

3 units

Prerequisite: MATSE 102

This course covers fundamental and contemporary topics in electron and x-ray diffraction and their applications in the understanding of structure and property of materials.

MATSE 172  
SPECTROSCOPIC ANALYSIS OF MATERIALS

3 units

Prerequisite: MATSE 102

The course covers contemporary spectroscopic techniques in the analysis and characterization of materials. Special topics include FTIR spectrometry, Photoelectron spectroscopy (AES/XPS), Secondary Ion Mass Spectrometry, microprobe techniques, and other modern methods.

MATSE 180  
SPECIAL TOPICS IN POLYMERS

3 units

Prerequisite: MATSE 121.01

This course covers advanced or contemporary topics in polymers: polymer physics, polymerization techniques, polymer process engineering, characterization, fabrication, and others. Special emphasis is on industry-related topics such as emulsion polymerization, conducting polymers, polymer composites, polymer electrolytes, biopolymers, and others.

MATSE 180.1

SPECIAL TOPICS IN POLYMERS: POLYMER PROCESSING AND TECHNOLOGY

3 units

Prerequisite: MATSE 122.01

This course shall cover polymer process engineering and technologies used in industry today. It shall cover fundamental chemical engineering principles as they are exhibited in polymers, basic operations for production, and product design for applications, as well as recycling and environmental considerations. Topics include: applied polymer rheology, polymer processes: extrusion, injection-molding systems, blow molding, and other molding operations; calendering, thermoforming and casting; fiber-spinning processes, and interrelation of polymer processing and polymer structure and properties.

MATSE 181

SPECIAL TOPICS IN ELECTRONIC MATERIALS

3 units

Prerequisite: MATSE 141

This course covers advanced or contemporary topics materials for the electronics and communications industry. Topics include VLSI technology, Si wafer technology, IC packaging, assembly and testing, and next generation technologies including molecular electronic devices, and others.

MATSE 181.1

SPECIAL TOPICS IN ELECTRONIC MATERIALS: SEMICONDUCTOR PACKAGING

3 units

Prerequisite: MATSE 102

This course is an overview of semiconductor manufacturing services (SMS) for packaging of chips. Semiconductor packaging consists of assembly and test operations; namely, die prep, wafer grinding, wafer tape, wafer saw, die attachment, bake oven, wire bonding, mold, deflash, trim and form, singulation, plating, visual inspection, packaging, and post encapsulation workstations. An overview of the test methodologies, device classification and device failure analysis touch on how the choice of materials and processing methods affects the yield and device performance.

MATSE 182

SPECIAL TOPICS IN COMPUTATIONAL MATERIALS SCIENCE

3 units

Prerequisite: MATSE 122.01

This course covers advanced or contemporary topics computational science as applied to materials science and engineering. Topics include finite element analysis, molecular modeling, and others.

MATSE 182.1

SPECIAL TOPICS IN COMPUTATIONAL MATERIALS SCIENCE: ENGINEERING STATISTICS

3 units

Prerequisite: MATH 30.24

This is an introductory course in applied statistics for students in engineering and the physical and chemical sciences. It is assumed that students have sufficient background in differential and integral calculus. Topics in elementary probability theory, estimation, hypothesis testing, regression analysis, and analysis of variance are discussed. Statistical softwares, such as R and SPSS, are utilized to carry out massive computations and data analysis.

MATSE 183  
MODERN TOPICS IN MATERIALS SCIENCE AND ENGINEERING

3 units

Prerequisite: MATSE 102

This course covers advanced topics as applied to materials science and engineering. Topics include nanotechnology, optoelectronic and others.

MATSE 183.1  
MODERN TOPICS IN MATERIALS SCIENCE AND ENGINEERING:  
OPTICAL AND OPTOELECTRONIC MATERIALS

3 units

Prerequisite: PHYS 33.01

The course starts with a brief review of basic electromagnetic optics and proceed with discussions on: optical properties of materials; fabrication of lenses, gratings and waveguides; optoelectronic materials and devices (such as laser, photodiodes and LEDs); various spectroscopic techniques for characterization of materials; and holography.

MATSE 183.2  
MODERN TOPICS IN MATERIALS SCIENCE AND ENGINEERING:  
INTRODUCTION TO NANOTECHNOLOGY

3 units

Prerequisite: MATSE 102 or consent of instructor

This is a 3-unit lecture course for students with a science background, discussing the nature of nanotechnology and its applications. The topics to be discussed include: (a) the theoretical and conceptual framework of nanotechnology; (b) classes of nanomaterials; (c) methods for making nanostructured systems either using a top-down or bottom-up approach; (d) the different tools for characterization of nanomaterials; (e) their applications in various sectors of society (including those in the Philippines): environment, energy, electronics, ICT, health and biomedicine (f) the design of new materials; and (g) the global and local socio-economic impact of nanotechnology.

MATSE 184  
SPECIAL TOPICS IN MATERIALS PROCESSING

3 units

Prerequisite: MATSE 102

This course covers current methodologies and advances in materials processing.

MATSE 199.1  
MATERIALS RESEARCH PROJECT I

3 units

Prerequisite: PHYS 199.3 or CHEM 199.2

The objective of the course is to allow the students to accomplish independent research and learning on a particular aspect of materials research and engineering. The student is required to present a proposal (written and oral), work on the project, a final presentation, and final documentation on a selected research problem chosen by the student or assigned by a mentor. The student is also required to attend regular research group meetings, present updates, and train on special techniques needed for the implementation of his/her research project.

MATSE 199.2  
MATERIALS RESEARCH PROJECT II

3 units

Prerequisites: PHYS 199.3 or CHEM 199.2, and 199.1

The objective of the course is to allow the students to accomplish independent research and learning on a particular aspect of materials research and engineering. The student is required to present a proposal

(written and oral), work on the project, a final presentation, and final documentation on a selected research problem chosen by the student or assigned by a mentor. The student is also required to attend regular research group meetings, present updates, and train on special techniques needed for the implementation of his/her research project.

# ELECTRONICS, COMPUTER, AND COMMUNICATIONS ENGINEERING

PLDT-CTC, Rm 314  
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The Department of ECCE provides a science-based and research-oriented engineering program characterized by a multidisciplinary approach which aims to develop graduates who will be front-runners in the rapidly changing fields of microelectronics, telecommunications, biomedical engineering, and energy.

The engineering programs offered by the Department of Electronics, Computer, and Communications Engineering aims to incorporate the profile of an Ideal Ateneo Graduate and the Engineering Program Outcomes. There are several factors that are outside the engineering program and this will be important in defining the identity and mindset of an Ateneo Engineer Alumni. The continuous struggle for the Department and the School is to find the synergy between the Ideal Ateneo Graduate and the Engineering Program Outcomes that bring out the best in our graduates which allow them to be productive members of our society as engineering professionals.

*Program Learning Outcomes*

1. Recognize the need for, and an ability to engage in life-long learning
2. Function on multidisciplinary teams
3. Apply knowledge of contemporary issues
4. Communicate effectively
5. Apply knowledge of mathematics and science to solve engineering problems
6. Design and conduct experiments, as well as to analyze and interpret data
7. Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability in
8. Identify, formulate, and solve, engineering problems
9. Apply professional and ethical responsibility
10. Identify the impact of engineering solutions in a global, economic, environmental, and societal context
11. Use techniques, skills, and modern engineering tools necessary for engineering practice
12. Apply knowledge of engineering and management principles as a member and leader in a team, to manage projects and in multidisciplinary environments

## BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING

This 5-year program aims to train licensed engineers who have a competent grasp of both the science and technology of modern electronics and telecommunications. It is expected that these professionals will not only be applications experts but also creative innovators in this field.

The program is global in its outlook, with teaching and training extending beyond the classroom. The student curriculum incorporates exposure to industry and on-the-job training that will enhance the students' professional preparation. The industry commitment and linkage programs provide an excellent environment for research, innovation and technology development.

<u>First Semester</u>		<b>FIRST YEAR</b>		<u>Units</u>	
		<u>Units</u>	<u>Second Semester</u>		
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 21.31	General Chemistry for Engineers, Lecture	3	MATH 30.23	Applied Calculus for Science and Engineering	3
CHEM 21.32	General Chemistry for Engineers, Laboratory	1	PHYS 31.31	Analytical Physics for Engineering 1, Lecture	3
ENGG 30.02	Introduction to Programming for Engineers	2	PHYS 31.32	Analytical Physics for Engineering 1, Laboratory	1
MATH 10	Mathematics in the Modern World	3	ENGG 11	Computer-aided Drafting	1
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3

THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	21(2)		TOTAL	20(2)

#### SECOND YEAR

<u>Intersession</u>	<u>Units</u>	
ENGG 21	Engineering Data Analysis	3
MATH 30.24	Applied Calculus for Science and Engineering II	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ENGG 25	Differential Equations	3	ENGG 47	Electromagnetic Theory and Applications	4
ENGG 40.01	Engineering Physics, Lecture	3	ENGG 102.01	Circuits II, Lecture	3
ENGG 40.02	Engineering Physics, Laboratory	1	ENGG 102.02	Circuits II, Laboratory	1
ENGG 101.01	Circuits I, Lecture	3	ENGG 111.01	Electronics I, Lecture	3
ENGG 101.02	Circuits I, Laboratory	1	ENGG 111.01	Electronics I, Laboratory	1
ArtAp 10	Art Appreciation	3	STS 10	Science, Technology, and Society	3
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	20(2)	PHYED 4	Physical Education 4	(2)
				TOTAL	21(5)

#### THIRD YEAR

<u>Intersession</u>	<u>Units</u>	
ENVI 10.01	Introduction to Environmental Science, Lecture	3
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ENGG 27.01	Advanced Engineering Math with Numerical Methods, Lecture	3	ENGG 112.01	Electronics II, Lecture	3
ENGG 27.02	Advanced Engineering Math with Numerical Methods, Laboratory	1	ENGG 112.02	Electronics II, Laboratory	1
ENGG 48	Materials Science and Engineering	3	ENGG 122.01	Microprocessors and Microcontrollers, Lecture	3
ENGG 121.01	Logic Circuits and Switching Theory, Lecture	3	ENGG 122.02	Microprocessors and Microcontrollers, Laboratory	1
ENGG 121.02	Logic Circuits and Switching Theory, Laboratory	1	ENGG 151.01	Signals, Spectra, and Signal Processing, Lecture	3
ENGG 161	Engineering Management	2	ENGG 151.02	Signals, Spectra, and Signal Processing, Laboratory	1
PHILO 12	Philosophy of Religion	3	ENGG 192	Research Methods	1
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	PHILO 13	Ethics	3
	TOTAL	19(3)		TOTAL	19(0)



**FOURTH YEAR**

<u>Interession</u>		<u>Units</u>
ENGG 197	On-the-Job Training	3
	TOTAL	3(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
ENGG 141.01	Analog Communication, Lecture	3	ENGG 142.01	Digital Communications, Lecture	3
ENGG 141.02	Analog Communication, Laboratory	1	ENGG 142.02	Digital Communications, Laboratory	1
ENGG 143.01	Data Communication and Networking, Lecture	3	ENGG 144.01	Transmission Media and Antenna Systems, Lecture	3
ENGG 143.02	Data Communication and Networking, Laboratory	1	ENGG 144.02	Transmission Media and Antenna Systems, Laboratory	1
ENGG 152.01	Feedback and Control Systems, Lecture	3	ENGG 190	Seminars	1
ENGG 152.02	Feedback and Control Systems, Laboratory	1	ENGG 199.2	Thesis II	2
ENGG 18X.XX -1-1 (IE 4)	IE 4: Major Elective 1, Lecture	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
ENGG 18X.XX -1-2	Major Elective 1, Laboratory	1	IE 2	Interdisciplinary Elective 2	3
ENGG 199.1	Thesis I	2	IE 3	Interdisciplinary Elective 3	3
SocSc 14	Politics, Governance, and Citizenship	3	TOTAL		20(0)
	TOTAL	21(0)			

**FIFTH YEAR**

<u>First Semester</u>	<u>Units</u>	
ENGG 113.01	Electronics III, Lecture	3
ENGG 113.02	Electronics III, Laboratory	1
ENGG 160	Engineering Economy	3
ENGG 168	Technopreneurship 101	3
ENGG 178.10	ECE Laws, Contracts, Ethics, Standards, and Safety	3
ENGG 18X.XX -2-1	Major Elective 2, Lecture	3
ENGG 18X.XX -2-2	Major Elective 2, Laboratory	1
	TOTAL	17(0)

Total Number of Academic Units: 193(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

This 5-year engineering program prepares students to become quality engineers in information technology and computer applications. Graduates will have good communication and analytical skills gained from mathematics, science, engineering, and elective courses offered by the department. The department puts special emphasis in the field of microelectronics and its application in the rapidly evolving field of digital systems. The hands-on and integrative approach aims to train students to become leaders in enterprises dealing with digital technologies.

**FIRST YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CHEM 21.31	General Chemistry for Engineers, Lecture	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
CHEM 21.32	General Chemistry for Engineers, Laboratory	1	PHYS 31.31	Analytical Physics for Engineering I, Lecture	3
ENGG 30.02	Introduction to Programming for Engineers	2	PHYS 31.32	Analytical Physics for Engineering I, Laboratory	1
MATH 10	Mathematics in the Modern World	3	ENGG 11	Computer-aided Drafting	1
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	21(2)		TOTAL	20(2)

**SECOND YEAR**

<u>Interession</u>		<u>Units</u>
ENGG 21	Engineering Data Analysis	3
MATH 30.24	Applied Calculus for Science and Engineering II	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGG 24	Discrete Mathematics	3	ENGG 16.22	Computer Engineering Drafting and Design	1
ENGG 25	Differential Equations	3	ENGG 32	Data Structures and Algorithms	2
ENGG 31	Object Oriented Programming	2	ENGG 102.01	Circuits II, Lecture	3
ENGG 101.01	Circuits I, Lecture	3	ENGG 102.02	Circuits II, Laboratory	1
ENGG 101.02	Circuits I, Laboratory	1	ENGG 111.01	Electronics I, Lecture	3
ENGG 170	Basic Occupational Health and Safety	3	ENGG 111.02	Electronics I, Laboratory	1
HISTO 12	Readings in Philippine History	3	ENGG 171.20	Computer Engineering as a Discipline	1
PHILO 11	Philosophy: The Human Condition	3	SocSc 12	The Contemporary World	3
PHYED 3	Physical Education 3	(2)	STS 10	Science, Technology, and Society	3
	TOTAL	21(2)	THEO 12	Theology of the Catholic Social Vision	3
			NSTP 11	National Service Training Program 11	(3)
			PHYED 4	Physical Education 4	(2)
				TOTAL	21(5)

**THIRD YEAR**

<u>Interession</u>		<u>Units</u>
ArtAp 10	Art Appreciation	3
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGG 27.01	Advanced Engineering Math with Numerical Methods, Lecture	3	ENGG 38	Software Development	2
ENGG 121.01	Logic Circuits and Switching Theory, Lecture	3	ENGG 122.01	Microprocessors and Microcontrollers, Lecture	3

ENGG 121.02	Logic Circuits and Switching Theory, Laboratory	1	ENGG 122.02	Microprocessors and Microcontrollers, Laboratory	1
ENGG 161	Engineering Management	2	ENGG 125.03	Hardware Description Language	1
PHILO 12	Philosophy of Religion	3	ENGG 151.01	Signals, Spectra, and Signal Processing, Lecture	3
SocSc 13	The Economy, Society, and Sustainable Development	3	ENGG 151.02	Signals, Spectra, and Signal Processing, Laboratory	1
IE 3	Interdisciplinary Elective 3	3	ENGG 192	Research Methods	1
NSTP 12	National Service Training Program 12	(3)	PHILO 13	Ethics	3
	TOTAL	18(3)	THEO 13	A Theology of Marriage, Family, and Vocation	3
			TOTAL		18(0)

#### FOURTH YEAR

##### Interession

ENGG 197	On-the-Job Training	3
	TOTAL	3(0)

##### First Semester

ENGG 123.01	Computer Architecture and Organization, Lecture	3
ENGG 123.02	Computer Architecture and Organization, Laboratory	1
ENGG 142.20	Digital Communications for CPE	3
ENGG 143.01	Data Communication and Networking, Lecture	3
ENGG 143.02	Data Communication and,Networking, Laboratory	1
ENGG 152.01	Feedback and Control Systems, Lecture	3
ENGG 18X.XX-1 (IE 4)	IE 4: Major Elective 1, Lecture	3
ENGG 199.1	Thesis I	2
SocSc 14	Politics, Governance, and Citizenship	3
	TOTAL	22(0)

##### Units Second Semester

ENGG 124.01	Embedded Systems, Lecture	3
ENGG 124.02	Embedded Systems, Laboratory	1
ENGG 126	Operating Systems	3
ENGG 156	Fundamentals of Mixed Signals and Sensors	3
ENGG 190	Seminars	1
ENGG 199.2	Thesis II	2
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	19(0)

#### FIFTH YEAR

##### First Semester

ENGG 160	Engineering Economy	3
ENGG 168	Technopreneurship 101	3
ENGG 178.20	CpE Laws, Contracts, Ethics, Standards, and Safety	2
ENGG 18X.XX-2	Major Elective 2	3
ENGG 18X.XX-3	Major Elective 3	3
ENGG 189	Emerging Technologies	3
	TOTAL	17(0)

Total Number of Academic Units: 192(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### ENGG 10

#### ENGINEERING WORKSHOP AND PRACTICES

1 unit

This course is an introduction to engineering workshop practices and basic machine shop techniques. Topics include the correct, safe, and efficient use of machine shop tools and equipment. The course covers the practical and realistic approach in planning, designing, and construction of electronic equipment. It provides initial experience in assembling electronic and/or electrical equipment.

### ENGG 11

#### COMPUTER AIDED DRAFTING

1 unit

The course is an introduction to the fundamentals of drafting and 3D modelling using a Computer-aided Design (CAD) software and its application in product design. Basic and advanced knowledge about building parametric models of parts and assemblies using 2D sketching tools and 3D modelling commands are discussed throughout the course. Through various rapid prototyping techniques and product design approaches, this course allows the students to cultivate their CAD skills by solving simple real-life engineering problems.

### ENGG 16.22

#### COMPUTER ENGINEERING DRAFTING AND DESIGN

1 unit

Prerequisites: ENGG 101.01, ENGG 101.02

This course focuses on the principles of layout of electrical, electronics, and logic components. Modern representation used for block diagrams, wiring, assembly, and drawings is discussed using both hand-drawn and computer aided design tools. The process of laying out schematic diagrams into a PCB layout as well as the process of etching it to an actual PCB are discussed too. The PCB layout will be etched for the final project.

### ENGG 21

#### ENGINEERING DATA ANALYSIS

3 units

Prerequisite: MATH 30.23

The course begins by discussing the suitability of various methods of data collection for different situations. The relationship of probability to statistics is also discussed, providing students with the tools they need to understand how probability plays a role in statistical analysis. Probability distributions of random variables and their uses are then discussed within the context of their application to data analysis and inference. The course also includes topics such as estimation techniques for unknown parameters, hypothesis testing, inference for regression parameters, and models for estimating means and predicting future values of key variables under study. Finally, statistically based experimental design techniques and analysis of outcomes of experiments are discussed.

### ENGG 24

#### DISCRETE MATHEMATICS

3 units

This is an introductory course in discrete mathematics oriented towards engineering. The course discusses logic, proofs, counting techniques and growth of function in the context of studying algorithms for working with discrete mathematical structures such as sets, matrices, graphs, trees, and finite-state machines. The course serves as a mathematical foundation preparing the student for future work on both software design and combinatorial and sequential digital system design.

ENGG 25  
DIFFERENTIAL EQUATIONS

3 units

Prerequisite: MATH 30.24

This course is intended for all engineering students to have a firm foundation on differential equations in preparation for their degree-specific advanced mathematics courses. It covers first order differential equations, nth order linear differential equations, and systems of first order linear differential equations. It also introduces the concept of Laplace Transforms in solving differential equations. The students are expected to be able to recognize different kinds of differential equations, determine the existence and uniqueness of solution, select the appropriate methods of solution and interpret the obtained solution. Students are also expected to relate differential equations to various practical engineering and scientific problems.

ENGG 27.01  
ADVANCED ENGINEERING MATH WITH NUMERICAL METHODS, LECTURE

3 units

Prerequisite: ENGG 25

Co-requisite: ENGG 27.02

This course introduces various methods for such tasks as finding roots of equations, solving systems of equations, solving eigenvalue problems, function evaluation, curve fitting, interpolation, differentiation, evaluation of definite integrals, and the solution of ordinary and partial differential equations. The numerical methods are presented as alternatives for use when more conventional methods are not viable. The accuracy and efficiency of numerical methods in practical implementations in computers is also discussed and analyzed by considering the implications of numerical representations in computers and by use of power series.

ENGG 27.02  
ADVANCED ENGINEERING MATH WITH NUMERICAL METHODS, LABORATORY

1 unit

Prerequisite: ENGG 25

Co-requisite: ENGG 27.01

This laboratory course complements the topics discussed in Advance Engineering Math with Numerical Methods, Lecture. It provides a hands-on approach to various numerical methods for such tasks as finding roots of equations, solving systems of equations, solving eigenvalue problems, function evaluation, curve fitting, interpolation, differentiation, evaluation of definite integrals, and the solution of ordinary and partial differential equations.

ENGG 30.02  
INTRODUCTION TO PROGRAMMING FOR ENGINEERS

2 units

This is an introductory programming course that aims to give engineering majors a concise overview of modern software development. It introduces the concepts of using programs to solve problems using the computer, and how these programs can be designed from an Object-Oriented Paradigm (OOP) perspective to provide better software solutions. It discusses the fundamentals of programming logic which are mostly applicable to various programming languages. OOP practices and basic Unified Modeling Language (UML) are discussed to introduce structured programming practices. Advanced topics aimed at showcasing the more practical applications of computer programs are also discussed. The course also guides students to learn a different programming language.

ENGG 30.30  
INTRODUCTION TO PROGRAMMING FOR SCIENTISTS

3 units

This is an introductory programming course that aims to give science majors a concise overview of modern

software development. It introduces the concepts of using programs to solve problems using the computer, and how these programs can be designed from an Object-Oriented Paradigm (OOP) perspective to provide better software solutions. It discusses the fundamentals of programming logic which are mostly applicable to various programming languages. OOP practices and basic Unified Modeling Language (UML) are discussed to introduce structured programming practices. Advanced topics aimed at showcasing the more practical applications of computer programs are also discussed. The course gives special attention to guide the students to learn different programming languages used in their specific science fields.

ENGG 31

OBJECT ORIENTED PROGRAMMING

2 units

Prerequisite: ENGG 30.02

This is an advanced programming course that aims to enhance the students' capabilities to develop larger software applications through structured programming using Object-Oriented concepts and principles. It initially discusses the fundamentals of Object-Oriented design including classes, methods, managing complexity, functional independence, cohesion and coupling, separation of concerns, and modularity. Structured programming practices are emphasized through modeling of Object-Oriented design using techniques such as Class-Responsibility-Collaborator Modeling and Unified Modeling Language. Intermediate concepts in object oriented programming are discussed for large software development applications.

ENGG 32

DATA STRUCTURES AND ALGORITHMS

2 units

Prerequisite: ENGG 31

This course deals with fundamental concepts of data structures and algorithms discussed in the context of object-oriented programming. The data structures to be examined include stacks, queues, lists, arrays, trees, and graphs. The course covers and analyzes different sorting and searching algorithms. Programming assignments and lab exercises are regularly given to enhance understanding of concepts learned in the lectures.

ENGG 38

SOFTWARE DEVELOPMENT

2 units

Prerequisites: ENGG 31, ENGG 161

This is an intermediate programming course that focuses on the design, implementation, testing, and deployment of software solutions. The course assumes that the students are able to identify a problem and have a preliminary high level design of the proposed solution. The course emphasizes more on the technical design of code implementation. The importance of establishing programming practices is highlighted during the implementation phase followed by appropriate use of Application Programming Interfaces (APIs) and Code Repositories. Several types of software testing are discussed to create a test matrix to verify functionality, identify defects, and handle errors. Finally, the software solution is deployed for final testing. User's manual and technical documentation are created for software documentation.

ENGG 40.01

ENGINEERING PHYSICS, LECTURE

3 units

Prerequisites: MATH 30.23, PHYS 31.31, PHYS 31.32

Co-requisite: ENGG 40.02

This is a course that deals with the study of electricity and electromagnetic principles, including energy conversion; the nature of light; the nucleus and nuclear reactions; and semiconductor physics. Topics include electromagnetic induction, generators, photoelectric effect, physical optics, atomic spectra, radioactive decay, properties of semiconductors and superconductors.

ENGG 40.02  
ENGINEERING PHYSICS, LABORATORY

1 unit

Pre-requisites: MATH 30.23, PHYS 31.31, PHYS 31.32

Co-requisite: ENGG 40.01

This laboratory course complements the topics in Engineering Physics, Lecture. The experiments aim to provide the students with hands-on experience and let the students observe the properties of materials and physical phenomena. Experiments include ohmic and non-ohmic resistance, capacitor and dielectric permittivity, magnetic field and magnetic field lines, electromagnets and electric motor, electromagnetic induction, hysteresis, refraction and Snell's Law, diffraction and interference, and other engineering-relevant experiments.

ENGG 47  
ELECTROMAGNETIC THEORY AND APPLICATIONS

4 units

Prerequisite: ENGG 25

This course focuses on electromagnetic theory. Topics include vector analysis, and their applications in electric and magnetic fields, resistive, dielectric and magnetic materials, magnetic circuits and fields, time-varying electromagnetic fields, Maxwell's equations and boundary conditions.

ENGG 48  
MATERIALS SCIENCE AND ENGINEERING

3 units

Prerequisite: CHEM 21.31, CHEM 21.32

This course introduces the students to a broad study on the structure and composition of materials (metals, polymers, ceramics, and composite materials) and their properties and behavior in service environments.

ENGG 101.01  
CIRCUITS I, LECTURE

3 units

Prerequisite: MATH 30.23

Co-requisite: ENGG 101.02

This is an introductory course on electric circuit analyses and syntheses using time-domain network theorems and techniques. It is designed to introduce the students to the basic concepts of electricity, electric potential, voltage, current, power, and energy. Passive elements such as resistance, conductance, capacitance, inductance, impedance, and reactance as well as active devices such as independent and dependent sources, and DC and AC sources are discussed. Basic relationships such as Ohm's Law, voltage division, current division, Kirchhoff's rules are tackled too. Time-domain circuit analysis techniques such as Nodal Analysis, Mesh/Loop Analysis, Linearity and Proportionality, Superposition, Thevenin's Theorem, Norton's Theorem, Source Transformation, and Duality Principle are also discussed. The course culminates in the discussion of the transient and steady-state analysis for both DC and AC and miscellaneous and illustrative circuits.

ENGG 101.02  
CIRCUITS I, LABORATORY

1 unit

Prerequisite: MATH 30.23

Co-requisite: ENGG 101.01

This laboratory course complements the topics discussed in Circuits I, Lecture. It is designed to observe the operational characteristics of basic electric circuit components and prove theorems in DC and AC circuit analysis using data gathered through experiments. This laboratory introduces the construction of electronic circuits and the use of electronic equipment to test the behavior of the circuit. Various techniques in gathering, presenting, and interpreting data are discussed to summarize the results of each experiment. The

course culminates with a project that demonstrates the hands-on knowledge gained by the student.

ENGG 102.01

CIRCUITS II, LECTURE

3 units

Prerequisites: ENGG 101.01, ENGG 101.02

Co-requisite: ENGG 102.02

This is an advanced course on electric circuit analyses and syntheses that utilize network theorems and techniques in the time domain, phase domain, frequency or s domain. It discusses the use of differential equations to solve for the complete response in higher-order circuits. Methods of phasors are used in solving the steady-state response to sinusoidal excitation. It also discusses various equations and techniques used in solving for real power, reactive power, complex power, maximum power transfer. Methods of Laplace transforms are also used to find the complete response. Other topics include transfer function, network function, poles and zeros, frequency response, decibel, self-inductance and mutual inductance, linear transformer, ideal transformer, multi-phase circuits, Wye-Delta and Delta-Wye transformations, 2-Port Network Theorems, and miscellaneous and illustrative circuits.

ENGG 102.02

CIRCUITS II, LABORATORY

1 unit

Prerequisites: ENGG 101.01, ENGG 101.02

Co-requisite: ENGG 102.01

This laboratory course complements the topics discussed in Circuits II, Lecture. It is designed to observe the operational characteristics of RLC circuits and transformers and prove theorems in DC and AC circuit analysis using data gathered through experiments. This laboratory also utilizes simulation tools to provide more insights regarding RLC circuits. Various techniques in gathering, presenting and interpreting the frequency response of circuits are discussed. The course culminates with a project that demonstrates the hands-on knowledge gained by the student.

ENGG 111.01

ELECTRONICS I, LECTURE

3 units

Prerequisite: ENGG 101.01, ENGG 101.02

Co-requisite: ENGG 111.02

This is an introductory course on solid-state electronics and semiconductor devices. Topics include the semiconductor junction diode, the bipolar junction transistor, and the field effect transistor; their characteristics, different mathematical and equivalent circuit models; circuit analysis and synthesis, including DC biasing, small-signal analysis, large-signal analysis; illustrative circuits, including wave-shaping, rectifiers, logic circuits, electronic switches, current mirrors, current sources, and amplifiers.

ENGG 111.02

ELECTRONICS I, LABORATORY

1 unit

Prerequisite: ENGG 101.01, ENGG 101.02

Co-requisite: ENGG 111.01

The laboratory course complements the topics discussed in Electronics I, Lecture. It is designed to observe the operational characteristics of semiconductor diode (diodes), bipolar junction transistor (BJT), and field-effect transistor devices (FET). Various techniques in gathering, presenting and interpreting the characteristic curves of the solid-state and semiconductor devices are discussed. The course culminates with a project that demonstrates the hands-on knowledge gained by the student.

ENGG 112.01

ELECTRONICS II, LECTURE

3 units



Prerequisites: ENGG 111.01, ENGG 111.02

Co-requisite: ENGG 112.02

This is an advanced course on solid-state electronics and semiconductor devices. Topics include high frequency transistor models, analysis of transistor circuits, multi-stage amplifiers, feedback, differential amplifiers and operational amplifiers, and integrated circuit families.

ENGG 112.02

ELECTRONICS II, LABORATORY

1 unit

Prerequisites: ENGG 111.01, ENGG 111.02

Co-requisite: ENGG 112.01

This laboratory course complements the topics discussed in Electronics II, Lecture. It is designed to observe the operational characteristics of solid-state and semiconductor devices at high frequency, operational amplifiers, oscillator circuits, and filters. Experiments on practical applications of semiconductor devices are also done. This laboratory also utilizes simulation tools to provide more insights regarding solid-state and semiconductor devices. Various techniques in gathering, presenting and interpreting the high frequency responses of the solid-state and semiconductor devices are discussed. The course culminates with a project that demonstrates the hands-on knowledge gained by the student.

ENGG 113.01

ELECTRONICS III, LECTURE

3 units

Prerequisites: ENGG 112.01, ENGG 112.02

Co-requisite: ENGG 113.02

This course introduces theory and operating characteristics of industrial electronic circuits and control applications. The student learns practical design for instrumentation circuits and control applications.

ENGG 113.02

ELECTRONICS III, LABORATORY

1 unit

Prerequisites: ENGG 112.01, ENGG 112.02

Co-requisite: ENGG 113.02

This laboratory course complements the topics discussed in Electronics III, Lecture. It is designed to observe the operational characteristics of power supplies, amplifiers, multivibrators, thyristors, inverters, and motor control. The student performs experiments and learns practical design for instrumentation and control applications. Various techniques in gathering, presenting and interpreting industrial control designs and circuits are discussed. The course culminates with a project that demonstrates the hands-on knowledge gained by the student.

ENGG 121.01

LOGIC CIRCUITS AND SWITCHING THEORY, LECTURE

3 units

Prerequisites: ENGG 111.01, ENGG 111.02

Co-requisite: ENGG 121.02

This is an introductory course to digital electronics that includes design and analysis of both combinational and sequential circuits with emphasis on solving digital problems using medium to large-scale integration. It begins with an introduction to different number systems and Boolean algebra and proceeds with a bottom up study of the basic units of a computer. It covers combinational logic including topics on the basic logic gates, simplification using Boolean algebra and Karnaugh maps, programmable logic arrays, and the design of the arithmetic logic unit (ALU) to lay the foundation for sequential logic design. Sequential elements that form the building blocks of computers are discussed including flip-flops, registers, counters, and algorithmic state machines. Other topics include gates and gating network, minimization, state and machine equivalence, asynchronous sequential circuits, race conditions, and design of digital sub-systems.

ENGG 121.02

LOGIC CIRCUITS AND SWITCHING THEORY, LABORATORY

1 unit

Prerequisites: ENGG 111.01, ENGG 111.02

Co-requisite: ENGG 121.01

This laboratory course complements the topics discussed in Logic Circuits and Switching Theory, Lecture. It begins with the design of the basic building blocks of digital electronics, the logic gates. It then covers combinational logic including Karnaugh maps, logic arrays (PAL, PLA). Sequential elements that form the building blocks of computers are discussed including flip-flops, registers, counters, and algorithmic state machines. Laboratory activities are designed to provide the students to design, implement, and test several digital circuits to equip them with the hands-on knowledge using integrated IC relevant to the course. The course culminates with a project that demonstrates the hands-on knowledge gained by the student.

ENGG 122.01

MICROPROCESSORS AND MICROCONTROLLERS, LECTURE

3 units

Prerequisites: ENGG 121.01, ENGG 121.02

Co-requisite: ENGG 122.02

This course provides understanding of architecture of microprocessor-based systems; registers, study of microprocessor operation, assembly language, arithmetic operations, and interfacing.

ENGG 122.02

MICROPROCESSORS AND MICROCONTROLLERS, LABORATORY

1 unit

Prerequisites: ENGG 121.01, ENGG 121.02

Co-requisite: ENGG 122.01

This laboratory course complements the topics discussed in Microprocessors and Microcontrollers, Laboratory. This course is designed to equip the students with the fundamental concepts of microprocessor systems. It focuses on practical exercises with emphasis on microprocessor system design, microprocessor and microcontroller programming, interfacing, and controller design.

ENGG 123.01

COMPUTER ARCHITECTURE AND ORGANIZATION, LECTURE

3 units

Pre-requisites: ENGG 122.01, ENGG 122.02

Co-requisite: ENGG 123.02

This course presents the evolution of computer architecture and discusses the factors that contributed to the development and design of computer hardware and organization. It includes understanding of the design issues that are taken into consideration by hardware developers, its pros and cons in which the performance is quantitatively measured. Topics that are tackled include instruction set architecture, computer performance measure, processor components and organization, and multiple processors and its organization.

ENGG 123.02

COMPUTER ARCHITECTURE AND ORGANIZATION, LABORATORY

1 unit

Prerequisites: ENGG 122.01, ENGG 122.02

Co-requisite: ENGG 123.01

This laboratory course complements the topics discussed in Computer Architecture and Organization, Lecture. It provides a hands-on approach to instruction set architecture, computer performance measure, processor components and organization, and multiple processors and its organization.

ENGG 124.01  
EMBEDDED SYSTEMS, LECTURE

3 units

Prerequisites: ENGG 122.01, ENGG 122.02

Co-requisite: ENGG 124.02

This course provides advanced topics in embedded systems design using contemporary practice; interrupt driven, reactive, real-time, object-oriented and distributed client/server embedded systems.

ENGG 124.02  
EMBEDDED SYSTEMS, LABORATORY

1 unit

Prerequisites: ENGG 122.01, ENGG 122.02

Co-requisite: ENGG 124.01

This laboratory course complements the topics discussed in Embedded Systems, Lecture. This course provides hands-on application of embedded systems design using contemporary practice; interrupt-driven, reactive, real-time, object-oriented and distributed client/server embedded systems.

ENGG 125  
PROGRAMMING FOR ENGINEERS

3 units

Prerequisites: ENGG 121.01, ENGG 121.02

This course covers an introduction to Field Programmable Gate Array (FPGA), and hardware description languages (HDL) such as VHDL and VERILOG. It provides an in-depth study of current and historical issues in the design, implementation, and application of HDL. Topics include areas such as syntax, semantics, binding, data abstraction, exception handling, concurrency, digital circuit and synthesis.

ENGG 125.03  
HARDWARE DESCRIPTION LANGUAGE

1 unit

Prerequisites: ENGG 121.01, ENGG 121.02

This is a laboratory course that introduces hardware description language as a tool for designing and testing combinational and sequential circuits. It covers fundamental concepts of HDL and the basic building blocks of HDL programming.

ENGG 126  
OPERATING SYSTEMS

3 units

Prerequisite: ENGG 123.01

This course discusses different management techniques and strategies used to develop an operating system. It also introduces different design and implementation strategies of popular operating systems such as Windows and Linux. The topics covered include process management, memory management, file management, storage management and multiple and distributed operating systems.

ENGG 141.01  
ANALOG COMMUNICATION, LECTURE

3 units

Prerequisites: ENGG 111.01, ENGG 112.01, ENGG 151.01

Co-requisite: ENGG 141.02

This course is the first of a two-part series of introductory courses on the principles of communication systems, focusing on analog signal modulation and transmission. Topics include the concept of bandwidth; design of filters; noise and noise analysis; amplitude, frequency, and phase modulation; pulse modulation; time and frequency division multiplexing; radio transmitters and receivers; and phase locked loop.

ENGG 141.02

ANALOG COMMUNICATION, LABORATORY

1 unit

Prerequisites: ENGG 111.01, ENGG 112.01, ENGG 151.01

Co-requisite: ENGG 141.01

This laboratory course complements the topics discussed in Analog Communication, Lecture. The course deals mainly with analog modulation and demodulation techniques including phase-locked loops. Students study these techniques by simulation using software such as Matlab, Multisim and the like; and implementation of circuits.

ENGG 142.01

DIGITAL COMMUNICATIONS, LECTURE

3 units

Prerequisites: ENGG 121.01, ENGG 121.02, ENGG 141.01, ENGG 141.02

Co-requisite: ENGG 142.02

This is the second of a two-part series of introductory courses on the principles of communication systems with emphasis on digital encoding and transmission. Topics include random variables, bit-error rate and residual bit-error rate; matched filter concept and buffering; digital modulation techniques like amplitude-shift keying (ASK), frequency-shift keying (FSK), phase-shift keying (PSK); pulse modulation; CDMA and W-CDMA systems; signal space concepts and generalized orthonormal signals; information measures-entropy; channel capacity concepts; efficient encoding; error correcting codes information theory; data compression; and queuing and statistical multiplexing.

ENGG 142.02

DIGITAL COMMUNICATIONS, LABORATORY

1 unit

Prerequisites: ENGG 121.01, ENGG 121.02, ENGG 141.01, ENGG 141.02

Co-requisite: ENGG 142.01

This laboratory course complements the topics discussed in Digital Communications, Lecture. The course deals mainly with digital modulation and encoding techniques such as PWM, ASK, PSK, and QAM, among others. Students study these techniques by simulating data encoding, decoding, modulation, and demodulation using simulation software such as the National Instruments LabVIEW and the like.

ENGG 142.20

DIGITAL COMMUNICATIONS FOR CPE

3 units

Prerequisites: ENGG 121.01, ENGG 151.01

This course is an introductory course on the principles of digital communication systems. It starts with an overview of basic communication systems particularly analog data to digital data conversion. Furthermore, it covers the basic concepts involved in digital transmission, digital modulation, information theory, encoding, error detection, error correction, and multiplexing. It also includes simulation activity sessions (e.g. Matlab or LabView) to support the analysis of the concepts.

ENGG 143.01

DATA COMMUNICATION AND NETWORKING, LECTURE

3 units

Prerequisites: ENGG 121.01, ENGG 121.02, ENGG 151.01

Co-requisites: ENGG 141.01 AND ENGG 141.02 or ENGG 142.01 and ENGG 142.02 for CPE; and ENGG 143.02

This course is an introduction to data communications. Topics include data communications systems, including terminals, modems, terminal control units, multiplexers, concentrators, front-end processors, and transmission media. Data communications system design, computer network models, network topologies, and network protocols in LANs and WANs, including the TCP/IP suite of protocols are covered. Other topics include common carrier services such as wireless and mobile communication systems.

ENGG 143.02

DATA COMMUNICATION AND NETWORKING, LABORATORY

1 unit

Prerequisites: ENGG 121.01, ENGG 121.02, ENGG 151.01

Co-requisites: ENGG 141.01 AND ENGG 141.02 or ENGG 142.01 and ENGG 142.02 for CPE; and ENGG 143.02

This laboratory course complements the topics discussed in Data Communication and Networking, Lecture. Laboratory exercises are designed to give students the practical and hands-on aspects of topics learned in the lecture class. Topics and exercises include multi-level network configuration and hardware setup.

ENGG 144.01

TRANSMISSION MEDIA AND ANTENNA SYSTEMS, LECTURE

3 units

Prerequisites: ENGG 141.01, ENGG 141.02

Co-requisites: ENGG 142.01, ENGG 142.02 and ENGG 144.02

This course discusses different transmission media used in both wired and wireless transmission systems. Topics include radiowave propagation, wired and wireless transmission systems with emphasis on optical fiber, transmission lines and antenna systems.

ENGG 144.02

TRANSMISSION MEDIA AND ANTENNA SYSTEMS, LABORATORY

1 unit

Prerequisites: ENGG 141.01, ENGG 141.02

Co-requisites: ENGG 142.01, ENGG 142.02 and ENGG 144.01

This laboratory course complements the topics discussed in Transmission Media and Antenna Systems, Lecture. Laboratory exercises are designed to give students the practical and hands-on aspects of topics learned in the lecture class. Topics include Transmission Media, Fiber Optic Transmission System, Transmission Lines and Antenna Systems.

ENGG 151.01

SIGNALS, SPECTRA, AND SIGNAL PROCESSING, LECTURE

3 units

Prerequisites: ENGG 27.01, ENGG 27.02

Co-requisite: ENGG 151.02

This is a lecture course on signals, spectra, and signal processing. The course starts with a discussion of the nature of digital signals resulting from sampling and quantization processes. Linear time-invariant (LTI) systems are introduced as the most general linear systems for processing one-dimensional single channel signals in the time domain while Fourier transforms allow analysis of signals in the frequency domain. Important properties of LTI systems are studied both in the time domain and the frequency domain through z-transforms. Applications involving the processing of real-world digital signals such as digital audio, images and video are also studied.

ENGG 151.02

SIGNALS, SPECTRA, AND SIGNAL PROCESSING, LABORATORY

1 unit

Prerequisites: ENGG 27.01, ENGG 27.02

Co-requisite: ENGG 151.01

This laboratory course complements the topics discussed in Signals, Spectra, and Signal Processing, Lecture. The course starts with a discussion of the nature of digital signals resulting from sampling and quantization processes. Linear time-invariant (LTI) systems are introduced as the most general linear systems for processing one-dimensional single channel signals in the time domain while Fourier transforms allow analysis of signals in the frequency domain. Important properties of LTI systems are studied both in the time domain and the frequency domain through z-transforms. Applications involving the processing of real-world digital signals such as digital audio, images and video are also studied.

ENGG 152.01  
FEEDBACK AND CONTROL SYSTEMS, LECTURE

3 units

Prerequisites: ENGG 151.01, ENGG 151.02

Co-requisite: ENGG 152.02

This course deals with the study of linear open loop and closed loop control systems in both time and frequency domain. It involves first order to higher order systems. Topics include several system representations such as block diagrams, state space and transfer functions. It also includes root locus, Bode and polar plots, stability criteria, compensation techniques and PID controllers.

ENGG 152.02  
FEEDBACK AND CONTROL SYSTEMS, LABORATORY

1 unit

Prerequisites: ENGG 151.01, ENGG 151.02

Co-requisite: ENGG 152.01

This laboratory course complements the topics discussed in Feedback and Control Systems, Lecture. It provides a hands-on approach to the study of linear open loop and closed loop control systems in both time and frequency domain. It involves first order to higher order systems. Topics include several system representations such as block diagrams, state space and transfer functions. It also includes root locus, Bode and polar plots, stability criteria, compensation techniques and PID controllers.

ENGG 156  
FUNDAMENTALS FOR MIXED SIGNALS AND SENSORS

3 units

Prerequisites: ENGG 111.01, ENGG 111.02

This is an introductory course on analyzing signals in the time and frequency domain. Students obtain the important parameters from electronics engineering systems based on their mathematical models. Topics include: Differential and Difference Equations, Two-Port Networks, the Laplace Transform, the Fourier Series and Transform, the z-Transform, Sampling and Reconstruction, Filters. Students also learn about various circuits and sensors and transducers as well as actuators for converting physical parameters into electrical signals and vice-versa. This course covers operational amplifiers, signal converters, power switching devices and filters. The course focuses on the application of these devices in developing signal conversion circuits that allow measurement, processing and control of physical parameters by digital processing systems.

ENGG 160  
ENGINEERING ECONOMY

3 units

The course involves the analysis and evaluation of factors for the economic success of engineering projects to ensure the best of capital. The course emphasizes the need to understand that any engineering project must be economically advantageous by studying concepts of the time value of money and equivalence, and basic economic study methods. The course also discusses the process of evaluating and selecting project alternatives as well as making decisions taking into consideration risk and uncertainty in the process.

ENGG 161  
ENGINEERING MANAGEMENT

2 units

The course aims to enable the students to manage engineering solutions starting from the identification of a problem until the creation of a financially viable proposed solution with a complete project proposal. The course starts with the identification of a problem that is solvable through an engineering solution and translates this into a system requirement. The course proceeds in guiding the students to understand and create the necessary management structure needed to execute a project. Functions of management are crucial in ensuring that the project is operationally feasible. Costing and budget are then explored to ensure the financial viability of the project. Finally, the course culminates with the presentation of a detailed project

proposal.

ENGG 168

TECHNOPRENEURSHIP 101

3 units

Prerequisite: ENGG 161

The course aims to introduce the concepts and practices of technology, entrepreneurial thinking, and entrepreneurship to engineering students. However, students from other disciplines are welcome to enroll in this course to promote diversity in the team formation. The course is taught with lectures, case studies, and student presentations. Through this course, the students are expected to form a team, develop their business idea in a start-up environment and present their business plan in a pitch competition at the end of the semester.

ENGG 170

BASIC OCCUPATIONAL HEALTH AND SAFETY

3 units

This course tackles key Occupational Health and Safety (OSH) concepts, principles and practices that are foundational knowledge requirements applicable in almost all industries. Key elements of OSH both here and abroad are used to introduce the field. Pertinent provisions of the Philippine laws for OSH are discussed. The process of determining existing and potential safety and health hazards along with viable control measures are taught to develop skills applicable to the workplace. Effective OSH programs are explored to serve as reference for future implementation of OSH programs. Techniques used in communicating OSH are also discussed.

ENGG 171.20

COMPUTER ENGINEERING AS A DISCIPLINE

1 unit

This course discusses the knowledge, skills, and attitude that are crucial for Computer Engineering. It prepares the students for success through engineering design process, teamwork, and communicating to diverse audiences.

ENGG 178.10

ECE LAWS, CONTRACT, ETHICS, STANDARDS, AND SAFETY

3 units

This course discusses ECE laws and regulations. It focuses on the legal and ethical positions of the professional engineer. Topics covered are contracts, warranties, liabilities, patents, bids and insurance.

ENGG 178.20

CPE LAWS, CONTRACT, ETHICS, STANDARDS, AND SAFETY

2 units

This course provides the importance of the professional and ethical responsibilities of practicing computer engineers and the effects of their work on society. It covers applicable IT laws and policies in the field of computer engineering. It also evaluates the effects of engineering solutions to society and the professional and ethical responsibilities inherent to these solutions. It tackles the importance of understanding contemporary issues and lifelong learning strategies. Finally, it revisits the business and management issues, and potential tradeoffs that are encountered in the professional practice.

ENGG 181.20

FOUNDATION OF VLSI DESIGN

3 units

Prerequisite: ENGG 111.01, ENGG 111.02

This course introduces the foundational concepts of CMOS VLSI. The student learns the basics of CMOS theory, CMOS process and fabrication, and the CAD tools in IC technology.

ENGG 181.21  
PRINCIPLES OF VLSI DESIGN  
3 units

Prerequisite: ENGG 181.20

This course introduces the basics of design in CMOS VLSI. The student learns CMOS design for digital and analog circuits, as well as its practical circuits and applications.

ENGG 181.22  
ASIC DESIGN  
3 units

Prerequisite: ENGG 181.21

This course introduces ASIC design in CMOS VLSI. The student learns ASIC design for digital and analog circuits, basics of programming logic devices, as well as its practical circuits and applications.

ENGG 183.20  
WIRELESS COMMUNICATIONS  
3 units

Prerequisite: ENGG 141.01, ENGG 141.02

This course discusses the fundamentals of wireless communications including an overview of current and emerging wireless communications networks. It covers topics on wireless propagation, propagation path-loss, fading cellular communications, long term evolution technologies, wireless data networks.

ENGG 183.21  
ADVANCED COMMUNICATION SYSTEM AND DESIGN  
3 units

Prerequisite: ENGG 183.20

This course discusses the analysis and design of communication systems and the applications of theory to actual systems such as Terrestrial and Satellite Microwave. Topics include signal transmission modes, spread spectrum modulation system, terrestrial microwave, satellite systems, satellite multiple access techniques, path calculations, link budget, design considerations and challenges.

ENGG 183.31  
INTRODUCTION TO WIRELESS SENSOR NETWORK  
3 units

Prerequisite: ENGG 183.20

This course discusses the fundamentals of wireless sensor networks (WSN) including hardware, radio architecture, software, protocols, and applications which also cover the latest research on WSN. Topics include sensor network architectures, hardware platforms, physical layer, medium access control, routing, topology, localization, time synchronization, security, storage, among others.

ENGG 184.01  
ENERGY AND CIVILIZATION  
3 units

Prerequisite: STS 10

This course looks into the role of energy in the advancement of technology and in shaping society. The rise of fossil fuel and how society became dependent on it is discussed. Scientific discoveries and inventions played a role in the increasing demand for energy but also provided new forms of energy sources: nuclear, solar, wind, biomass and geothermal, among others. Lastly, the lasting impact of these energy sources coupled with our role as consumers of energy is analyzed.

ENGG 184.10  
ENERGY GENERATION AND STORAGE  
3 units

Prerequisites: ENGG 47, ENGG 102.01, ENGG 102.02, ENGG 111.01, ENGG 111.02, ENGG 184.01



This course deals with the principles of operation, design, and control of the different devices that are involved in the generation, transformation, conversion, and storage of electrical energy in modern power systems. It introduces electromechanical, piezoelectric, photoelectric, photovoltaic, thermoelectric, and electrochemical generators; and electromechanical, electrical, and electrochemical energy storage devices. It then discusses their analysis and application in energy systems. Electric machines and power electronics that interface the different devices with their application are also introduced, analyzed, and employed. The course then concludes with the control and integration of these devices into energy systems for a holistic treatment of the subject matter.

ENGG 184.30

ENERGY MANAGEMENT AND INTELLIGENT SYSTEMS

3 units

Prerequisites: ENGG 122.01, ENGG 122.02 ENGG 184.10

This course discusses energy as a resource that can be managed through the views of different stakeholders starting from supply to demand. It first looks into the dependence of modern human society to energy that was inherent with the continuous increase in technological innovation. Techniques used in both the supply side and demand side to manage energy resources are discussed along with the infrastructure essential to effectively manage resources. The course culminates with the discussion of intelligent systems focused on how information both from the supply side and demand side can be used to effectively manage energy to maximize its benefit to human society.

ENGG 189

EMERGING TECHNOLOGIES

3 units

This course is a study on emerging technologies, current trends, and developments in the various fields of computer engineering. Topics include the applications of computer engineering in other disciplines such as physics, medicine, biology, chemistry, education, communications, materials science, environment, and other fields of engineering.

ENGG 190

SEMINARS

1 unit

Prerequisite: ENGG 192

The course includes a series of organized lectures and seminars on selected topics that are highly relevant to the engineering profession but are not covered in any of the other formal courses. It covers recent advances, trends, and issues in engineering. It includes field trips to different companies and plants where students can see their potential future career. It is also a venue for students to explore career paths available in their profession and discern their future professional career.

ENGG 192

RESEARCH METHODS

1 unit

Prerequisite: ENGG 161

This course deals with research preparation methods, research tools, and research proposals. It introduces the students to research and its importance along with the processes needed in choosing a research topic and mentor. The scientific method is reviewed. Reading and extracting relevant information from scientific literature are emphasized. Data analysis is reviewed and used for the analysis of research results. Finally, elements of the research proposal are discussed and an initial proposal is presented by the students at the end of the semester.

ENGG 197

ON-THE-JOB TRAINING

3 units

This course enables students to relate their acquired competencies to the realities and problems of industries in a multidisciplinary environment. This may include involvement in the industry's manpower requirements, development and research concerns, training, applications of principles, environmental concerns, ethical and behavioral concerns, decision making, and equipment and materials concerns.

ENGG 199.1

THESIS I

2 units

Prerequisite: ENGG 192

This course is the first course in a two-semester sequence that constitutes the design, proposal, and initial implementation of an engineering thesis. It includes the essential elements of an engineering design and the relevant tools necessary for the tasks. The thesis proposal presents the background of the study, research question, review of literature, and initial design of the thesis. Skills necessary to implement designs are then discussed. At the end of the semester, the students present their initial prototype.

ENGG 199.2

THESIS II

2 units

Prerequisite: ENGG 199.1

This course is the second course in a two-semester sequence that constitutes the implementation, testing, deployment, documentation, and presentation of an engineering thesis. The prototype done in the previous semester is finalized and tested. Appropriate testing techniques are discussed and applied to the implemented system. The system is deployed whenever applicable. Proper documentation of implementation and testing is also discussed. Finally, the thesis is presented to the department for final evaluation.

# ENVIRONMENTAL SCIENCE

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The Department of Environmental Science seeks to be a Philippine leader in holistic environmental science and technology education and a center of excellence in multi-dimensional research that promotes a vibrant and nurtured environment towards sustaining life and enriching human welfare.

Inspired by Ignatian values, the Department forms technically competent, socially responsible and culturally rooted environmental practitioners who will be catalysts for change across sectors of Philippine society and beyond. It is committed to generating new knowledge on and providing sustainable solutions to the challenges of environment and development.

## BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

The BS Environmental Science (BS ES) curriculum combines the empirical focus of the natural sciences with the pro-active methodologies of management and the social sciences. It provides an extensive interdisciplinary foundation and broad training in systems thinking needed to address many of today's complex environmental problems.

### *Program Learning Outcomes*

In consideration of the CHED outcomes as well as the overall characteristics of the ideal Ateneo graduate, the proposed BS Environmental Science program of the School of Science and Engineering therefore aims to form graduates with the ability to:

#### *Knowledge*

- a. Demonstrate broad and coherent knowledge and understanding in the core areas of environmental science, and in how these areas are interconnected within environmental science and with other complementary fields in the social sciences, the humanities and management.
- b. Articulate the latest developments and trends in the field of environmental science and management, and analyze these issues with a systems lens, recognizing local realities and cultures as well as larger regional and global contexts.
- c. Generate new knowledge and innovations to address perceived needs and gaps related to specific environmental issues.

#### *Skills*

- a. Apply analytical and critical problem-solving skills using the scientific method, including the appropriate design of data generation methods, the sound use of data analysis techniques, and the defensible interpretation of scientific results towards addressing a specific environmental issue.
- b. Demonstrate techniques and procedures following safe, responsible and ethical practices both in the laboratory and the field.
- c. Communicate environment-related issues with a wide range of stakeholders, both in written and oral forms. This includes communication with a scientific audience, i.e. technical writing and presentation, as well as dialogue with non-science publics such as decision-makers, funders and other stakeholders on the ground.

#### *Attitudes/Values*

- a. Demonstrate teamwork, leadership and the collaborative spirit that drives meaningful and holistic environmental work, given the complexity of today's challenges.
- b. Demonstrate professional and moral integrity and excellence, both as a scientist and as a responsible citizen committed to preserving the values of the Ateneo as a Filipino, Catholic and Jesuit institution.
- c. Promote personal and structural transformation oriented towards environmental and social justice.

**FIRST YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
ENVI 10.01	Introduction to Environmental Science, Lecture	3	IE 2: ENVI STUD	Interdisciplinary Elective 2: Environmental Studies Elective	3
ENVI 10.02	Introduction to Environmental Science, Laboratory	1	BIO 100.01	General Zoology, Lecture	3
BIO 110.01	General Botany, Lecture	3	BIO 100.02	General Zoology, Laboratory	2
BIO 110.02	General Botany, Laboratory	2	SocSc 11	Understanding the Self	3
MATH 10	Mathematics in the Modern World	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 100.10/.20	Snorkelling/Basic Survival Swimming	(2)	PHYED 162	Capability for Outdoor Research and Exploration (Core)	(2)
TOTAL		18(2)	TOTAL		20(2)

**SECOND YEAR**

<u>Intersession</u>		<u>Units</u>
MATH 21	University Pre-calculus	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3
FLC 11	Foreign Language and Culture 11	3
TOTAL		9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENVI 110.01	Environmental Ecology, Lecture	3	ENVI 155.01	Introduction to the Earth Sciences, Lecture	3
ENVI 110.02	Environmental Ecology, Laboratory	2	ENVI 155.02	Introduction to the Earth Sciences, Laboratory	2
CHEM 21.11	General Chemistry I, Lecture	3	BIO 120.01	Microbiology, Lecture	3
CHEM 21.12	General Chemistry I, Laboratory	2	BIO 120.02	Microbiology, Laboratory	2
MATH 30.23	Applied Calculus for Science and Engineering I	3	CHEM 22.11	General Chemistry II, Lecture	3
STS 10	Science, Technology, and Society	3	CHEM 22.12	General Chemistry II, Laboratory	2
PHILO 11	Philosophy: The Human Condition	3	MATH 30.24	Applied Calculus for Science and Engineering II	3
PHYED 3	Physical Education 3	(2)	THEO 12	Theology of the Catholic Social Vision	3
TOTAL		19(2)	NSTP 11	National Service Training Program 11	(3)
			PHYED 4	Physical Education 4	(2)
			TOTAL		21(5)

**THIRD YEAR**

<u>Intersession</u>		<u>Units</u>
ArtAp 10	Art Appreciation	3
HISTO 12	Readings in Philippine History	3
IE 1	Interdisciplinary Elective 1 – English	3
TOTAL		9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENVI 160.01	Introduction to Environmental Pollution, Lecture	3	ENVI 100.01	Environmental Monitoring: Instrumentation and Analysis, Lecture	2
ENVI 160.02	Introduction to Environmental, Pollution Laboratory	2	ENVI 100.02	Environmental Monitoring: Instrumentation and Analysis, Laboratory	1
CHEM 34.41	Survey of Analytical Chemistry, Lecture	3	ENVI 176	Environmental Impact Assessment	3

CHEM 34.42	Survey of Analytical Chemistry, Laboratory	2	ENVI 180	Special Topics in Environmental Science	3
MATH 60.1	Statistics for Life Sciences	3	ENVIMOD/ DATSC ELEC	Environmental Modeling/Data Science Elective	3
PHILO 12	Philosophy of Religion	3	PHYS 23.21	College Physics for Environmental Science, Lecture	3
SocSc 12	The Contemporary World	3	PHYS 23.22	College Physics for Environmental Science, Laboratory	2
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
				TOTAL	20(3)

#### FOURTH YEAR

##### Intersession

ENVI 100.03	Environmental Monitoring: Field Research Studies	3
	TOTAL	3(0)

##### Units

##### First Semester

ENVI 199.1	Senior Thesis I	3
ENVI STUD ELECTIVE	Environmental Studies Elective	3
ENVI SCI ELECTIVE	Environmental Science Elective	3
EARTH SCI ELECTIVE	Earth Science Elective	3
PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
	TOTAL	18(0)

##### Units Second Semester

ENVI 199.2	Senior Thesis II	3
ENVI STUD ELECTIVE	Environmental Studies Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3
IE 4	Interdisciplinary Elective 4	3
	TOTAL	18(0)

Total Number of Academic Units: 176(12)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### ENVI 20

#### THE EARTH

3 units

This course is a basic introductory course on geology intended for the non-specialist, with emphasis on Philippine geology. It covers the following basic topics: the origin of the earth and its relationship to the cosmos, rocks, and minerals, volcanism, plate tectonics, and groundwater. It also provides some background information on geologic energy resources (geothermal, coal and petroleum).

### ENVI 90

#### CURRENT ISSUES IN ENVIRONMENTAL SCIENCE

3 units

Prerequisites: ENVI 10.01, ENVI 10.02

This course discusses the latest trends and challenges in the field of environmental science and management, which includes new findings and methods, technological innovations, and current events and case studies. A critical lens is applied to discern the significance of these developments on the field of environmental studies, and on the larger society in general. The course also provides opportunities for reflection on the students' personal roles in the issues, as well as opportunities to communicate the selected issue to a non-science public. Potential future research directions, and potential modes for inter- and trans-disciplinary collaborations are identified.

### ENVI 100.01

#### ENVIRONMENTAL MONITORING: INSTRUMENTATION AND ANALYSIS, LECTURE

2 units

Prerequisites: ENVI 110.01, ENVI 110.02, ENVI 155.01, ENVI 155.02

Co-requisite: ENVI 100.02 if taken as a BS ES major course

This 2-unit lecture course integrates the various mathematical, biological, chemical, and physical principles needed to accurately assess the environment using important environmental indicators. It exposes the students to various sampling and analytical techniques to measure environmental quality, complemented with a deeper understanding of the principles and operation of analytical instruments and procedures. This course serves as an important preparation for the students in the conduct of their thesis in the succeeding year.

### ENVI 100.02

#### ENVIRONMENTAL MONITORING: INSTRUMENTATION AND ANALYSIS, LABORATORY

1 unit

Prerequisites: ENVI 110.01, ENVI 110.02, ENVI 155.01, ENVI 155.02

Co-requisite: ENVI 100.01 if taken as a BS ES major course

This 1-unit laboratory course is designed to complement ENVI 100.01. The laboratory sessions investigate the various applications of environmental monitoring, instrumentation, and analysis. Through experiments, field work, and team projects, this course provides first-hand experience in designing experiments and investigations, sampling, calibrating and operating analytical instruments, and analyzing results. This course also serves as an important preparation for the students in the conduct of their thesis in the succeeding year.

### ENVI 100.03

#### ENVIRONMENTAL MONITORING: FIELD RESEARCH STUDIES

3 units

Prerequisites: ENVI 100.01, ENVI 100.02

This course provides further training and experience in environmental science work. Students are expected to undergo extensive lecture, field and laboratory activities with a partner organization based on identified research interests. Activities include exposure to various types of field research – whether urban or rural/natural, as well as skills in field research design. As one of the capstone activities of the program, this course

provides opportunities to apply concepts and skills learned in the previous environmental science subjects, and to gain firsthand experience in field activities relevant to the student's thesis project, and to a career in environmental science in general.

#### ENVI 110.01

##### ENVIRONMENTAL ECOLOGY, LECTURE

3 units

Prerequisites: ENVI 10.01, ENVI 10.02, BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Co-requisite: ENVI 110.02 if taken as a BS ES major course

Environmental Ecology deals with the principles of ecology as they relate to various environmental issues facing society today. It is a study of biological populations, growth and regulation, niche theory, life history evolution, natural selection, predator-prey dynamics, succession, and competition. The course explores how various environments are organized, the types of interactions that occur in these environments, the different strategies that organisms use to compete effectively within these environments, and why it is useful to know this information. This course also discusses the ways by which people can significantly alter the environment within the framework of basic ecological concepts.

#### ENVI 110.02

##### ENVIRONMENTAL ECOLOGY, LABORATORY

2 units

Prerequisites: ENVI 10.01, ENVI 10.02, BIO 100.01, BIO 100.02, BIO 110.01, BIO 110.02

Co-requisite: ENVI 110.01 if taken as a BS ES major course

This is a laboratory course designed to complement ENVI 110.01. This course focuses on the study of ecosystems, its structural and functional components, as well as environmental disturbances that alter its processes. This course intends to strengthen knowledge on ecological concepts and principles; develop skills in data gathering, organization, analysis, and presentation; and enhance important attitudinal qualities in scientific work such as intellectual integrity and teamwork through field and laboratory experiments, lecture-discussions and field trips. Furthermore, this course examines the complex interaction between the living world and the physical environment.

#### ENVI 120

##### ENERGY, TECHNOLOGY, AND THE ENVIRONMENT

3 units

Prerequisites: PHYS 23.21, PHYS 23.22, CHEM 21.11, CHEM 21.12, ENVI 110.01, ENVI 110.02

This course begins with the principles and phenomena of the First and Second Laws of Thermodynamics. It then applies these laws to the questions of energy generation, utilization, and their impacts. The relationships between energy and energy-dependent technologies are also covered.

#### ENVI 131

##### COMPUTER MODELING AND SIMULATION IN ENVIRONMENTAL SCIENCE

3 units

Prerequisites: ENVI 10.01, ENVI 10.02, MATH 30.24 (prerequisites may be waived subject to faculty approval)

The courses in this series are hands-on courses that are designed to introduce students to the use of computer-based models, both as predictive aid to planning, assessment and management and as a tool for scientific inquiry. The series addresses the value and purpose of environmental modeling and the types and uses of environmental models. It allows students to gain firsthand experience of the modeling process and model development. Furthermore, the course stresses critical thinking in evaluating the accuracy and reliability of models and in interpreting model results for informing evidence-based policy.

#### ENVI 131.03

##### INTRODUCTION TO COMPUTER MODELING AND SIMULATION

3 units



Prerequisites: ENVI 10.01, ENVI 10.02, MATH 30.24 (prerequisites may be waived subject to faculty approval)

This course is a hands-on course that is designed to introduce students to the use of natural-system, human-system, and integrated models, both as a predictive aid to planning, assessment and management and as a tool for scientific inquiry. It addresses the value and purpose of environmental modeling and the types and uses of environmental models. It allows students to gain firsthand experience of the modeling process and model development using systems thinking approaches. Furthermore, the course stresses critical thinking in evaluating the accuracy and reliability of models and in interpreting model results for informing evidence-based policy.

#### ENVI 131.04

##### INTRODUCTION TO ENVIRONMENTAL MODELING AND REGULATION

3 units

Prerequisites: ENVI 10.01, ENVI 10.02, MATH 30.24 (prerequisites may be waived subject to faculty approval)

This course introduces the students to the principles underlying the development, construction, interpretation, validation, and analysis of models used to assess environmental impacts. Students are exposed to commonly used models to evaluate the fate and transport of pollutants in the water, air, soil, and biota compartments, and exposure of potential receptors. In particular, the course highlights models used by regulatory agencies and industry. Regulatory applications in ensuring that activities and events comply with local and national environmental standards are also discussed and studied.

#### ENVI 131.05

##### INTRODUCTION TO SYSTEM DYNAMICS IN ENVIRONMENTAL SCIENCE

3 units

Prerequisites: ENVI 10.01, ENVI 10.02, MATH 30.24 (prerequisites may be waived subject to faculty approval)

This course is a hands-on introductory modeling on systems thinking and system dynamics as tools for scientific inquiry, assessment and management of environmental and sustainability issues. Most pressing issues today are a product of complex coupled systems. Interactions between socio-natural systems are described through causal loop diagrams, which are then translated into quantitative structures of stocks, flows and feedbacks, and simulated to understand trends in key variables. The course stresses critical thinking in evaluating how behaviors and trends arise from system structures and model design, and what this means for informing policy. Basic systems ecology is also introduced.

#### ENVI 131.06

##### INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (GIS) FOR ENVIRONMENTAL SCIENCE

3 units

Prerequisites: ENVI 10.01, ENVI 10.02 (prerequisites may be waived subject to faculty approval)

This course provides an overview of the concepts, theories, and methodologies necessary for understanding and applying geographic information systems (GIS) to environmental concerns. It also gives an introduction on the use of GIS software such as ArcGIS, QGIS or Integrated Land and Water Management System (ILWIS).

#### ENVI 131.07

##### INTRODUCTION TO INDIVIDUAL-BASED MODELING IN ENVIRONMENTAL SCIENCE

3 units

Prerequisites: ENVI 10.01, ENVI 10.02, ENVI 110.01, ENVI 110.02, MATH 30.24 (prerequisites may be waived subject to faculty approval)

This course introduces the students to environmental modeling using an individual-based modeling approach. The course integrates the various ecological and bio-physical concepts and processes needed in developing an ecological model. Organisms at individual level (i.e. microorganisms, plants/trees, animals) including its interaction with the physical environment are modeled. The model is used in describing the

state of the environment and in predicting individual- and ecosystem-responses with various disturbance scenarios. The implications of environmental management approaches/interventions are also modeled.

#### ENVI 140

##### THE ATMOSPHERE AND THE HYDROSPHERE

3 units

Prerequisites: PHYS 23.21, PHYS 23.22, CHEM 21.11, CHEM 21.12

Two of the most important and most easily polluted resources are air and water. This series of courses discuss the physico-chemical properties of air and water as well as the various pollution problems associated with these.

#### ENVI 140.03

##### AIR AND WATER

3 units

Prerequisites: PHYS 23.21, PHYS 23.22, CHEM 21.11, CHEM 21.12

Two of the most important and most easily polluted resources are air and water. This course discusses the physico-chemical properties of air and water as well as the various pollution problems associated with these. The course also includes air and water quality monitoring, air and water pollution abatement and treatment.

#### ENVI 140.04

##### FUNDAMENTALS OF AIR AND ATMOSPHERE

3 units

Prerequisites: PHYS 23.21, PHYS 23.22, CHEM 21.11, CHEM 21.12

This is a lecture-demonstration course on the essential aspects of atmospheric phenomena and their monitoring. Its modularized approach to such fundamental concepts as the weather, radiation budgets, wind and ocean currents, biological inputs and photochemical reactions aims for a technically simplified understanding of these concepts as the natural context of current local and global environmental issues. The course also gives some background on present technologies designed for sensing, modeling and forecasting air quality as well as various atmospheric events.

#### ENVI 140.05

##### FUNDAMENTALS OF WATER AND WATER POLLUTION

3 units

Prerequisites: PHYS 23.21, PHYS 23.22, CHEM 21.11, CHEM 21.12

Water is one of the most vital of all resources both for humans and for natural ecosystems, and yet it is the one we take most for granted. This course discusses the fundamental physico-chemical properties of water and gives a broad overview of the different types of naturally occurring source of water. It also covers the various pollution problems including the nature and types of water pollutants, their origin, transport, reactions, effects, and fates of chemical species in the water. The course also discusses the monitoring of water quality and methods of preserving, clean water resources.

#### ENVI 142

##### ENVIRONMENTAL CHEMISTRY

3 units

Prerequisites: CHEM 22.11, CHEM 22.12

This is a 3-unit lecture course that starts with a review of the physical and chemical principles necessary for understanding the behavior of chemical systems in the environment. This is then followed by a survey of the environmental chemistry of the elements and the various natural processes which occur on land, water, and the atmosphere. Finally, this course discusses some crucial issues that confront society involving environmental chemistry, such as global warming, the chlorine problem, acid rain, and water quality.

#### ENVI 145

##### INTRODUCTION TO GEOCHEMISTRY

3 units

Prerequisites: CHEM 21.11, CHEM 21.12

The course introduces the fundamentals of chemistry applied to different geological processes. Included are topics on the origin, distribution and geochemical behavior of elements, the chemical evolution of the earth, geochemistry of natural waters and trace element geochemistry. The course puts emphasis on the study of elements, their classification and distribution in different rocks and their cosmic abundances. Chemical weathering and alteration, colloids and solutions, Eh-pH in natural environments are also presented. The geochemistry of the hydrosphere, atmosphere and biosphere are given emphasis.

ENVI 150

INTRODUCTION TO GEOPHYSICS

3 units

Prerequisites: PHYS 23.21, PHYS 23.22

The course covers the following aspects a) description of the physical attributes of the planet earth providing an overview of the earth's crustal and internal structure, shape and rotation, its elastic, magnetic, gravitational, thermal and electrical properties and b) application of physics to geology with discussions of theories and applications of physics on the study of the earth and rocks, including seismology, potential fields (gravity, magnetic and electrical properties) and heat flow.

ENVI 155.01

INTRODUCTION TO EARTH SCIENCES, LECTURE

3 units

Prerequisites: CHEM 21.11, CHEM 21.12

Co-requisite: ENVI 155.02 if taken as a BS ES major course

This course covers the fundamentals of Geology (Earth Science) and their importance to Environmental Science. This course includes the following topics: the earth's relationship to the cosmos, the earth as the habitable planet, the concepts of geologic time, earth's building materials, earth's internal and surface processes, geohazards and the formation and utilization of geologic resources such as soil, water, energy resources (geothermal, coal and petroleum) and metallic/non-metallic mineral deposits. This course also provides background information regarding hydrogeology, engineering geology, geochemistry and geophysics. Special emphasis is given on Philippine geology.

ENVI 155.02

INTRODUCTION TO EARTH SCIENCES, LABORATORY

2 units

Prerequisites: CHEM 21.11, CHEM 21.12

Co-requisite: ENVI 155.01 if taken as a BS ES major course

This laboratory course is taken concurrently with ENVI 155.01. The course includes laboratory experimentations with special emphasis on Philippine geology, as well as field sampling and observation trips to geologically important sites.

ENVI 160.01

INTRODUCTION TO ENVIRONMENTAL POLLUTION, LECTURE

3 units

Prerequisites: CHEM 22.11, CHEM 22.12

Co-requisite: ENVI 160.02 if taken as a BS ES major course

Pollution is the most serious of all environmental problems and poses a major threat to the health and well-being of both people and the global ecosystem. This course discusses the general aspects of environmental pollution. It covers the nature of the various types of pollution and provides an understanding of their sources. The course also tackles the effects of pollutants on the environment, in particular their reactions in soil, air and water. Pollution control procedures and current international and Philippine regulatory laws are also discussed.

ENVI 160.02

INTRODUCTION TO ENVIRONMENTAL POLLUTION, LABORATORY

2 units

Prerequisites: CHEM 22.11, CHEM 22.12

Co-requisite: ENVI 160.01 if taken as a BS ES major course

This is the laboratory companion course to ENVI 160.01 that includes laboratory experiments, case studies of air, water, and soil pollutants, and field visits to applicable sites.

ENVI 160.03

INTRODUCTION TO ENVIRONMENTAL POLLUTION: ORGANIC POLLUTANTS

3 units

Prerequisites: CHEM 22.11, CHEM 22.12

The course introduces the subject of environmental pollution. It discusses the sources, chemical properties, and transport of organic pollutants in the environment as well as their reactions in soils, air and water. It also provides information on the associated toxicological effects and assessment of risks in toxicity. Various methods of monitoring and analysis are also covered.

ENVI 165

ENVIRONMENTAL HEALTH AND SAFETY

3 units

Prerequisites: CHEM 22.11, CHEM 22.12

The course is interdisciplinary and draws from the social, natural and health sciences as a way to introduce students to the principles and methods of environmental health and safety. This course integrates the basic principles of ecology, toxicology, and epidemiology in understanding the impact of aquatic, atmospheric, and terrestrial pollution on human health and safety. Topics include the causes of pollution, mechanisms of toxicity, biological responses, and the establishment of environmental standards. The course also offers an introduction to risk assessment and risk management – tools that are essential in ensuring environmental health and safety.

ENVI 174

WASTE MANAGEMENT

3 units

Prerequisite: ENVI 10.01

This course provides an overview of the principles of waste management. It covers the various types of wastes and the strategies employed to manage them, including reduction, reuse and recycling, treatment and disposal. It also considers various options for waste management in the Philippines from the context of industry and government.

ENVI 176

ENVIRONMENTAL IMPACT ASSESSMENT

3 units

Prerequisite: ENVI 10.01

This course aims to equip students with the basic knowledge and skills in Environmental Impact Assessment (EIA). The scope of the course includes the theoretical framework, methodology, and applications for EIA in the Philippines. It includes discussions on the rationale of the EIA process, the potential impacts of development projects on the biophysical and socio-cultural environments, and impact assessment methods. This is an integrative course offered to students who have adequate perspectives in both the natural and social sciences.

ENVI 177

APPROACHES IN ENVIRONMENTAL MANAGEMENT

3 units

Prerequisite: ENVI 10.01

The courses under this series of electives cover the basic concepts, principles and tools in environmental planning and management. The courses begin with a review of basic ecological principles and development models that serve as the rationale and foundation for environmental management. The subsequent parts of

the courses deal with environmental management across different sectors, e.g. private sector, governance sector, and community-based management.

#### ENVI 180

##### SPECIAL TOPICS IN ENVIRONMENTAL SCIENCE

3 units

Pre-requisites: ENVI 10.01, ENVI 10.02, BIO 120.01, BIO 120.02, CHEM 34.41, CHEM 34.42, ENVI 110.01, ENVI 110.02, ENVI 155.01, ENVI 155.02, ENVI 160.01, ENVI 160.02, MATH 60.1

This is a 3-unit lecture/seminar course for senior Environmental Science students. This course covers advanced topics in Environmental Science that are related to the student's potential area of research for their thesis. In this course, students are expected to conduct a review of the state-of-the-art knowledge in their chosen area of interest and to report their findings as a seminar presentation.

#### ENVI 199.1

##### SENIOR THESIS I

3 units

Pre-requisites: ENVI 100.01, ENVI 100.02, ENVI 100.03, ENVI 180

The Senior Thesis I is a 3-unit course taken by Environmental Science students in the first semester of their senior year. This course trains students to use the knowledge and skills gained from their previous major courses in tackling an environmental issue of their choice, under the supervision of a faculty adviser. It also covers the fundamentals of thesis proposal writing, including research design, literature surveys, and technical writing. This course culminates in the thesis proposal defense.

#### ENVI 199.2

##### SENIOR THESIS II

3 units

Prerequisite: ENVI 199.1

The Senior Thesis II is a 3-unit course taken by Environmental Science students in the second semester of their senior year. This course covers the fundamentals of research design, analytical methods in environmental science, and technical writing. This course trains students to engage in scientific research through the conduct of their thesis and to effectively communicate their findings in their final defense presentation.

# HEALTH SCIENCES

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The Health Sciences Program seeks to develop doctors and health professionals, who possess a broad view and deep understanding of health issues pertinent to the Philippine health care system and global health sector. It aims to form students into professionals with a holistic understanding of health, from its foundations in the sciences to its relevance in development and to its effectiveness in management.

The Health Sciences Program prepares undergraduate students as health professionals-of-the-future, who can respond to the challenge of being outstanding health care professionals, dynamic leaders, and decisive social catalysts. The program trains would-be professionals to engage in health in various ways and capacities through multi-disciplinary and systemic approaches to health care management, health and environmental policy, health products and services development, health informatics, health education, health promotion and communication, and other challenges in public health care.

## BACHELOR OF SCIENCE IN HEALTH SCIENCES

BS Health Sciences is a four-year program that prepares undergraduate students to become health professionals who possess a broad view and deep understanding of health issues pertinent to the Philippine health system and the global health sector. By offering meaningful opportunities for students to learn and serve through transdisciplinary and systemic approaches, it seeks to form competent, conscientious, and compassionate practitioners who are generously committed to contribute to nation-building and sustainable development as outstanding professionals, dynamic leaders, and decisive social catalysts.

<b>FIRST YEAR</b>				
<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENGL 11	Purposive Communication	3 ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3 FILI 11	Malayuning Komunikasyon	3
CHEM 21.11	General Chemistry I, Lecture	3 CHEM 43.11	Survey of Organic Chemistry, Lecture	3
CHEM 21.12	General Chemistry I, Laboratory	2 CHEM 43.12	Survey of Organic Chemistry, Laboratory	2
MATH 10	Mathematics in the Modern World	3 MATH 30.23	Applied Calculus for Science and Engineering I	3
SocSc 11	Understanding the Self	3 THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to the Ateneo Culture and Traditions 11	(0) INTACT 12	Introduction to the Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2) PHYED 2	Physical Education 2	(2)
	TOTAL	17(2)	TOTAL	17(2)

<b>SECOND YEAR</b>		
<u>Intersession</u>	<u>Units</u>	
HISTO 11	Rizal and the Emergence of the Philippine Nation	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
HSCI 20	Introduction to Community Health	2 BIO 140.01	Cell and Molecular Biology, Lecture	3
BIO 100.01	General Zoology, Lecture	3 BIO 140.02	Cell and Molecular Biology, Laboratory	2
BIO 100.02	General Zoology, Laboratory	2 ENVI 10.01	Introduction to Environmental Science, Lecture	3
CHEM 53.10	Survey of Biochemistry	3 DEV 189.8	Special Topics in Contemporary Development Issues: The Political Economy of Health and Development	3
HISTO 12	Readings in Philippine History	3 STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3 ArtAp 10	Art Appreciation	3
SocSc 12	The Contemporary World	3 THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2) NSTP 11	National Service Training Program 11	(3)
	TOTAL	19(2) PHYED 4	Physical Education 4	(2)
			TOTAL	20(5)

<b>THIRD YEAR</b>		
<u>Intersession</u>	<u>Units</u>	
HSCI 50	Statistics for the Health Sciences	3
HSCI 192	Research Methods in the Health Sciences	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
HSCI 51	Introduction to Epidemiology	3	HSCI 60	Fundamentals of Global Health	3
PHYS 20.01	Elementary Physics I, Lecture	2	HSCI 199.1	Scholarly Work 1A: Defining the Problem	2
PHYS 20.02	Elementary Physics I, Laboratory	1	MSYS 116	Applications in Medicine and Public Health	3
LAS 21.20	Principles of Management for the Service Sector	3	PHYS 21.01	Elementary Physics II, Lecture	2
ANTH 168/ SOCIO 168	Anthropology /Sociology of Health	3	PHYS 21.02	Elementary Physics II, Laboratory	1
PHILO 12	Philosophy of Religion	3	ACCT 130	Resource Management	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)		TOTAL	20(0)

#### FOURTH YEAR

<u>Interession</u>	<u>Units</u>	
HSCI 100.1	The Health Professional as Administrator	1
HSCI 199.2	Scholarly Work 1B: Collaboration and Data Collection	2
HSCI ELECTIVE (3 UNITS)	Health Science Elective (3 units)	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
HSCI 70	Health Policy and Systems Research	3	HSCI 100.3	The Health Professional as a Changed Agent	1
HSCI 100.2	The Health Professional as Agent of Change	1	HSCI 199.4	Scholarly Work 2B: Writing, Presentation, Evaluation, and Publication	2
HSCI 199.3	Scholarly Work 2A: Data Analysis and Synthesis	2	HSCI ELECTIVE (2 UNITS)	Health Science Elective (2 units)	2
HSCI ELECTIVE (2 UNITS)	Health Science Elective (2 units)	2	HSCI ELECTIVE (3 UNITS)	Health Science Elective (3 units)	3
PHILO 13	Ethics	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3	FREE ELECTIVE	Free Elective	3
	TOTAL	17(0)		TOTAL	17(0)

Total Number of Academic Units: 163(14)

Curriculum Effective Freshman Batch SY 2020 – 2021



## COURSE OFFERINGS

### HSCI 20

#### INTRODUCTION TO COMMUNITY HEALTH

2 units

This course provides the necessary technical underpinnings to understanding public health at the community level. The class is divided into three modules: health systems, social determinants of health, and community profiling. These modules serve as introductions to concepts that are elaborated and deepened in later course subjects under Health Sciences.

### HSCI 30

#### FUNDAMENTALS OF NUTRITION

3 units

This is a basic course in nutrition science that covers the biochemistry and physiologic values of food. Topics include the relationship between food and the well-being of the populations as well as public health concerns in food production, processing, and handling. Special topics, such as food diseases and disorders as well as specific nutritional requirements from selected population subgroups, are also discussed.

### HSCI 30.1

#### NUTRITION FOR SPORTS AND EXERCISE

3 units

This is a basic course in nutrition science that covers the biochemistry and the physiologic values of food as well as basic biometrics. Particularly, the course explores the relationship between nutrients and water and performance of physical activities. Topics include energy systems, hydration, pre- and post-event nutrition, and public health issues, such as weight management and ergogenic aids for sports training.

### HSCI 40

#### HUMAN LIFE CYCLE

3 units

This course discusses biological and social development through the human lifespan. It presents the various periods of human growth and development and the influential theories, which attempt to explain the human person. It aims to describe human behavior and adaptation along with public health issues and concerns in the Filipino and global context. It does not only provide perspectives on the cycle of human life but it also introduces concepts and applications on human health and development.

### HSCI 50

#### STATISTICS FOR THE HEALTH SCIENCES

3 units

This course introduces students to statistical methods required to understand and implement research in health sciences and public health. It begins with the basics of statistical theory, then theory and application of common statistical tests (for univariate, bivariate and multivariate analyses), and finally ends with a critical analysis of how statistical analyses are used and interpreted in scholarly work. The class sessions are divided into lecture and laboratory sessions, where the laboratory sessions are on the use of the open source statistical package R, with the R Commander (“Rcmdr”) package serving as the graphical user interface.

### HSCI 51

#### INTRODUCTION TO EPIDEMIOLOGY

3 units

This course is an introduction to the principles and practice of epidemiology for the undergraduate students. Students learn how disease is measured, what strategies are used to study the causes of disease, and how to ensure that research studies produce valid conclusions. All throughout, heavier emphasis is placed on a public health orientation rather than on clinical medicine. In addition, an eco-epidemiologic approach is taken, in which not only individual, but also social and molecular causal pathways are examined. The course allows students to ‘practice’ epidemiology through classroom- and campus-based activities.

### HSCI 60

#### FUNDAMENTALS OF GLOBAL HEALTH

3 units

Similar to other countries, the Philippines suffers from a double epidemiologic burden: even as serious infectious diseases continue to affect the population, chronic diseases have become the leading causes of morbidity and mortality. Many social factors confound attempts to bring these diseases under control – poverty and inequity, environmental degradation, socio-cultural biases, and political challenges. As such, this course aims to provide a solid foundation on the principles and perspectives necessary to understanding the complexity of global health. Central to discussion are the Sustainable Development Goals, particularly the achievement of universal health coverage.

### HSCI 61

#### DESIGN THINKING IN PUBLIC HEALTH

3 units

The Philippines suffers from a double epidemiologic burden: communicable diseases continue to affect the population, while chronic diseases have also become the leading causes of morbidity and mortality. Because of the different social factors that affect health outcomes, the common and usual responses to the health problems are both ineffective and inefficient. Through design thinking, this course aims to equip students with the perspectives and tools required to develop simple solutions to health challenges commonly encountered when working as a health professional in the Philippines.

### HSCI 70

#### HEALTH POLICY AND SYSTEMS RESEARCH

3 units

Prerequisites: ANTH/SOCIO 115.1

This course builds on previous knowledge that health is determined by a complex interplay of individual, intermediate, and structural factors. The health system is embedded in a political and economic context that affects accessibility, affordability, and quality of healthcare for many Filipinos. Policies set the mechanism and the environment to which strategies are formulated, resources are distributed, and programs and efforts are implemented, monitored, and evaluated. This course can aid health professionals in decision-making that contributes to better outcomes for individuals, the health sector, and the nation.

### HSCI 80.1

#### INTRODUCTION TO HUMAN PHYSIOLOGY: REGULATION AND CONTROL

2 units

Prerequisites: BIO 140.01, BIO 140.02; CHEM 53.10

The course presents a survey of the various organ system functions of the human body and their interactions in clinical conditions. Through interactive activities, discussions, projects, and/or presentations, students should be able to analyze clinical data on physiologic mechanisms and their applications. The course not only offers opportunities to evaluate, critique, and synthesize research and professional literature but it also provides scenarios to apply such information to novel situations, including public health issues and clinical challenges. The sections on Regulation and Control cover major regulatory and control functions of the human body, primarily of the nervous system and the endocrine system.

### HSCI 80.2

#### INTRODUCTION TO HUMAN PHYSIOLOGY: METABOLISM, RESPIRATION, AND CIRCULATION

2 units

Prerequisites: BIO 140.01, BIO 140.02, CHEM 53.10

The course presents a survey of the various organ system functions of the human body and their interactions in clinical conditions. Through interactive activities, discussions, projects, and/or presentations, students should be able to analyze clinical data on physiologic mechanisms and their applications. The course not only offers opportunities to evaluate, critique, and synthesize research and professional literature but it also provides scenarios to apply such information to novel situations, including public health issues and clinical

challenges. The sections on Metabolism, Respiration, and Circulation cover the gastrointestinal, renal, respiratory, and circulatory functions of the human body.

HSCI 80.7

EXERCISE PHYSIOLOGY

3 units

This course focuses on the scientific basis of exercise by discussing the functioning and adaptation of the human body during exercise. It not only considers the metabolic needs of the body while exercising but it also looks into the cardiac, respiratory, and neuromuscular responses to exercise. It likewise covers the effect of body composition and different environmental conditions on exercise performance. Special topics include physical fitness of athletes, pregnant and lactating women, and aging population, among others.

HSCI 100.1

THE HEALTH PROFESSIONAL AS ADMINISTRATOR

1 unit

The Health Professional as Administrator includes a series of management training exercises that prepare the students for their leadership role in the health sector and in the larger society. Founded on Ignatian principles and guided by Lowney's framework on heroic leadership, this course allows students to reflect on their management skills and leadership competencies in different solutions.

HSCI 100.2

THE HEALTH PROFESSIONAL AS AGENT OF CHANGE

1 unit

This course serves as starting points for integrative reflections of the role of the health professional as an agent of change in the community. Through service learning, students not only get to appreciate the multi-disciplinary and interdisciplinary approaches to addressing health issues but they are also able to integrate skills and knowledge gained over the past years in Health Sciences.

HSCI 100.3

THE HEALTH PROFESSIONAL AS CHANGED AGENT

1 unit

Through a series of workshops and seminars, this course serves as self-awareness exercises and opportunities for critical reflections for the students. Founded on Ignatian Spirituality and guided by Lowney's framework on heroic leadership, students go through self and group evaluation processes to help them assess their growth and development in preparation for their desired role in the health sector and in the larger society.

HSCI 111

FOUNDATIONS OF HEALTH EDUCATION

2 units

Prerequisite: HSCI 20

Foundations of Health Education covers the philosophical, ethical and theoretical underpinnings of health education. It includes principles of teaching and learning as well as models and theories of health behavior.

HSCI 112

APPROACHES AND METHODS IN HEALTH PROMOTION

2 units

Prerequisite: HSCI 111

This course not only familiarizes students to a range of approaches and methods for promoting health at the individual, community, and population levels but it also provides hands-on opportunities for students to plan and evaluate health promotion strategies that address pressing health issues in the Philippines.

HSCI 112.1

FOUNDATIONS OF HEALTH PROMOTION

3 units

This course provides an introduction to health promotion concepts and its application in public health. Course content is divided into three parts: health promotion theory, approaches and methods, and intervention design. Each class starts with a lecture and concludes with a seminar or a practical application. By the end of the semester, students are given opportunities to apply their learnings in health promotion to develop an intervention in public health.

HSCI 113

HEALTH COMMUNICATION

3 units

Prerequisite: HSCI 112.1

This course builds on the class of Foundations of Health Promotion. Students are introduced to communication frameworks and strategies that allow them to develop materials, which can address health behaviors in the Philippines. This course gives opportunities for students to understand the powerful influence of communication in the promotion of health and delivery of health care. Each class starts with a lecture and ends either with a seminar or practical application.

HSCI 190

HEALTH SEMINAR

2 units

Health Seminar introduces students to topics, perspectives, and approaches to medicine and public health by giving them opportunities to engage in critical analysis and dialogue on relevant and timely issues in health and wellness. It not only exposes students to varied updates and discussions related to the multiple disciplines in the health sciences, but it also encourages students to become leaders, who are involved with current developments in the field of medicine and public health

HSCI 192

RESEARCH METHODS IN HEALTH SCIENCES

3 units

Research Methods in Health Sciences provides practical application of theoretical concepts involved in carrying out research in the field of health. This course is usually taken before students start to define research problems related to health. It is typically delivered through research didactics, workshops, exercises and/or fieldwork to promote experiential learning in conducting rational inquiry into events, phenomena, and/or interventions in the health sector. It is deliberate and structured in its approach for students to understand the importance of evidence-based medicine and public health in reforming the health sector and in building the nation.

HSCI 199.1

SCHOLARLY WORK 1A: DEFINING THE PROBLEM

2 units

Prerequisites: HSCI 50, HSCI 192

Defining the Problem is the first of the four-course series for the Scholarly Work program of Health Sciences students. It is particularly focused on defining a research problem in health for investigation not only to further understand the local and global health sector but to also evaluate and propose interventions for better health for all.

HSCI 199.2

SCHOLARLY WORK 1B: COLLABORATION AND DATA COLLECTION

2 units

Prerequisites: HSCI 199.1

Collaboration and Data Collection is the second of the four-course series for the Scholarly Work program of Health Sciences students. It is intended to provide experiential opportunities for students to carry out their approved research studies in health.

HSCI 199.3

SCHOLARLY WORK 2A: DATA ANALYSIS AND SYNTHESIS

2 units

Prerequisite: HSCI 199.2

Data Analysis and Synthesis is the third of the four-course series for the Scholarly Work program of Health Sciences students. It is particularly focused on presenting the results of collected health-related data from the field, making sense out of the gathered research data, and synthesizing the obtained results with evidence from related literature.

HSCI 199.4

SCHOLARLY WORK 2B: WRITING, PRESENTATION, EVALUATION, AND PUBLICATION

2 units

Prerequisite: HSCI 199.3

Writing, Presentation, Evaluation, and Publication is the last of the four-course series for the Scholarly Work program of Health Sciences students. As a culminating course, it is particularly geared towards posing answers to identified research problems in health not only to further understand the local and global health sector but to also evaluate and recommend evidence-based interventions for better health for all.

# INFORMATION SYSTEMS AND COMPUTER SCIENCE

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The Department of Information Systems and Computer Science seeks to be the Computer Science and Information Systems education institution of choice in Asia, serving as a cradle for innovative technology research and development. It seeks to transform students grounded in theory and practice into world-class professionals and researchers capable of producing information technologies that meet society's needs.

## BACHELOR OF SCIENCE IN COMPUTER SCIENCE

The BS in Computer Science (BS CS) program provides a rigorous foundation in both the theoretical and practical aspects of computing. Core computer science courses provide the students with an intensive background in writing complex software systems and in the design and interconnection of computers. Electives are available from various areas in computer science – including multimedia, MIS and software engineering, networks and wireless systems, web-based systems, computer engineering, and computational science. These are designed so that students can take interrelated courses to specialize in a particular area.

Throughout the four years of study, the students are constantly expected to innovate and to contribute to advancement in technology and its applications. Thus, graduates of the program can expect to be well prepared for graduate studies abroad or to become the systems designers and network administrators of software development firms and MIS/ICT departments of corporations.

### *Program Learning Outcomes*

An Ideal BS Computer Science graduate is:

1. Able to create, develop, and design effective technology and business solutions using programming languages and efficient algorithms.
2. Able to adapt to changing global challenges and make executive decisions as effective leaders and cooperative team members.
3. Critically aware of the important societal needs and is able to apply systems thinking in developing business and technological solutions to effectively address these needs.
4. Able to uphold moral integrity and is aware of the ethical implications of their solutions and professional work.

#### FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSCI 20	Introduction to Computing	3	CSCI 22	Introduction to Programming II	3
CSCI 21	Introduction to Programming I	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	SocSc 11	Understanding the Self	3
MATH 21	University Pre-calculus	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		21(2)

#### SECOND YEAR

<u>Intersession</u>		<u>Units</u>
MATH 60.2	Introduction to Statistical Analysis	3
MATH NSCI TECH ELECTIVE	Math, NatSci, and Technology Elective	3
SocSc 12	The Contemporary World	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 30	Data Structures and Algorithms	3	CSCI 40	Software Tools and Development Frameworks	3
MATH 30.24	Applied Calculus for Science and Engineering II	3	MATH 51.4	Math for Computer Science II	3
MATH 51.3	Math for Computer Science I	3	PHYS 160	Electronics	5
PHYS 23.11	University Physics for Computer Science I, Lecture	3	HISTO 12	Readings in Philippine History	3
PHYS 23.12	University Physics for Computer Science I, Laboratory	2	THEO 12	Theology of the Catholic Social Vision	3
ArtAp 10	Art Appreciation	3	FLC 11	Foreign Language and Culture 11	3
PHILO 11	Philosophy: The Human Condition	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)		TOTAL	20(5)

### THIRD YEAR

<u>Interession</u>		<u>Units</u>
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 41	Information Management	3	CSCI 42	Introduction to Software Engineering	3
CSCI 50.01	Computer Organization, Lecture	3	CSCI 51.01	Operating Systems, Lecture	3
CSCI 50.02	Computer Organization, Laboratory	3	CSCI 51.02	Operating Systems, Laboratory	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI MAJOR ELECTIVE	CSCI Major Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	CSCI 199.1	Thesis Writing I	1
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	19(0)	PHILO 13	Ethics	3
			NSTP 12	National Service Training Program 12	(3)
				TOTAL	20(3)

### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
CSCI 197	Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 60	Computer Networks and Data Communications	3	CSCI 61	Information Assurance and Security	3
CSCI 70	Structure and Interpretation of Programming Languages	3	CSCI 71	Theory of Computation	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI 199.3	Thesis Writing III	3
CSCI 199.2	Thesis Writing II	3	ISCS 30.XX	Guided Studies in DISCS	1
ISCS 30.XX	Guided Studies in DISCS	1	STS 10	Science, Technology, and Society	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3



IE 3	Interdisciplinary Elective 3	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	19(0)		TOTAL	19(0)

Total Number of Academic Units: 174(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN COMPUTER SCIENCE – MASTER OF SCIENCE IN COMPUTER SCIENCE

The programs combine our existing undergraduate programs (BS Computer Science and BS Management Information Systems) with our graduate program (MS Computer Science). No revisions in either curriculum have been made and there are no credit overlaps between two degrees. The undergraduate degree will be awarded at the end of the student's fourth year, while the graduate degree will be awarded at the end of the fifth year. In essence, the undergraduate students under the BS-MS program will take graduate courses during their senior year, so that a student can realistically complete his/her master's degree after an additional one year and two summers. Some rearrangements have been made on the scheduling of courses during the fourth year to accommodate graduate courses, in particular.

### *Program Learning Outcomes*

An Ideal BS Computer Science – MS Computer Science graduate is:

1. Able to create, develop, and design effective technology and business solutions using programming languages and efficient algorithms.
2. Able to adapt to changing global challenges and make executive decisions as effective leaders and cooperative team members.
3. Critically aware of the important societal needs and is able to apply systems thinking in developing business and technological solutions to effectively address these needs.
4. Able to uphold moral integrity and is aware of the ethical implications of their solutions and professional work.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSCI 20	Introduction to Computing	3	CSCI 22	Introduction to Programming II	3
CSCI 21	Introduction to Programming I	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	SocSc 11	Understanding the Self	3
MATH 21	University Pre-calculus	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
				TOTAL	21(2)

**SECOND YEAR**

<u>Interession</u>		<u>Units</u>
MATH 60.2	Introduction to Statistical Analysis	3
MATH NSCI TECH ELECTIVE	Math, NatSci, and Technology Elective	3
SocSc 12	The Contemporary World	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSCI 30	Data Structures and Algorithms	3	CSCI 40	Software Tools and Development Frameworks	3
MATH 30.24	Applied Calculus for Science and Engineering II	3	MATH 51.4	Math for Computer Science II	3
MATH 51.3	Math for Computer Science I	3	PHYS 160	Electronics	5
PHYS 23.11	University Physics for Computer Science I, Lecture	3	HISTO 12	Readings in Philippine History	3
PHYS 23.12	University Physics for Computer Science I, Laboratory	2	THEO 12	Theology of the Catholic Social Vision	3
ArtAp 10	Art Appreciation	3	FLC 11	Foreign Language and Culture 11	3
PHILO 11	Philosophy: The Human Condition	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)	TOTAL		20(5)

**THIRD YEAR**

<u>Interession</u>		<u>Units</u>
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSCI 41	Information Management	3	CSCI 42	Introduction to Software Engineering	3
CSCI 50.01	Computer Organization, Lecture	3	CSCI 51.01	Operating Systems, Lecture	3
CSCI 50.02	Computer Organization, Laboratory	3	CSCI 51.02	Operating Systems, Laboratory	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI MAJOR ELECTIVE	CSCI Major Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	CSCI 199.1	Thesis Writing I	1
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocatio	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	19(0)	PHILO 13	Ethics	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		20(3)

**FOURTH YEAR**

<u>Interession</u>		<u>Units</u>
CSCI 197	Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSCI 60	Computer Networks and Data Communications	3	CSCI 61	Information Assurance and Security	3

CSCI 70	Structure and Interpretation of Programming Languages	3	CSCI 71	Theory of Computation	3
CSCI 199.2	Thesis Writing II	3	CSCI 199.3	Thesis Writing III	3
CSCI 2XX	Masters Level Subject	3	CSCI MAJOR ELECTIVE	CSCI Major Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	ISCS 30.XX	Guided Studies in DISCS	1
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	STS 10	Science, Technology, and Society	3
	TOTAL	19(0)	FREE ELECTIVE	Free Elective	3
			TOTAL		22(0)

**FIFTH YEAR**

<b><u>Interession</u></b>		<b><u>Units</u></b>
CSCI 2XX	Masters Level Subject	3
CSCI 2XX	Masters Level Subject	3
CSCI 292	General Methods of Research	3
	TOTAL	9(0)

<b><u>First Semester</u></b>	<b><u>Units</u></b>	<b><u>Second Semester</u></b>	<b><u>Units</u></b>		
CSCI 201	Advanced Data Structures and Algorithms	3	CSCI 203	Theory of Automata and Formal Languages	3
CSCI 202	Programming Languages and Paradigms	3	CSCI 204	Computer Architecture and Operating Systems	3
CSCI 2XX	Masters Level Subject	3	CSCI 299.1	Thesis Writing I	3
CSCI 2XX	Masters Level Subject	3	TOTAL		9(0)
	TOTAL	12(0)			

**SIXTH YEAR**

<b><u>Interession</u></b>		<b><u>Units</u></b>
CSCI 299.2	Thesis Writing II	3
	TOTAL	3(0)

Total Number of Academic Units: 210(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE –  
BACHELOR OF SCIENCE IN DIGITAL GAME DESIGN AND DEVELOPMENT**

The 5-Year BS in Computer Science and BS in Digital Game Design and Development program aims to produce highly skilled game design and development Ateneans who are capable of creating games for diverse purposes. Capitalizing on the Ateneo’s emphasis on interdisciplinarity and service to others, our graduates should be able to produce high quality games for entertainment as well as for education, physical or mental therapy, cultural preservation, advertising, and so on. Furthermore, we believe that the creation of such a course encourage interdisciplinary research and collaboration.

The first degree in computer science grounds students in programming, algorithms, databases, mathematics, and physics. Students are also required to take subjects on the theory

and aesthetics of game design. During the fifth year, the degree program incorporates a year-long integrative project in which the students must conceptualize and implement a game, up to the point where it is ready to be marketed. We encourage students to make use of their major electives to increase their game innovation skills, to explore game application areas.

*Program Learning Outcomes*

An Ideal BS Computer Science – BS Digital Games Design and Development graduate is:

1. A person embodied with the ability to bridge design and technology to produce effective, immersive and engaging games at par with global standards.
2. Exposed to the different disciplines in game design and development to be an effective & valuable team player as well as to discover & harness individual talents.
3. An agent of change by employing serious games for the betterment of the individual and society.
4. A person who incorporates moral and ethical principles in game design and development.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSCI 20	Introduction to Computing	3	CSCI 22	Introduction to Programming II	3
CSCI 21	Introduction to Programming I	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
MATH 21	University Pre-calculus	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	THEO 11	Faith, Spirituality, and the Church	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		21(2)

<b>SECOND YEAR</b>		
<u>Intersession</u>		<u>Units</u>
MATH 60.2	Introduction to Statistical Analysis	3
MATH NSCI TECH ELECTIVE	Math, NatSci, and Technology Elective	3
SocSc 12	The Contemporary World	3
	TOTAL	9(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 30	Data Structures and Algorithms	3	CSCI 40	Software Tools and Development Frameworks	3
MATH 30.24	Applied Calculus for Science and Engineering II	3	MATH 51.4	Math for Computer Science II	3
MATH 51.3	Math for Computer Science I	3	PHYS 160	Electronics	5
PHYS 23.11	University Physics for Computer Science I, Lecture	3	HISTO 12	Readings in Philippine History	3
PHYS 23.12	University Physics for Computer Science I, Laboratory	2	THEO 12	Theology of the Catholic Social Vision	3
ArtAp 10	Art Appreciation	3	FLC 11	Foreign Language and Culture 11	3

PHILO 11	Philosophy: The Human Condition	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)		TOTAL	20(5)

### THIRD YEAR

<u>Interession</u>		<u>Units</u>
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
CSCI 41	Information Management	3	CSCI 42	Introduction to Software Engineering	3
CSCI 50.01	Computer Organization, Lecture	3	CSCI 51.01	Operating Systems, Lecture	3
CSCI 50.02	Computer Organization, Laboratory	3	CSCI 51.02	Operating Systems, Laboratory	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI MAJOR ELECTIVE	CSCI Major Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	CSCI 199.1	Thesis Writing I	1
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	PHILO 13	Ethics	3
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
				TOTAL	20(3)

### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
CSCI 197	Practicum	3
	TOTAL	3(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
CSCI 60	Computer Networks and Data Communications	3	CSCI 61	Information Assurance and Security	3
CSCI 70	Structure and Interpretation of Programming Languages	3	CSCI 71	Theory of Computation	3
CSCI MAJOR ELECTIVE	CSCI Major Elective	3	CSCI 199.3	Thesis Writing III	3
CSCI 199.2	Thesis Writing II	3	ISCS 30.XX	Guided Studies in DISCS	1
ISCS 30.XX	Guided Studies in DISCS	1	STS 10	Science, Technology, and Society	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	19(0)		TOTAL	19(0)

### FIFTH YEAR

<u>Interession</u>		<u>Units</u>
GDEV 198.1	Integrative Project 1	3
FREE ELECTIVE	Free Elective	3
	TOTAL	6(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
GDEV 41	PC and Console Game Development I	3	GDEV 42	PC and Console Game Development II	3
GDEV 50	Game Studies	3	GDEV 198.3	Integrative Project 3	3

GDEV 198.2	Integrative Project 2	3	GDEV MAJOR ELECTIVE	GDEV Major Elective	3
GDEV MAJOR ELECTIVE	GDEV Major Elective	3	GDEV MAJOR ELECTIVE	GDEV Major Elective	3
IDES 103.03	Design Practice: Graphic Design Practice	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 210(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

The BS in Management Information Systems (BS MIS) program is designed to produce future Chief Information Officers (CIOs) – professionals who can harness information technology to meet business objectives. An interdisciplinary offering of the Department of Information Systems and Computer Science (DISCS) and the John Gokongwei School of Management, students in this program enroll in computer science courses, management engineering courses, and core MIS courses. They are provided with access to the latest in software, hardware, and network technologies. The program promotes MIS as a field and as a career, discusses the tools necessary for the profession, and provides in-depth analyses of the issues surrounding MIS operations.

BS MIS caters to students who are interested in the application of computers to business organizations and to students who wish to pursue a management course with extensive exposure to computing. Graduates from the program find immediate employment as system analysts, project managers, applications programmers, and information technology support personnel in local as well as in multinational corporations.

### *Program Learning Outcomes*

An Ideal BS Management Information Systems – MS Computer Science graduate is:

1. Able to systematically provide IT based business solutions for society and business organizations.
2. Able to lead global teams.
3. Able to apply critical and creative thinking in addressing societal needs with appropriate IT (solutions) answers.
4. Able to provide information technologies that take moral and ethical principles into consideration.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MSYS 20	Introduction to Management Information Systems	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
MATH 10	Mathematics in the Modern World	3	NatSc 10.01	Natural Science, Lecture	3
SocSc 11	Understanding the Self	3	NatSc 10.02	Natural Science, Laboratory	1
THEO 11	Faith, Spirituality, and the Church	3	ArtAp 10	Art Appreciation	3

INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

#### SECOND YEAR

<u>Interession</u>		<u>Units</u>
MATH 60.2	Introduction to Statistical Analysis	3
SocSc 12	The Contemporary World	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 21	Introduction to Programming I	3	MSYS 22	Introduction to Programming II	3
LAS 21	Principles of Management	3	ACCT 113	Fundamentals of Accounting	3
MGT ELECTIVE	Management Elective	3	OPMAN 131.04	Business Process Re-engineering	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	FLC 11	Foreign Language and Culture 11	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	18(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		18(5)

#### THIRD YEAR

<u>Interession</u>		<u>Units</u>
MSYS 40	Business Applications Development 1	3
MSYS MAJOR ELECTIVE	MSYS Major Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 30	Data Structures and Algorithms	3	MSYS 42	Business Applications Development 3	3
MSYS 41	Business Applications Development 2	3	MSYS 51	Information Technology Infrastructure	3
MSYS 50	Enterprise Architecture	3	MSYS 198.1/199.1	Capstone Project 1/Thesis 1	1
ISCS 30.XX	Guided Studies in DISCS	1	MSYS MAJOR ELECTIVE	MSYS Major Elective	3
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	MGT ELECTIVE	Management Elective	3
IE 2	Interdisciplinary Elective 2	3	PHILO 13	Ethics	3
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		20(3)

#### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
MSYS 197	Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 140	Data and Information Management	3	MSYS 142	Information Technology Governance	3
MSYS 141	Information Technology Project Management	3	MSYS 171	IT Security and Risk Management	3
MSYS 198.2/ 199.2	Capstone Project 2/Thesis 2	3	MSYS 198.3/ 199.3	Capstone Project 3/Thesis 3	3
MSYS MAJOR ELECTIVE	MSYS Major Elective	3	ISCS 30.XX	Guided Studies in DISCS	1
ISCS 30.XX	Guided Studies in DISCS	1	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	FREE ELECTIVE	Free Elective	3
IE 3	Interdisciplinary Elective 3	3	TOTAL		16(0)
	TOTAL	19(0)			

Total Number of Academic Units: 162(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS – MASTER OF SCIENCE IN COMPUTER SCIENCE

The programs combine our existing undergraduate programs (BS Computer Science and BS Management Information Systems) with our graduate program (MS Computer Science). No revisions in either curriculum have been made and there are no credit overlaps between two degrees. The undergraduate degree will be awarded at the end of the student's fourth year, while the graduate degree will be awarded at the end of the fifth year. In essence, the undergraduate students under the BS-MS program will take graduate courses during their senior year, so that a student can realistically complete his/her master's degree after an additional one year and two summers. Some rearrangements have been made on the scheduling of courses during the fourth year to accommodate graduate courses, in particular.

### *Program Learning Outcomes*

An Ideal BS Management Information Systems – MS Computer Science graduate is:

1. Able to systematically provide IT based business solutions for society and business organizations.
2. Able to lead global teams.
3. Able to apply critical and creative thinking in addressing societal needs with appropriate IT (solutions) answers.
4. Able to provide information technologies that take moral and ethical principles into consideration.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MSYS 20	Introduction to Management Information Systems	3	MATH 30.23	Applied Calculus for Science and Engineering I	3



MATH 10	Mathematics in the Modern World	3	NatSc 10.01	Natural Science, Lecture	3
SocSc 11	Understanding the Self	3	NatSc 10.02	Natural Science, Laboratory	1
THEO 11	Faith, Spirituality, and the Church	3	ArtAp 10	Art Appreciation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

#### SECOND YEAR

<b><u>Interession</u></b>		<b><u>Units</u></b>
MATH 60.2	Introduction to Statistical Analysis	3
SocSc 12	The Contemporary World	3
	TOTAL	6(0)

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
MSYS 21	Introduction to Programming I	3	MSYS 22	Introduction to Programming II	3
LAS 21	Principles of Management	3	ACCT 113	Fundamentals of Accounting	3
MGT ELECTIVE	Management Elective	3	OPMAN 131.04	Business Process Re-engineering	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 1	Interdisciplinary Elective 1 – English	3	FLC 11	Foreign Language and Culture 11	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	18(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		18(5)

#### THIRD YEAR

<b><u>Interession</u></b>		<b><u>Units</u></b>
MSYS 40	Business Applications Development 1	3
MSYS MAJOR ELECTIVE	MSYS Major Elective	3
	TOTAL	6(0)

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
MSYS 30	Data Structures and Algorithms	3	MSYS 42	Business Applications Development 3	3
MSYS 41	Business Applications Development 2	3	MSYS 51	Information Technology Infrastructure	3
MSYS 50	Enterprise Architecture	3	MSYS 198.1/199.1	Capstone Project 1/Thesis 1	1
ISCS 30.XX	Guided Studies in DISCS	1	MSYS MAJOR ELECTIVE	MSYS Major Elective	3
PHILO 12	Philosophy of Religion	3	ISCS 30.XX	Guided Studies in DISCS	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	MGT ELECTIVE	Management Elective	3
IE 2	Interdisciplinary Elective 2	3	PHILO 13	Ethics	3
	TOTAL	19(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		20(3)

**FOURTH YEAR**

<u>Interession</u>		<u>Units</u>			
MSYS 197	Practicum	3			
TOTAL		3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MSYS 140	Data and Information Management	3	MSYS 142	Information Technology Governance	3
MSYS 141	Information Technology Project Management	3	MSYS 171	IT Security and Risk Management	3
MSYS 198.2/ 199.2	Capstone Project 2/Thesis 2	3	MSYS 198.3/ 199.3	Capstone Project 3/Thesis 3	3
ISCS 30.XX	Guided Studies in DISCS	1	MSYS MAJOR ELECTIVE	MSYS Major Elective	3
CSCI 2XX	Masters Level Subject	3	ISCS 30.XX	Guided Studies in DISCS	1
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
TOTAL		19(0)	TOTAL		19(0)

**FIFTH YEAR**

<u>Interession</u>		<u>Units</u>			
CSCI 292	General Methods of Research	3			
CSCI 2XX	Masters Level Subject	3			
CSCI 2XX	Masters Level Subject	3			
TOTAL		9(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSCI 201	Advanced Data Structures and Algorithms	3	CSCI 203	Theory of Automata and Formal Languages	3
CSCI 202	Programming Languages and Paradigms	3	CSCI 204	Computer Architecture and Operating Systems	3
CSCI 2XX	Masters Level Subject	3	CSCI 299.1	Thesis Writing I	3
CSCI 2XX	Masters Level Subject	3	TOTAL		9(0)
TOTAL		12(0)			

**SIXTH YEAR**

<u>Interession</u>		<u>Units</u>
CSCI 299.2	Thesis Writing II	3
TOTAL		3(0)

Total Number of Academic Units: 198(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR/SPECIALIZATION IN DATA SCIENCE AND ANALYTICS

This minor/specialization program provides the principles and builds skills in the science of why and how we use data. Topics include, but are not limited to, the development and application of analytical models and methods to acquire important insights from data, complex systems and its behavior, optimal non-trivial decision making, and techniques in performing computation simulations in various areas of business and sciences where actual experiments are either impractical or impossible.

	<b>MINOR IN DATA SCIENCE AND ANALYTICS</b>	<b>SPECIALIZATION IN DATA SCIENCE AND ANALYTICS</b>
Eligibility Requirement	All undergraduate students of the Loyola Schools <b>except</b> BS CS and BS MIS students	BS CS and BS MIS students
Admission Requirements	An average of C in Math courses already taken by the student MATH 60.2 Introduction to Statistical Analysis (or equivalent Statistics Course)	CSCI 21 Introduction to Programming I
Minimum Grade Requirement	An average of C for courses leading to the Minor	None
Program Curriculum	<u>Required Courses (9 units)</u> CSCI 25 Introduction to Programming and Databases CSCI 112 Contemporary Databases CSCI 113 Business Intelligence  <u>Data Science and Analytics Electives (6 units; choose two)</u> CSCI 111 Introduction to Artificial Intelligence CSCI 114 Pattern Recognition CSCI 115 Computer Simulation and Modelling CSCI 117 Data Visualization CSCI 161.03 Introduction to Social Computing CSCI 182.03 Special Topics in Data Science and Analytics: Bioinformatics MSYS 121 Applied Digital Law and Ethics	<u>Required Courses (6 units)</u> CSCI 112 Contemporary Databases CSCI 113 Business Intelligence  <u>Data Science and Analytics Electives (9 units; choose three)</u> CSCI 111 Introduction to Artificial Intelligence CSCI 114 Pattern Recognition CSCI 115 Computer Simulation and Modelling CSCI 117 Data Visualization CSCI 161.03 Introduction to Social Computing CSCI 182.03 Special Topics in Data Science and Analytics: Bioinformatics MSYS 121 Applied Digital Law and Ethics
Total Units	15 units	15 units

#### MINOR/SPECIALIZATION IN ENTERPRISE SYSTEMS

The minor/specialization program builds on the information systems development concepts and skills. It emphasizes the design, development, and maintenance of large-scale integrated systems used by large and globally-oriented enterprises.

	<b>MINOR IN ENTERPRISE SYSTEMS</b>	<b>SPECIALIZATION IN ENTERPRISE SYSTEMS</b>
Eligibility Requirement	All undergraduate students of the Loyola Schools <b>except</b> BS CS and BS MIS students	BS CS and BS MIS students
Admission Requirements	An average of C in Math courses already taken by the student	CSCI 21 Introduction to Programming I

Minimum Grade Requirement	An average of C for courses leading to the Minor	None
Program Curriculum	<p><u>Required Courses (12 units)</u></p> <p>CSCI 25 Introduction to Programming and Databases</p> <p>OPMAN 131.04 Business Process Re-engineering</p> <p>MSYS 112 Enterprise Systems Planning</p> <p>CSCI 180.05 Special Topics in Languages: Enterprise Systems Programming</p> <p><u>Enterprise Systems Elective (3 units; choose one)</u></p> <p>MSYS 114 Accounting Information Systems</p> <p>MSYS 115 Financial Information Systems</p> <p>MSYS 121 Applied Digital Law and Ethics</p> <p>MSYS 122 Applications in Medicine and Public Health Informatics</p> <p>MSYS 123 Introduction to Ehealth Systems</p> <p>MSYS 180 Special Topics in Enterprise Architecture</p> <p>MSYS 180.03 Special Topics in Enterprise Architecture: Cloud Computing</p> <p>MSYS 180.04 Special Topics in Enterprise Architecture: Web Services</p> <p>MSYS 181.03 Special Topics in Information Technology: Survey on Contemporary Technologies</p> <p>MSYS 181.04 Special Topics in Information Technology: IT Trends and Technologies in the Corporate World</p> <p>MSYS 181.05 Special Topics in Information Technology: Information and Communication Technologies for Development</p> <p>CSCI 181.03 Special Topics in Software Engineering: IOS Development</p> <p>CSCI 181.04 Special Topics in Software Engineering: Android Development</p>	<p><u>Required Courses (9 units)</u></p> <p>OPMAN 131.04 Business Process Re-engineering</p> <p>MSYS 112 Enterprise Systems Planning</p> <p>CSCI 180.05 Special Topics in Languages: Enterprise Systems Programming</p> <p><u>Enterprise Systems Electives (6 units; choose two)</u></p> <p>MSYS 114 Accounting Information Systems</p> <p>MSYS 115 Financial Information Systems</p> <p>MSYS 121 Applied Digital Law and Ethics</p> <p>MSYS 122 Applications in Medicine and Public Health Informatics</p> <p>MSYS 123 Introduction to Ehealth Systems</p> <p>MSYS 180 Special Topics in Enterprise Architecture</p> <p>MSYS 180.03 Special Topics in Enterprise Architecture: Cloud Computing</p> <p>MSYS 180.04 Special Topics in Enterprise Architecture: Web Services</p> <p>MSYS 181.03 Special Topics in Information Technology: Survey on Contemporary Technologies</p> <p>MSYS 181.04 Special Topics in Information Technology: IT Trends and Technologies in the Corporate World</p> <p>MSYS 181.05 Special Topics in Information Technology: Information and Communication Technologies for Development</p> <p>CSCI 181.03 Special Topics in Software Engineering: IOS Development</p> <p>CSCI 181.04 Special Topics in Software Engineering: Android Development</p> <p>CSCI 181.06 Special Topics in Software Engineering: Introduction to Software Testing</p>

	CSCI 181.06 Special Topics in Software Engineering: Introduction to Software Testing	CSCI 181.07 Special Topics in Software Engineering: Software Quality Management
	CSCI 181.07 Special Topics in Software Engineering: Software Quality Management	CSCI 184 Special Topics in Networks and Security
	CSCI 184 Special Topics in Networks and Security	CSCI 184.03 Special Topics in Networks and Security: Cryptography and Network Security
	CSCI 184.03 Special Topics in Networks and Security: Cryptography and Network Security	CSCI 184.05 Special Topics in Networks and Security: Network Security and Hacking Countermeasures
	CSCI 184.05 Special Topics in Networks and Security: Network Security and Hacking Countermeasures	
<b>Total Units</b>	15 units	15 units

#### MINOR/SPECIALIZATION IN INTERACTIVE MULTIMEDIA

This minor/specialization program focuses specifically on the development of games and simulations, while developing skills that are transferable to other highly interactive applications.

	<b>MINOR IN INTERACTIVE MULTIMEDIA</b>	<b>SPECIALIZATION IN INTERACTIVE MULTIMEDIA</b>
Eligibility Requirement	Open to all undergraduate students of the Loyola Schools <b>except</b> BS CS, BS MIS and BS CS- DGDD student	BS CS, BS MIS, and BS CS-DGDD students only
Admission Requirements	An average of C in Math courses already taken by the student	For BS CS/BS MS CS: CSCI 21 Introduction to Programming I  For BS MIS / BSMIS-MSCS: MSYS 21 Introduction to Programming I
Minimum Grade Requirement	An average of C for courses leading to the Minor	None
Program Curriculum	<u>Required Courses (15 units)</u> CSCI 21 Introduction to Programming I GDEV 20 Introduction to the Design and Development of Computer Games GDEV 21 Introduction to Games and Game Design I GDEV 41 PC and Console Game Development I GDEV 42 PC and Console Game Development II	<u>Required Courses (12 units)</u> GDEV 20 Introduction to the Design and Development of Computer Games GDEV 21 Introduction to Games and Game Design I GDEV 41 PC and Console Game Development I GDEV 42 PC and Console Game Development II

		<u>Interactive Multi-Media Elective</u> <u>(3 units; choose one)</u> CSCI 133 3D Animation and Modeling CSCI 134.1 Interactive Sound Art and Installation CSCI 140 Instructional Software Design and Development CSCI 142 Human Computer Interaction CSCI 143 Affective Computing CSCI 160.03 Designing for Mobile Devices CSCI 162 Mobile Learning CSCI 181.03 Special Topics in Software Engineering: iOS Development CSCI 181.04 Special Topics in Software Engineering: Android Development GDEV 50 Game Studies
Total Units	15 units	15 units

## COURSE OFFERINGS

### CSCI 20

#### INTRODUCTION TO COMPUTING

3 units

This course provides an overview of the Computing Industry and Computing profession, including Research and Applications in different fields; and Appreciation of Computing in different fields, such as Biology, Sociology, Environment and Gaming; an Understanding of ACM Requirements; and Appreciation of the history of Computing; and Knowledge of the Key Components of Computer Systems (Organization and Architecture), Malware, Computer Security, Internet and Internet protocols, HTML and CSS.

### CSCI 21

#### INTRODUCTION TO PROGRAMMING I

3 units

This course provides an introduction to computer science and programming. Two programming languages are used (Python and Java) to discuss basic programming concepts, algorithms variables, statements, decisions, iterations, functions, and arrays. The students are also introduced to object-oriented programming (objects, classes, properties, and methods) and developing visual interfaces.

### CSCI 22

#### INTRODUCTION TO PROGRAMMING II

3 units

Prerequisites: CSCI 20 and CSCI 21

This course builds on the basic programming concepts and techniques taught in introduction to Computing I, and covers more advanced topics with the goal of teaching students how to write more complex and more powerful programs. Topics to be covered include inheritance and basic object-oriented design, graphics, multithreaded programming, files/streams, and basic networking.

### CSCI 25

#### INTRODUCTION TO PROGRAMMING AND DATABASES

3 units

This course deals with basic database knowledge required of the professional, including principles of programming languages and database management; basic theories, concepts, methods, and terminology used in database technology; principles associated with the analysis, development, implementation, and maintenance of database systems; and database development tools.

CSCI 30

DATA STRUCTURES AND ALGORITHMS

3 units

Prerequisite: CSCI 22

This is a course on data structures and algorithms, the building blocks of software. The focus is on the discussion of elementary data structures such as stacks, queues, trees, and graphs, and on the design and analysis of algorithms. The course also tackles well-known algorithms for searching, sorting, as well as other selected problems.

CSCI 40

SOFTWARE TOOLS AND DEVELOPMENT FRAMEWORKS

3 units

Prerequisite: CSCI 22

This is a course on the design and implementation of object-oriented software systems. Particular emphasis is given to object-oriented modeling and development using contemporary techniques (such as Reflection, Annotations, Javassist, Design Patterns, AOP) using Java programming frameworks (Spring and Hibernate) as a reference. Actual software development is carried out over the course of the semester. Design models and systems are produced and used as cases for discussion.

CSCI 41

INFORMATION MANAGEMENT

3 units

Prerequisite: CSCI 40

Information is an important organizational resource. To manage information, databases are used extensively within organizations. Business applications of any significance invariably use databases. Hence, it is necessary for the IT professional to understand both the technical as well as the managerial implications of database application development. This course aims to provide the basic database knowledge required of the professional.

CSCI 42

INTRODUCTION TO SOFTWARE ENGINEERING

3 units

Prerequisite: CSCI 41

This course provides an overview of the software engineering process. Topics include requirement analysis, analysis modeling, software design fundamentals, software testing, quality assurance, software maintenance, and object-oriented software engineering.

CSCI 50

COMPUTER ORGANIZATION

6 units

This course is a study of the structure, characteristics, and operation of modern day computer systems. Emphasis is on fundamental principles, as well as the critical role of performance in driving computer design. Topics include the processing unit, memory, input-output systems, and networking concepts.

CSCI 50.01

COMPUTER ORGANIZATION, LECTURE

3 units

Prerequisite: CSCI 20

This course studies the organization of a computer and how it functions, from electrical signals and transistors to assembly language and memory. It covers the basics of digital design and organization of building blocks of computers.

CSCI 50.02

COMPUTER ORGANIZATION, LABORATORY

3 units

Prerequisite: CSCI 20

This course studies the organization of a computer and how it functions, from electrical signals and transistors to assembly language and memory. It deals with assembly language programming and an implementation of hardware according to how computer building blocks are organized.

CSCI 51

OPERATING SYSTEMS

6 units

This course is a study of the design and implementation of operating systems. Topics include a survey of evolved and developing operating systems, process scheduling and CPU allocations, memory management schemes, file system manipulation, secondary storage management, caching, performance evaluation, and techniques of improving operating systems.

CSCI 51.01

OPERATING SYSTEMS, LECTURE

3 units

Prerequisite: CSCI 20

This course is an introduction to the design and implementation of various popular operating systems like Windows and Linux. Among the topics covered are process management, processor scheduling, deadlocks, main memory management, virtual memory management, control of disks and other input/output devices, file system structure and implementation, and protection and security.

CSCI 51.02

OPERATING SYSTEMS, LABORATORY

3 units

Prerequisite: CSCI 20

This course is the laboratory counterpart of an introduction to the design and implementation of various popular operating systems like Windows and Linux. Among the topics covered are process management, processor scheduling, deadlocks, main memory management, virtual memory management, control of disks and other input/output devices, file system structure and implementation, and protection and security. The topics are covered with implementation in computer lab activities.

CSCI 60

COMPUTER NETWORKS AND DATA COMMUNICATIONS

3 units

Prerequisite: CSCI 20

The course is a technical discussion on data communications, computer network structure and architecture, and the OSI reference model for computer networks interconnection, which consists of the physical, data link, network, transport, session, presentation, and application layers. Other topics discussed are data communications, including standards, electrical interfaces, transmission, and protocols; network equipment currently used; computer network design; recent developments in the fast paced wireless broadband space; software defined networks (SDN); passive optical/coherent networks; and the packetization of telecommunications.

CSCI 61

INFORMATION ASSURANCE AND SECURITY

3 units



Prerequisites: CSCI 41, CSCI 60

Information assurance and security as a domain is the set of controls and processes both technical and policy intended to protect and defend information and information systems by ensuring their confidentiality, integrity, and availability, and by providing for authentication and non-repudiation. This course teaches the concepts of assurance and security in this systems context.

CSCI 62

MANAGEMENT AND COMMUNICATION TECHNOLOGIES

3 units

The course is best suited for students whose major is in the area of Management or in related fields. This is a discussion on the basics of computer networks and data communications and OSI reference model for computer networks interconnection. Topics include issues in the design and implementation of computer communication infrastructures, technologies currently in use, equipment presently deployed, and trends in this industry.

CSCI 70

STRUCTURE AND INTERPRETATION OF PROGRAMMING LANGUAGES

3 units

Prerequisite: CSCI 30

The course is an in-depth study of fundamental concepts as well as current and historical issues in the design, implementation, and application of programming languages. Topics include types of languages, syntax, semantics, language definition structures, binding, abstraction mechanisms, and sequence and data control. The course covers various programming paradigms and languages that suit these paradigms.

CSCI 71

THEORY OF COMPUTATION

3 units

Prerequisite: CSCI 30

This is an introductory course in the theory of automata and formal languages. Formalisms on strings, languages, automata, grammars, and Turing machines are discussed and shown as models for computation. Applications of these theories are also emphasized, particularly in the area of programming language translation and compiler design.

CSCI 111

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

3 units

Prerequisites: MATH 71.1 for BS AMDS - M DSc; CSCI 21 for BS CS, BS CS-DGDD, BSMS CS; MSYS 21 for BS MIS, BSMIS-MSCS; CSCI 25 for Minor in Data Science and Analytics

This is an introduction to the basic principles, techniques, and applications of artificial intelligence. The focus of the course is on the design and implementation of intelligent agents – systems that perceive and act on an environment through reasoning, solving problems, and drawing inferences. Topics include searching, knowledge representation, and learning.

CSCI 112

CONTEMPORARY DATABASES

3 units

Prerequisite: MATH 71.1 for BS AMDS - M DSc; CSCI 41 for BS CS, BS CS-DGDD, BSMS CS; MSYS 42 for BS MIS, BSMIS-MSCS; CSCI 25 for Minor in Data Science and Analytics

This course is designed to advance students' knowledge in database usage, concepts and implementation using various database technologies. It exposes students in a deeper understanding of traditional relational databases and when to apply certain implementations for specific use cases. The second half of the course focuses on modern approaches in storing data using non-relational techniques.

### CSCI 113

#### BUSINESS INTELLIGENCE

3 units

Prerequisite: MATH 60.2 for BS CS, BS CS-DGDD, BSMS CS, BS MIS, BSMIS-MSCS; MATH 62.1 for BS AMDS- M DSc; any introductory statistics course

This course introduces students to the field of business intelligence and data analytics and their value to organizations today. Today, data is considered as the new “oil” that runs digital organizations. Like oil, which needs to be extracted and refined to be used, Business Intelligence is extracting, modeling, and presenting information to help on decision making. The course is composed of two parts: descriptive analytics and predictive analytics.

### CSCI 114

#### PATTERN RECOGNITION

3 units

This course is an introduction to pattern recognition concepts and practices. Topics include both statistical and modern computer-oriented approaches commonly applied in data mining, image segmentation and recognition, fault detection, financial analysis, fingerprint identification, robotics and vision, medical diagnosis, automated target recognition, and information retrieval.

### CSCI 115

#### COMPUTER SIMULATION AND MODELING

3 units

Prerequisites: MATH 71.1 Fundamentals of Computing I (for BS AMDS- M DSc);

CSCI 21 Introduction to Programming I (for BS CS, BS CS-DGDD, BSMS CS); MSYS 21 Introduction to Programming I (for BS MIS, BSMIS-MSCS);

CSCI 25 Introduction to Programming and Databases (for Minor in Data Science and Analytics)

Computer Simulations and Modeling introduces various deterministic and stochastic mathematical modeling approaches to replicate actual phenomena, events or systems. Application and validation of simulation models are discussed, including algorithms and software, to enable actual application in a particular field of study.

### CSCI 116

#### INTRODUCTION TO EXPERT SYSTEMS

3 units

This course is an overview of how expert systems are developed and the design methods, tools, and implementation issues involved. The students experience hands-on development of an expert system.

### CSCI 117

#### DATA VISUALIZATION

3 units

In this course, students learn to manipulate, analyze, and visualize data using Python matplotlib. No prior experience with python is required, but exposure to programming is expected. Coding tutorials and lab work are interspersed with lectures on design fundamentals. In a major class project, students (in pairs or small groups) create – conceptualize, design, and code – a useful visualization based on a real-world dataset.

### CSCI 121

#### NETWORKS 2

3 units

This course studies the issues in the design and analysis of communication networks and systems in terms of physical implementation, protocols, routing, management, software interfaces, and applications. Focus is on high-speed LAN, WAN, and telecommunication network technologies; and on network design and integration issues.

CSCI 123

BASIC SYSTEM AND NETWORK ADMINISTRATION

3 units

This is a seminar course on developments in fields of computer networking and communication, computer systems design and implementation, and computer architecture.

CSCI 130

INTRODUCTION TO MULTIMEDIA SYSTEMS

3 units

This course is a study of the different elements involved in the creation of multimedia applications. Topics include color theory, compression schemes, image design and processing, video production, and interactive presentations. Students produce a portfolio containing various images and videos created during the semester.

CSCI 132

ELECTRONIC PUBLISHING

3 units

This is a course on desktop-publishing, including typesetting documents for electronic presentation. Topics include the foundations of information architecture and various means of electronic distribution of information such as HTML, Authoring Software, and Adobe PDF.

CSCI 133

3D ANIMATION AND MODELING

3 units

This is a course on the theories in geometry, algorithms in computer graphics, and its implementation in a 3D modeling software.

CSCI 134.1

INTERACTIVE SOUND ART AND INSTALLATION

3 units

This course introduces students to various genres of sound art and installation. The course explores experimental and non-traditional approaches to sound composition. Students create their own compositions through different recording and audio signal-processing techniques. By the end of the course, students successfully produce their sound installation compositions.

CSCI 140

INSTRUCTIONAL SOFTWARE DESIGN AND DEVELOPMENT

3 units

This course is a study of the different stages in courseware development and current studies about IT in the classroom, both locally and internationally. Students are required to produce individually authored educational packages using any of the authoring tools used by the department.

CSCI 142

HUMAN COMPUTER INTERACTION

3 units

This is a course on human computer interaction which emphasizes that systems should be designed with the user – the human being – in mind, supporting human capabilities and compensating for human limitations.

CSCI 143

AFFECTIVE COMPUTING

3 units

Prerequisite: MATH 71.1 for BS AMDS; CSCI 21 for BS CS, BS CS-DGDD, BSMS CS; MSYS 21 for BS MIS, BS MIS-MS CS; CSCI 25 for Minor in Data Science and Analytics

This course explores affective computing, defined as computer systems that relate to, arise from, or deliberately influence emotion. It examines how these systems detect human affect, how they respond to affect, and how they themselves express affect. The topics that are covered include but are not limited to definitions of affect, functions of affect, physiological manifestations of affect, affect data collection, affect model building, testing of affective interventions, and surveys of existing affect-sensitive systems.

CSCI 151

WEB PROGRAMMING

3 units

This course introduces building dynamic Web applications. Topics include: the history of the Internet; fundamental internet technologies and concepts; PERL, PHP, and Apache; web application development using ASP.NET and C# language; data access using ADO.NET; authentication and authorization; mobile web applications; and XML web services.

CSCI 152

WEB PAGE DESIGN

3 units

This is a course on various web design concepts and techniques that serve as a foundation for the design and creation of effective web pages.

CSCI 160

MOBILE COMPUTING

3 units

This course focuses on the use of technologies to develop mobile systems. The course aims to familiarize students with technology that allows them to develop applications for various mobile devices. It also aims to familiarize the students with the back-end of mobile systems.

CSCI 160.03

DESIGNING FOR MOBILE DEVICES

3 units

This course applies theories in user interface and user experience in the design of applications for mobile devices. Topics included are: the history of mobile devices, elements in mobile applications, operating systems in mobile devices, mobile cloud computing, and design tools and engines.

CSCI 161

SOCIAL COMPUTING

3 units

This is the umbrella course for all courses with a focus on Social Computing.

CSCI 161.03

INTRODUCTION TO SOCIAL COMPUTING

3 units

This introductory course provides a background on social psychology, understanding of online environments and online social networks, social mining, and social network analysis to better understand our networked societies. It also introduces key developments and tools in areas such as Big Data Analytics (Hadoop and NoSQL) and Massively Distributed Systems.

CSCI 162

MOBILE LEARNING

3 units

This is an introductory course in the design and development of content for mobile platforms. It provides a context to understanding the learning environment by introducing the history of mLearning in the Philippines mLearning as a subfield of distance education, mLearning research and practice, and Filipino socio-cultural frame for mLearnings.

CSCI 180

SPECIAL TOPICS IN LANGUAGES

3 units

This is a seminar course on the developments in the field of programming languages. Students do research, present papers, and develop applications using the programming languages.

CSCI 180.05

SPECIAL TOPICS IN LANGUAGES: ENTERPRISE SYSTEMS PROGRAMMING

3 units

This course deals with the implementation of enterprise systems. Using a particular application server software platform, the development enterprise systems program is demonstrated covering various technology components such as web server and server-side programming, database connectivity, and Graphical User Interface (GUI) design.

CSCI 180.06

SPECIAL TOPICS IN LANGUAGES: PROGRAMMING FOR EMBEDDED DEVICES

3 units

This is a course on writing application programs for handheld computers running the PalmOS operating system. Various handheld organizer computers run PalmOS, like Palm, Sony Clie, Handspring, and Treo, making PalmOS the most popular embedded OS today, and constitutes the biggest share of the handheld market.

CSCI 181

SPECIAL TOPICS IN SOFTWARE ENGINEERING

3 units

This is an umbrella course for all courses with a focus on Software Engineering.

CSCI 181.03

SPECIAL TOPICS IN SOFTWARE ENGINEERING: iOS DEVELOPMENT

3 units

Prerequisite: CSCI 21 or MSYS 21

This is an introductory course in Mobile Applications Development, designed for both computer science and non-computer science majors. A particular mobile application development platform and environment (such as iOS and Xcode) are employed for the course and students are taught basic programming concepts and development techniques using the chosen platform. The course also tackles interface design and project management concepts to enable students to develop complete applications.

CSCI 181.04

SPECIAL TOPICS IN SOFTWARE ENGINEERING: ANDROID DEVELOPMENT

3 units

Prerequisite: CSCI 21 or MSYS 21

Object-Oriented Programming (OOP) for Mobile Systems is a course that focuses on the use of technologies to develop applications for mobile systems. The course focuses primarily in the use of the Android Operating Systems (OS) for developing applications for cellular phones and tablets. The course assumes that the student has a firm grasp of OOP concepts.

CSCI 181.06

SPECIAL TOPICS IN SOFTWARE ENGINEERING: INTRODUCTION TO SOFTWARE TESTING

3 units

Prerequisite: CSCI 21, CSCI 22

This course is an introduction to software testing. The different levels, techniques, and management of software testing are tackled.

CSCI 181.07

SPECIAL TOPICS IN SOFTWARE ENGINEERING: SOFTWARE QUALITY MANAGEMENT

3 units

The course provides students with the knowledge to manage software quality. Concentrating on the agile/ scrum software development methodology, the course teaches different software failure modes such as memory leaks and race condition. It discusses useful software or tools that ensure code quality. The course also covers useful techniques for continuous improvement, such as Lean Six Sigma and Design Failure Mode and Effect Analysis (DFMEA).

CSCI 182

SPECIAL TOPICS IN DATA SCIENCE AND ANALYTICS

3 units

This is the umbrella course for all courses with a focus on special topics in Data Science and Analytics.

CSCI 182.03

SPECIAL TOPICS IN DATA SCIENCE AND ANALYTICS: BIOINFORMATICS

3 units

This course is designed to bring together faculty and students from computing, life science, and physical science backgrounds to discuss and analyze genomes, genes, gene products/proteins, and function using computational tools. Focus is on the main databases, search tools, matching methods, and predictive models.

CSCI 183

SPECIAL TOPICS IN THEORY

3 units

This is a seminar course on developments in the theoretical field of computer science.

CSCI 183.03

SPECIAL TOPICS IN THEORY: ADVANCED COMPUTER SCIENCE PROBLEM SOLVING 1

3 units

This seminar course on advanced problem solving in computer science focuses on applying concepts in arithmetic, algebra, geometry, calculus, number theory, numerical analysis, operations research, and in data structures and algorithms, to solve various problems, and finally implementing the solutions in programming languages such as Java and C.

CSCI 183.04

SPECIAL TOPICS IN THEORY: ADVANCED COMPUTER SCIENCE PROBLEM SOLVING 2

3 units

This seminar course on advanced problem solving in computer science focuses on applying concepts in arithmetic, algebra, geometry, calculus, number theory, numerical analysis, operations research, and in data structures and algorithms, to solve various problems. More complex problems are covered, with the solutions implemented in programming languages.

CSCI 184

SPECIAL TOPICS IN NETWORKS AND SECURITY

3 units

This is the umbrella course for all courses with a focus on special topics in Networks and Security.

CSCI 184.03

SPECIAL TOPICS IN NETWORKS AND SECURITY: CRYPTOGRAPHY AND NETWORK SECURITY

3 units

This course is a survey of the principles and implementation issues related to cryptography and network security. Topics include classical, conventional, and public-key encryption algorithms and their applications to the practice of computer network security.

CSCI 184.05

SPECIAL TOPICS IN NETWORKS AND SECURITY:  
NETWORK SECURITY AND HACKING COUNTERMEASURES

3 units

This is a course on the fundamentals of network security. The different practices of hacking are explained, with emphasis on the steps that need to be taken to counteract such hacking activities.

CSCI 185

SPECIAL TOPICS IN COMPUTER SCIENCE

3 units

This is the umbrella course for all courses with a focus on special topics in Computer Science.

CSCI 197

PRACTICUM

3 units

This course is a work practicum program wherein students apply IT/IS knowledge, project management, and problem-solving skills to real-life situations in a professional context. The experience helps students appreciate higher-level management and IT subjects in their fourth year.

CSCI 198

SOFTWARE/HARDWARE PROJECT

3 units

Under the supervision of a faculty member, students study related literature, propose a relevant and feasible research project, develop it into concrete hardware or software, and present their results in a final technical report.

CSCI 199.1

THESIS WRITING I

1 unit

Prerequisite: CSCI 20

This is the first course in the series of three capstone courses for the BS Computer Science program. Students are expected to produce a system, an application, an analysis, or a new algorithm alongside a thesis document that thoroughly describes the research process that the students undergo. Under the guidance of faculty advisers, the students working individually or in groups, come up with a proposal for a thesis that they work on during the succeeding 2 thesis courses.

CSCI 199.2

THESIS WRITING II

3 units

Prerequisite: CSCI 199.1

This is the second course in the series of three capstone courses for the BS Computer Science program. The course requires the students to deliver a system, an application, or an analysis according to the specifications in the thesis proposal.

CSCI 199.3

THESIS WRITING III

3 units

Prerequisite: CSCI 199.2

This is the third course in the series of three thesis courses for the BS Computer Science program. This requires the students to deliver a system, an application, or an analysis according to the specifications in the thesis proposal.

GDEV 20

INTRODUCTION TO THE DESIGN AND DEVELOPMENT OF COMPUTER GAMES

3 units

This course introduces the aspects of professional computer game design and programming. Topics include good design principles, graphics and sound programming, modeling techniques, and project management in

the context of developing a complete, marketable computer game. Special topics include console programming (e.g. PlayStation 2).

#### GDEV 21

##### INTRODUCTION TO GAMES AND GAME DESIGN 1

3 units

This course introduces the essential concepts behind game design. These concepts follow the game development process, from brainstorming a game idea and establishing the focus to getting the gameplay work and playtesting. Different games (both PC and console games) of different genres are analyzed.

#### GDEV 22

##### INTRODUCTION TO GAMES AND GAME DESIGN 2

3 units

Using an authoring tool, game development environment, or similar software, students implement the design or script created in GDEV 21. The game is tested with representatives from the target audience and evaluated based on formal measures of playability testing.

#### GDEV 30

##### COMPUTER GRAPHICS PROGRAMMING

3 units

This course introduces students to the various elementary principles of computer graphics. The course deals with the basic mathematical concepts behind graphics, i.e. how the computer generates images that model the real world; and fundamentals of OpenGL programming.

#### GDEV 31

##### COMPUTATIONAL GEOMETRY AND VECTOR ANALYSIS

3 units

This course is the study of algorithms and mathematical representations of geometry. It covers vector operations such as dot and cross products and their applications in line representations, projections, and other geometric computations.

#### GDEV 32

##### ADVANCED COMPUTER GRAPHICS THEORY AND PROGRAMMING

3 units

This is a continuation of the introductory graphics course. Building upon the previous course, students are taught optimization, advanced geometry for graphics, animation, and advanced rendering techniques. Students delve deeper into a technical treatise of current computer graphics technologies.

#### GDEV 40

##### PC AND CONSOLE GAME DEVELOPMENT

3 units

This course is an introduction to aspects of 3-D game programming for mainstream platforms (PCs and consoles, e.g. PlayStation 2). These aspects include graphics and sound programming, user interface design, and artificial intelligence.

#### GDEV 41

##### PC AND CONSOLE GAME DEVELOPMENT I

3 units

Prerequisite: CSCI 22

This course focuses on the fundamentals of PC game programming. Students learn how to build a game from scratch in order to gain a deep understanding of their architecture and components, as opposed to using a premade game-making software. The format of the lesson is a mix of lectures followed by hands-on implementation.



GDEV 42

PC AND CONSOLE GAME DEVELOPMENT II

3 units

Prerequisite: GDEV 41

This course focuses on the fundamentals of PC game programming. Students learn how to build a game from scratch in order to gain a deep understanding of their architecture and components, as opposed to using a premade game-making software. The format of the lesson is a mix of lectures followed by hands-on implementation. By the end of the semester, the students should be able to produce a networked multiplayer game.

GDEV 50

GAMES STUDIES

3 units

This course tackles contemporary issues surrounding the ways in which games affect, enable, and change ourselves, our relationships, and our ways of life. Faculty lineup from the School of Humanities and the School of Social Sciences help the course gain a better appreciation of digital games as art, as social artifacts, and as communication media, and to understand their impact on us as individuals and on society as a whole.

GDEV 198.1

INTEGRATIVE PROJECT 1

3 units

This is the first course in the series of three capstone courses for the BS Digital Game Design and Development program. Students are expected to produce a functional game together with a game design document. Under the guidance of faculty advisers, the students in GDEV 198.1, working individually or in groups, come up with a proposal for a game that they work on during the succeeding 2 courses.

GDEV 198.2

INTEGRATIVE PROJECT 2

3 units

Prerequisite: GDEV 198.1

This is the second course in the series of three capstone courses for the BS Digital Game Design and Development program. Students are expected to deliver a game software according to the specifications stipulated in the game design document.

GDEV 198.3

INTEGRATIVE PROJECT 3

3 units

Prerequisite: GDEV 198.2

This is the last course in the series of three capstone courses for the BS Digital Game Design and Development program. Students are expected to evaluate their game software through playtesting by their target audience.

ISCS 30

GUIDED STUDIES IN DISCS

1 unit

Prerequisite: CSCI 20

This is a 1 unit, self-paced, student-centered course within one semester where, under the guidance of an adviser/mentor, the student chooses to learn a relevant skill, or solves a specific problem, under the umbrella of Computer Science and/or Information Systems.

MSYS 20

INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS

3 units

This course gives students a solid and concise foundation in the fundamentals of information systems

through the most recent research, references, and examples in the field.

#### MSYS 21

##### INTRODUCTION TO PROGRAMMING I

3 units

This course provides an introduction to computer programming for non-Computer Science majors. The Python programming language is used to discuss basic programming concepts: algorithms, variables, statements, control structures, iterations, functions, and arrays. The students are also introduced to object-oriented programming (objects, classes, properties, and methods) and developing visual interfaces.

#### MSYS 22

##### INTRODUCTION TO PROGRAMMING II

3 units

Prerequisite: MSYS 21

This course builds on the basic programming concepts and techniques taught in Introduction to Programming I, and covers more advanced topics with the goal of teaching students how to write more complex and more powerful programs, with a particular focus in writing web-based applications. The students are introduced to the 3 core web technologies (HTML, CSS, and JavaScript), as well as the Django web framework.

#### MSYS 25

##### INTRODUCTION TO INFORMATION TECHNOLOGY

5 units

This course is a discussion of the important and relevant management issues involved in providing information services to the organization. It is intended as the capstone course for BS MIS students providing opportunities for integration and application of the other MIS courses.

#### MSYS 30

##### DATA STRUCTURES AND ALGORITHMS

3 units

Prerequisite: MSYS 22

This course provides students with the basic tools necessary to develop their own algorithms, in whatever field of application they may be required. This course concentrates on the fundamental techniques used to design and analyze efficient algorithms. These techniques include greedy algorithms, divide-and-conquer algorithms, dynamic programming, and graph algorithms.

#### MSYS 40

##### BUSINESS APPLICATIONS DEVELOPMENT 1

3 units

Prerequisite: MSYS 20 and MSYS 22

This is a course that introduces students to the initial steps in developing business applications. The methodologies of feasibility assessment, project scoping, and the analysis of current system implementations are taught, hand and in hand with a prospect of a project with a real client. By the end of the course, the students are equipped with the skills to design business applications to address client business needs.

#### MSYS 41

##### BUSINESS APPLICATIONS DEVELOPMENT 2

3 units

Prerequisite: MSYS 40

This course is an introduction to information system concepts and the systems development process. This course emphasizes the analysis and design development phases, the application of structured and prototyping methods, and the use of tools (computer and others). As a term project, student teams determine and specify user requirements (process and data) for an information system application.

MSYS 42  
BUSINESS APPLICATIONS DEVELOPMENT 3

3 units

Prerequisites: MSYS 41

This course is a continuation of Business Applications Development II, the course provides further introduction to tools and methods used in the analysis and design of information systems. This course emphasizes the systems development phases of database design, system implementation and system maintenance. As a term project, student groups design and implement a system based on user requirements for an information system application.

MSYS 50  
ENTERPRISE ARCHITECTURE

3 units

Prerequisite: MSYS 20

This course explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and infrastructure and their fit with the business. Students learn frameworks and strategies for infrastructure management, system administration, data/information architecture, content management, distributed computing, middleware, legacy system integration, system consolidation, and software selection, total cost of ownership calculation, IT investment analysis, and emerging technologies. These topics are addressed both within and beyond the organization, with attention to managing risk and security within audit and compliance standards. Students also hone their ability to communicate technology architecture strategies concisely to a general business audience.

MSYS 51  
INFORMATION TECHNOLOGY INFRASTRUCTURE

3 units

Prerequisite: MSYS 20

The course covers topics related to both computer and systems architecture and networks, focusing on services and capabilities that IT infrastructure solutions enable in an organizational context. It gives students the knowledge and skills needed for communicating effectively with professionals whose focus is on hardware and systems software technology as well as designing software solutions that require in-depth understanding of IT infrastructure capabilities and limitations. It prepares students for roles that require interaction with external vendors of IT infrastructure solutions. The course focuses on Internet-based solutions, computer and network security, business continuity, and the role of infrastructure in regulatory compliance.

MSYS 60  
MIS GAMES AND STRATEGIES

3 units

This course studies various non-technical issues that an MIS developer faces concerning communication, problem solving, and awareness of the organizational dynamics, teamwork, negotiation and conflict management, and change management. Games and activities are used to study these issues and gain insights into human behavior in groups.

MSYS 111  
BUSINESS PROCESS MANAGEMENT

3 units

This course discusses the frameworks, approaches, methods, and software for achieving and maintaining business process excellence with or without the use of an information system. It exposes the students to SAP Business One, an enterprise system software being used by small to medium scale companies.

MSYS 112  
ENTERPRISE SYSTEMS PLANNING

3 units

This course trains students to plan for an enterprise solution for an identified business case through 1) Survey of Enterprise Solutions and 2) Gap Analysis. The Survey of Enterprise Solutions introduces students to enterprise solution products that may be used to address business process management requirements. The Gap Analysis introduces the process where features of existing information systems solutions are mapped against a list of requirements for an enterprise solution. This becomes the basis for an Enterprise Plan that defines the components of an enterprise system solution.

MSYS 114

ACCOUNTING INFORMATION SYSTEMS

3 units

This course is an overview of accounting information systems.

MSYS 115

FINANCIAL INFORMATION SYSTEMS

3 unit

This is a seminar course on special topics related to developments in the fields of business computing, information systems, and information technology. Topics include analysis of the design and functions of the different systems being used by financial institutions today.

MSYS 121

APPLIED DIGITAL LAW AND ETHICS

3 units

The course exposes students to ethical and legal norms of practice. The course also hones responsible IT professionals by instilling a comprehensive and coherent worldview of issues that arise in their field of practice. The course equips students with an understanding of ethics and law pertaining to issues in the use of digital media.

MSYS 122

APPLICATIONS IN MEDICINE AND PUBLIC HEALTH INFORMATICS

3 units

This course is an overview of the various applications of information and communications technology in the health sciences, encompassing the spectrum from bioinformatics, medical informatics, to public health informatics, emphasizing how biomedical concepts place constraints on their counterpart instances in the information science domain.

MSYS 123

INTRODUCTION TO EHEALTH SYSTEMS

3 units

This course covers an understanding of Health Informatics as applied to the development and deployment of eHealth systems, especially in the Philippine context. Specifically, this course aims to provide a venue for understanding and applying eHealth solutions to enable universal access to health care services and health information and reports. Students build solutions on existing platforms developed for use by local government units and government agencies.

MSYS 140

DATA AND INFORMATION MANAGEMENT

3 units

Prerequisite: MSYS 42

This course is concerned with policies, procedures, and best practices in data and information management (DIM). The goal of DIM is to ensure that data is understandable, trusted, visible, accessible, optimized for use, and interoperable. DIM includes processes for strategy, planning, modeling, security, access control, visualization, data analytics, and quality. DIM outcomes include improving data quality and assurance, enabling information sharing, and fostering data reuse by minimizing data redundancy.

MSYS 141  
INFORMATION TECHNOLOGY PROJECT MANAGEMENT

3 units

Prerequisite: MSYS 42

This subject introduces the student to general principles of project management in the IS environment. This is done by providing the student with knowledge and understanding of the interrelationships between system development methodologies and project management tools and techniques.

MSYS 142  
INFORMATION TECHNOLOGY GOVERNANCE

3 units

Prerequisites: MSYS 140 and MSYS 141

This course aims to provide an advanced discussion of information systems planning, development and deployment in business organizations. It touches on the relevant and important management issues affecting the Information Technology function. It provides opportunities for integration and application of the other MIS courses.

MSYS 171  
IT SECURITY AND RISK MANAGEMENT

3 units

Prerequisites: MSYS 140 and MSYS 141

This course aims to teach students to apply risk management methodologies to Information Technology, thus enforcing security in the context of information systems.

MSYS 180  
SPECIAL TOPICS IN ENTERPRISE ARCHITECTURE

3 units

This is the umbrella course for all courses with a focus on special topics in Enterprise Architecture.

MSYS 180.03  
SPECIAL TOPICS IN ENTERPRISE ARCHITECTURE: CLOUD COMPUTING

3 units

This course introduces students to the concept of cloud computing and how it is used in business through an e-commerce system running in a cloud computing setup. Students learn how to customize an e-commerce system by means of client and server side scripting and web services on the cloud computing system.

MSYS 180.04  
SPECIAL TOPICS IN ENTERPRISE ARCHITECTURE: WEB SERVICES

3 units

This is a course that focuses on the development and application of web services in the context of enterprise architectures.

MSYS 181  
SPECIAL TOPICS IN INFORMATION TECHNOLOGY

3 units

These are seminars on selected aesthetic, social, or ethical issues in the conduct of information technology in the local or global setting. Papers and presentations permit students to take their own positions on the issue under consideration.

MSYS 181.03  
SPECIAL TOPICS IN INFORMATION TECHNOLOGY: SURVEY ON CONTEMPORARY TECHNOLOGIES

3 units

This is a course that teaches students how to determine the different interacting components used to build current prevalent technologies. The technologies that are analyzed would include web-based networking, web-based video portals, and other web 2.0 technologies.

MSYS 181.04

SPECIAL TOPICS IN INFORMATION TECHNOLOGY:  
IT TRENDS AND TECHNOLOGIES IN THE CORPORATE WORLD

3 units

This course is an introductory overview on the management of IT services in the real world. The course involves a discussion of the key concepts underlying IT Service Management and the best practices documented in IT Infrastructure Library (formally known as ITIL). It introduces the students to the different processes under the ITSM framework and covers how these processes should be implemented in different companies.

MSYS 181.05

SPECIAL TOPICS IN INFORMATION TECHNOLOGY:  
INFORMATION AND COMMUNICATION TECHNOLOGIES FOR DEVELOPMENT

3 units

This course focuses on information and knowledge, and the technologies that help us gain access to them. It looks at the role of Information and Communications Technologies (ICTs) in the context of development. In discussing the role of ICTs in development, the course is not limited to computers and the Internet alone. Rather, it includes other ICTs such radio, TV, telephone, and other indigenous information systems that are available.

MSYS 185

SPECIAL TOPICS IN MANAGEMENT INFORMATION SYSTEMS

3 units

This course introduces information systems and information technology, including the basic theories, concepts, methods, and terminology; the changing role of information systems and how organizations use them; information technology and its applications; and principles associated with the analysis, development, implementation and maintenance of information systems.

MSYS 197

PRACTICUM

3 units

This course is a work practicum program wherein students apply IT/IS knowledge, project management, and problem-solving skills to real-life situations in a professional context. The experience helps students appreciate higher-level management and IT subjects in their fourth year.

MSYS 198.1

CAPSTONE PROJECT 1

1 unit

Prerequisite: MSYS 20

This is the first course in the series of three capstone courses for the BS Management Information Systems program. Students are expected to produce a system, an application, an analysis, or a new algorithm alongside a document that thoroughly describes the process that the students undergo. Under the guidance of the faculty advisers, the students, working individually or in groups, come up with a proposal for a capstone project that they will work on during the succeeding 2 courses.

MSYS 198.2

CAPSTONE PROJECT 2

3 units

Prerequisite: MSYS 198.1

This is the second course in the series of three capstone courses for the BS Management Information Systems program. This course requires the students to deliver a system, an application, or an analysis according to the specifications in the capstone project.

MSYS 198.3

CAPSTONE PROJECT 3

3 units

Prerequisite: MSYS 198.2

This is the third and last course in the series of three capstone courses for the BS Management Information Systems program. This course requires the students to test or validate a system, application, or computational model according to the specifications in the capstone project. It may also require students to make modifications or improvements to their system or computational model and again validate the improved system.

MSYS 199.1

THESIS WRITING 1

1 unit

Prerequisite: MSYS 20

This is the first course in the thesis option series of thesis courses for the BS MIS program. Students are expected to produce a system, an application, an analysis, or a new algorithm alongside a thesis document that thoroughly describes the research process that the students undergo. Under the guidance of faculty advisers, the students working individually or in groups, come up with a proposal for a thesis that they will work on during the succeeding 2 thesis courses.

MSYS 199.2

THESIS WRITING 2

3 units

Prerequisite: MSYS 199.1

This is the second course in the series of three thesis option courses for the BS MIS program. The course requires the students to deliver a system, an application, or an analysis according to the specifications in the thesis proposal.

MSYS 199.3

THESIS WRITING 3

3 units

Prerequisite: MSYS 199.2

This is the third course in the series of three thesis option courses for the BS MIS program. This requires the students to deliver a system, an application, or an analysis according to the specifications in the thesis proposal.

# MATHEMATICS

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The Department of Mathematics seeks to become a community of mathematicians and mathematics educators that takes leadership in the pursuit of excellence in mathematics teaching, research, and service.

The Mathematics Department aims to provide excellent undergraduate and graduate mathematics education to both science and non-science students that will enable them to make significant contributions to the advancement of the country; cultivate a culture of research and professionalism that will contribute to the country's progress as well as to the personal growth and development of the members of the Department; develop outstanding mathematicians, mathematics educators, and mathematics professionals who will become leaders in shaping the country's future; strengthen collaboration between mathematics and mathematics education as well as with other disciplines; encourage and advance links with business and industry; and, increase interest and commitment among students to pursue careers in mathematics.



## BACHELOR OF SCIENCE IN MATHEMATICS

The BS Mathematics program gives students a solid foundation in pure mathematics, as well as extensive exposure to applied areas including actuarial science, operations research, scientific computing, statistics and finance. The rigor, analytic thinking, and creativity instilled in graduates of the program have made them leaders in academe, banking and finance, software development and insurance and management practice.

<u>First Semester</u>		<b>FIRST YEAR</b>		<u>Units</u>	
		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 71.1	Fundamentals of Computing I	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

<u>Intersession</u>	<u>Units</u>	
MATH 51.1	Discrete Mathematics	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	6(0)

<u>First Semester</u>		<b>SECOND YEAR</b>		<u>Units</u>	
		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 31.3	Mathematical Analysis II	3	MATH 31.4	Mathematical Analysis III	3
MATH 50.1	Elementary Number Theory	3	MATH 40.1	Linear Algebra	3
PHYS 23.01	University Physics I, Lecture	3	MATH 61.2	Elementary Probability Theory	3
PHYS 23.02	University Physics I, Laboratory	2	ArtAp 10	Art Appreciation	3
PHILO 11	Philosophy: The Human Condition	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	17(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		18(5)

<u>Intersession</u>	<u>Units</u>	
MATH 55.1	Fundamental Concepts of Mathematics	3
ECON 110	Principles of Economics	3
	TOTAL	6(0)

<u>First Semester</u>		<b>THIRD YEAR</b>		<u>Units</u>	
		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 62.1	Introduction to Statistical Theory	3	MATH 72.1	Ordinary Differential Equations	3
MATH 81.1	Modern Geometry I	3	MATH 80.1	Fundamental Concepts of Algebra	3
MATH 90.1	Advanced Calculus I	3	MATH 192	Undergraduate Research Seminar	1

SocSc 13	The Economy, Society, and Sustainable Development	3	MATHEMATICS ELECTIVE	Mathematics Elective	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
IE 2	Interdisciplinary Elective 2	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	18(3)		TOTAL	19(0)

#### FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 71.3	Scientific Computing I	3	MATH 92.1	Complex Analysis I	3
MATH 91.1/80.2	Real Analysis I/Introduction to Galois Theory	3	MATH 199.2	Undergraduate Research in Mathematics II	2
MATH 199.1	Undergraduate Research in Mathematics I	2	MATHEMATICS ELECTIVE	Mathematics Elective	3
MATHEMATICS ELECTIVE	Mathematics Elective	3	MATHEMATICS ELECTIVE	Mathematics Elective	3
STS 10	Science, Technology, and Society	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3			
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	20(0)		TOTAL	17(0)

Total Number of Academic Units: 198(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE / MASTER IN APPLIED MATHEMATICS WITH SPECIALIZATION IN MATHEMATICAL FINANCE

With globalization, the local financial industry has seen in recent years the need to stay on track in terms of innovations in financial products and to have the capacity to assess the risks that accompany the exposures to such products. Despite the recent financial crisis that was blamed mainly on misuse and abuse of derivatives, local banks are now broadening their portfolios by engaging in these transactions. As the banks' portfolios become more complex, there is then a greater need for more sophisticated measures of assessing their risk profiles.

The local financial industry is therefore in need of graduates who possess both the quantitative skills and the knowledge of finance and economics. The Ateneo Mathematics Department responds to this need through its Mathematical Finance program (BS/M AMF).

The BS/M AMF program is a 5-year program in applied mathematics major in mathematical finance. Students of the BS/M AMF program obtain their bachelor's degree after 4 years and then pursue a master's degree in their fifth year.

The undergraduate program has four essential components: Mathematics; Probability Theory and Statistics; Accounting, Finance and Economics; and Scientific Programming.

The graduate program includes Stochastic Calculus, Advanced Probability and Martingales, Financial Derivatives, Risk Management, Practitioners' Seminar, and electives. Aside from these courses, an essential part of the master's program is the Financial Mathematics project

for local companies. This part of the curriculum aims to provide the students an exposure to the actual applications of the theories that they learned in the classroom and to assist the participating companies in doing research on financial models, risk management tools, and other mathematical modeling requirements.

Through the BS/M AMF program, the Mathematics Department produces a new generation of professionals who will ensure a stable financial industry in the country and local financial institutions able to compete in the global market.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 71.1	Fundamentals of Computing I	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

<b>SECOND YEAR</b>		
<u>Intersession</u>		<u>Units</u>
MATH 51.1	Discrete Mathematics	3
FLC 11	Foreign Language and Culture 11	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 31.3	Mathematical Analysis II	3	MATH 31.4	Mathematical Analysis III	3
ACCT 115	Financial Accounting	3	MATH 40.1	Linear Algebra	3
PHYS 23.01	University Physics I, Lecture	3	MATH 61.2	Elementary Probability Theory	3
PHYS 23.02	University Physics I, Laboratory	2	FINN 115	Financial Management	3
HISTO 12	Readings in Philippine History	3	THEO 12	Theology of the Catholic Social Vision	3
PHILO 11	Philosophy: The Human Condition	3	IE 1	Interdisciplinary Elective 1 – English	3
SocSc 12	The Contemporary World	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)	TOTAL		18(5)

<b>THIRD YEAR</b>		
<u>Intersession</u>		<u>Units</u>
MATH 55.1	Fundamental Concepts of Mathematics	3
ECON 110	Principles of Economics	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 62.1	Introduction to Statistical Theory	3	MATH 62.2	Time Series and Forecasting	3

MATH 90.1	Advanced Calculus I	3	MATH 72.1	Ordinary Differential Equations	3
MATH 101.6	Theory of Interest	3	MATH 100.1	Topics in Financial Mathematics I	3
ECON 112	Intermediate Macroeconomic Theory	3	MATH 192	Undergraduate Research Seminar	1
FINN 121	Investment Management	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	18(3)	THEO 13	A Theology of Marriage, Family, and Vocation	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		19(3)

#### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
ArtAp 10	Art Appreciation	3
FREE ELECTIVE	Free Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 71.3	Scientific Computing I	3	MATH 71.4	Scientific Computing II	3
MATH 91.1	Real Analysis I	3	MATH 72.2	Partial Differential Equations	3
MATH 100.2	Topics in Financial Mathematics II	3	MATH 102.1	Topics in Operations Research	3
MATH 199.11	Undergraduate Research in Applied Mathematics I	2	MATH 199.12	Undergraduate Research in Applied Mathematics II	2
STS 10	Science, Technology, and Society	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	IE 3	Interdisciplinary Elective 3	3
IE 2	Interdisciplinary Elective 2	3	FREE ELECTIVE	Free Elective	3
	TOTAL	20(0)	TOTAL		20(0)

#### FIFTH YEAR

<u>Interession</u>		<u>Units</u>
MATH 232.1	Financial Derivatives I	3
MATH 271.2	Advanced Statistical Methods	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
MATH 231.4	Practitioners' Seminar	3	MATH 233.4	Financial Risk Management II	3
MATH 232.2	Financial Derivatives II	3	MATH 236.2	Stochastic Calculus II	3
MATH 233.2	Financial Risk Management I	3	MATH 298.1	Mathematical Finance Project	3
MATH 236.1	Stochastic Calculus I	3	AMF ELECTIVE	AMF Elective	3
MATH 236.4	Advanced Probability and Martingales	3	AMF ELECTIVE	AMF Elective	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 203(14)  
Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN APPLIED MATHEMATICS, MASTER IN DATA SCIENCE (BS AMDSC – M DSC)

The program, BS Applied Mathematics – Master in Data Science (BS AMDSc – M DSc), combines mathematics foundations and computational methods with domain understanding in various fields to help generate actionable insights from data analysis. With the rapid emergence of data science as a top profession globally, BS AMDSc – M DSc aims to address the growing demand for these skills through a five-year program of rigorous, interdisciplinary training and cutting-edge applications.

BS AMDSc – M DSc is a 5-year straight program. Students obtain their bachelor's degree BS Applied Mathematics (with Specialization in Data Science) after 4 years and, subject to the academic requirements of the program, proceed to the master's program Master in Data Science in the 5th year.

The major curriculum of the undergraduate program builds the students' foundations and competencies in mathematics, probability theory and statistics, scientific computing, and data modelling. In particular, the students learn the following through courses offered by the Mathematics Department and the Department of Information Systems and Computer Science:

- Contemporary Databases
- Computer modelling and simulation
- Artificial intelligence
- Business intelligence
- Theory of interest
- Operations research
- Data analysis statistical inference
- Regression analysis
- Time series and forecasting
- Elementary calculus, advanced calculus and real analysis
- Linear algebra, finite mathematics and probability theory
- Ordinary differential equations
- Numerical analysis
- Computing and scientific programming
- Other topics in mathematical analysis: Complex analysis and Partial differential equations

In addition, electives and required courses in economics and physics broaden the students' exposure to related fields; while an undergraduate research project allows the students to showcase and apply their learned knowledge and skills in an area of their choice.

The master's program provides further specialization in data science with strong emphasis on mathematical rigor. In particular, the students become familiar with the following areas/topics:

- Data mining
- Database programming
- Data visualization
- Pattern recognition
- Big data processing
- Advanced statistical methods

- Stochastic models
- Mathematical Analysis
- Coding theory, Graph theory and Cryptography

Aside from these courses, an essential part of the master’s program is the capstone project. This part of the curriculum aims to provide the students with the opportunity to apply the theories that they learned in the classroom and possibly meaningfully assist a partner community or institution in addressing real-life problems.

Through the BS AMDSc – M DSc Program, the partnership of the Mathematics Department and the Department of Information Systems and Computer Science aims to produce a new generation of professionals who can steer the country towards developing more sophisticated technologies, and adopting sound and efficient policies through their savvy in data analytics.

### *Program Learning Outcomes*

1. Demonstrate broad and coherent knowledge and understanding in the core areas of mathematics and allied fields.
2. Demonstrate skills in pattern recognition, generalization, abstraction, critical analysis, synthesis, problem solving and rigorous argument.
3. Demonstrate proficiency in reading and writing mathematical proofs.
4. Interpret scientific, economic, and market data in order to arrive at critical judgements that include reflection on relevant scientific and ethical issues.
5. Implement basic mathematical, statistical, and computational methods in data analysis and problem solving.
6. Communicate, both orally and in writing, information, ideas, and solutions to problems, to other scientists, decision makers, and the public.
7. Understand the limitations and implications of mathematical models as applied in real-life contexts.
8. Collaborate in research and development projects.
9. Develop creativity, rigor, and discipline in dealing with various mathematical problems.
10. Analyze data from a variety of domains ranging from Internet social networks and applications, to natural language and sensor data.
11. Apply a variety of data mining techniques for modeling data sets, handling incomplete and erroneous data, and automatically predicting and classifying elements in a dataset.
12. Apply big data processing and cloud computing techniques to address the scalability challenges of very large datasets.
13. Complete a capstone project for a partner institution that requires the creation of mathematical models and the use of appropriate technologies to carry out computations.

<u>First Semester</u>		<b>FIRST YEAR</b>			
		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 71.1	Fundamentals of Computing I	3	MATH 31.2	Mathematical Analysis 1B	3
SocSc 11	Understanding the Self	3	NatSc 10.01	Natural Science, Lecture	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.02	Natural Science, Laboratory	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3

PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

#### SECOND YEAR

<u>Intersession</u>		<u>Units</u>			
MATH 51.1	Discrete Mathematics	3			
FLC 11	Foreign Language and Culture 11	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
MATH 31.3	Mathematical Analysis II	3	MATH 31.4	Mathematical Analysis III	3
CSCI 112	Contemporary Databases	3	MATH 40.1	Linear Algebra	3
PHYS 23.01	University Physics I, Lecture	3	MATH 61.2	Elementary Probability Theory	3
PHYS 23.02	University Physics I, Laboratory	2	CSCI 115	Computer Simulation and Modeling	3
HISTO 12	Readings in Philippine History	3	THEO 12	Theology of the Catholic Social Vision	3
PHILO 11	Philosophy: The Human Condition	3	IE 1	Interdisciplinary Elective 1 – English	3
SocSc 12	The Contemporary World	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20(2)	TOTAL		18(5)

#### THIRD YEAR

<u>Intersession</u>		<u>Units</u>			
MATH 55.1	Fundamental Concepts of Mathematics	3			
ECON 110	Principles of Economics	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
MATH 62.1	Introduction to Statistical Theory	3	MATH 62.2	Time Series and Forecasting	3
MATH 90.1	Advanced Calculus I	3	MATH 72.1	Ordinary Differential Equations	3
MATH 101.6	Theory of Interest	3	MATH 192	Undergraduate Research Seminar	1
MATHEMATICS ELECTIVE	Mathematics Elective	3	CSCI 113	Business Intelligence	3
CSCI 111	Introduction to Artificial Intelligence	3	PHILO 13	Ethics	3
PHILO 12	Philosophy of Religion	3	SocSc 13	The Economy, Society, and Sustainable Development	3
	TOTAL	18(0)	THEO 13	A Theology of Marriage, Family, and Vocation	3
			NSTP 12	National Service Training Program 12	(3)
			TOTAL		19(3)

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ArtAp 10	Art Appreciation	3			
FREE ELECTIVE	Free Elective	3			
	TOTAL	6(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
MATH 71.3	Scientific Computing I	3	MATH 71.4	Scientific Computing II	3
MATH 91.1	Real Analysis I	3	MATH 102.1	Topics in Operations Research	3
MATH 199.11	Undergraduate Research in Applied Mathematics I	2	MATH 199.12	Undergraduate Research in Applied Mathematics II	2

STS 10	Science, Technology, and Society	3	MATHEMATICS ELECTIVE	Mathematics Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	MSYS 121	Applied Digital Law and Ethics	3
IE 2	Interdisciplinary Elective 2	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	20(0)		TOTAL	20(0)

#### FIFTH YEAR

##### Intercession

MATH 271.2	Advanced Statistical Methods	3
CSCI 217	Data Visualization	3
	TOTAL	6(0)

##### Units

##### First Semester

MATH 236.3	Topics in Stochastic Calculus	3
MATH GRAD ELECTIVE	Mathematics Grad Elective	3
CSCI 205	Programming with Databases	3
CSCI 214	Special Topics in Software Engineering: Pattern Recognition	3
CSCI 298.5	Data Science Project I	3
	TOTAL	15(0)

##### Units second Semester

MATH GRAD ELECTIVE	Mathematics Grad Elective	3
CSCI 271	Data Mining	3
CSCI 273	Big Data Processing	3
CSCI 298.6	Data Science Project II	3
	TOTAL	15(0)

Total Number of Academic Units: 206(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### MATH 1.1

#### PREPARATION FOR COLLEGE MATHEMATICS I

3 units

This course aims to develop basic mathematics competencies so that students may be able to use mathematics in day-to-day decision-making and functioning. It covers the real number system and operations, ratio and proportion, and variables and equations. Multiple representations of mathematical operations and relationships between variables are discussed to provide the students with more than one way of solving mathematical problems. The use of technology, like calculators and computers, is also highlighted.

### MATH 1.2

#### PREPARATION FOR COLLEGE MATHEMATICS II

3 units

Prerequisite: MATH 1.1

This course aims to provide students with the basic foundational knowledge of statistics. It discusses the tools of descriptive statistics (measures of central tendency, dispersion and position) and basic probability concepts. It prepares the students for the level of statistics required of the course Mathematics in the Modern World, for the use of quantitative methods in future research work, and for making decisions involving chance.



MATH 2  
PREPARATORY COURSE TO CALCULUS

0 units

MATH 2 is a non-credit bridging course for students who need to strengthen their knowledge of pre-calculus or who have insufficient mathematics background necessary for succeeding calculus courses. Topics include solutions of equations and inequalities, graphs of conic sections, and functions such as linear, quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions.

MATH 21  
UNIVERSITY PRECALCULUS

3 units

MATH 21 is a 3-unit course that aims to prepare students for succeeding calculus courses. Topics include solutions of equations and inequalities, conic sections and functions such as linear, quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions.

MATH 30.13  
APPLIED CALCULUS FOR BUSINESS AND ECONOMICS I

3 units

Prerequisite: MATH 21 for AB EC, AB MEC and BS ITE

MATH 30.13 and MATH 30.14 are two 3-unit courses on calculus taken by business and economics students. The two courses may be taken consecutively in one semester. Topics in MATH 30.13 include limits, continuity and derivatives of functions of one variable.

MATH 30.14  
APPLIED CALCULUS FOR BUSINESS AND ECONOMICS II

3 units

Prerequisite: MATH 30.13

MATH 30.13 and MATH 30.14 are two 3-unit courses on calculus taken by business and economics students. The two courses may be taken consecutively in one semester. Topics in MATH 30.14 include integrals of functions of one variable and calculus of functions of several variables.

MATH 30.23  
APPLIED CALCULUS FOR SCIENCE AND ENGINEERING I

3 units

Prerequisite: MATH 21 for programs required to take MATH 21

This course is the first of two courses on calculus taken by science and engineering students. Topics include limits and continuity of functions of one variable, derivative of function of one variable, rules of differentiation and applications in solving optimization and related rates problems, antiderivative and definite integral of function of one variable, improper integrals, sequences of real numbers, series of constant terms, and power series.

MATH 30.24  
APPLIED CALCULUS FOR SCIENCE AND ENGINEERING II

3 units

Prerequisite: MATH 30.23

This course is the second of two courses on calculus taken by science and engineering students. Topics include calculus of several variables and vector calculus.

MATH 30.33  
APPLIED CALCULUS FOR LIFE SCIENCES I

3 units

Prerequisite: MATH 21 for programs required to take MATH 21

MATH 30.33 is a 3-unit course designed to introduce students to basic trigonometry and differential calculus and provide them with techniques for solving practical problems involving functions that model real-life

situations within the realm of life and environmental sciences. Topics taken include trigonometry, limits, differentiation and its applications.

#### MATH 30.34

##### APPLIED CALCULUS FOR LIFE SCIENCES II

3 units

Prerequisite: MATH 30.33

MATH 30.34 is the second in a series of two 3-unit calculus courses taken primarily by majors of B.S. Environmental Science and related programs. The course introduces the student to integral calculus and multivariable calculus and their applications such as area, net change and optimization. There is strong emphasis on applications to life sciences. Topics include integration, area, functions of several variables, and applications to optimization.

#### MATH 31.1

##### MATHEMATICAL ANALYSIS 1A

3 units

Prerequisite: MATH 21, if required in the program

The course is the first of two on the calculus of functions of a single variable. The course starts with a discussion of functions and its graphs. Then it proceeds to a discussion of limits and continuity for functions of one variable, the derivative of a function of one variable, rules of differentiation, and its applications in solving optimization problems, in sketching the graph of a function, and in simple root-finding algorithms. The course also places emphasis on the formal mathematical statements, proofs, and the applications of the definitions and theorems tackled.

#### MATH 31.2

##### MATHEMATICAL ANALYSIS 1B

3 units

Prerequisite: MATH 31.1

The course is the second of two on the calculus of functions of a single variable. Its main focus is the Riemann integral of functions, its connection with the derivative via the Fundamental Theorem of Calculus, and the applications of integrals to lengths, areas, volumes. Various applications to economics, physics, and biology and other areas of science are also discussed. The course also places emphasis on the formal mathematical statements, proofs, and the applications of the definitions and theorems tackled.

#### MATH 31.3

##### MATHEMATICAL ANALYSIS II

3 units

Prerequisite: MATH 31.2

This course is the third of a series of calculus courses. The major topics covered in the course are indeterminate forms and L'Hospital's Rule, improper integrals, sequences and series of numbers, power series, and calculus of functions of two or more variables.

#### MATH 31.4

##### MATHEMATICAL ANALYSIS III

3 units

Prerequisite: MATH 31.3

This is the last of a series of courses in elementary calculus taken by math majors. The major topics covered in this course are vectors in the plane and in space, vector-valued functions, and the calculus of vector fields.

#### MATH 40.1

##### LINEAR ALGEBRA

3 units

Prerequisite: MATH 31.3

The course is an introduction to linear algebra covering matrices, vector spaces, inner product spaces, linear transformations, determinants, and eigenvalues. Applications include least squares approximation and curving-fitting, polynomial interpolation, and computer graphics.

#### MATH 40.2

##### ADVANCED LINEAR ALGEBRA

3 units

Prerequisite: MATH 80.1

The course covers advanced topics in Linear Algebra, focusing on Module Theory: introduction to modules and module homomorphisms, generation of modules, direct sums and free modules, tensor products of modules, exact sequences, matrix of a linear transformation, dual vector spaces, determinants, tensor algebras, symmetric and exterior algebras, modules over principal ideal domains.

#### MATH 40.3

##### MATRIX ANALYSIS

3 units

Prerequisite: MATH 40.1

Matrix Analysis may be described as that part of mathematics which blends linear algebra techniques with those of mathematical analysis. The primary topics this course covers are roughly: Gaussian Elimination, Issues of Algorithmic Sensitivity, Orthogonal Matrices and Orthonormality, Eigenvalues and Eigenvectors, and the Singular Value Decomposition.

#### MATH 40.4

##### LINEAR ALGEBRA FOR GAMES PROGRAMMING

3 units

This course is an introduction to linear algebra with emphasis on applications for computer graphics and games programming. The theory part covers the algebra of matrices, vector spaces, inner product spaces, and linear transformations. Applications include projection matrices, rotators, reflectors, homogeneous coordinates and perspective projections.

#### MATH 50.1

##### ELEMENTARY NUMBER THEORY

3 units

This course is an introduction to the fundamental concepts of number theory that are essential in higher areas of Mathematics. Topics include integers and divisibility, primes and factorization, Diophantine equations, congruences, the Chinese remainder theorem, quadratic residues, and the quadratic reciprocity law. Several theorems and algorithms are applied to solve computational problems and to derive and prove generalizations.

#### MATH 50.2

##### SECOND COURSE ON NUMBER THEORY

3 units

Prerequisites: MATH 40.1, MATH 50.1

This course lays the foundation for undergraduate Algebraic Number Theory. The course covers the following topics: Field of algebraic numbers, rings of integers of number fields, cubic and quadratic fields, ideals, unique factorization domains and principal ideal domains, splitting of primes, the class group.

#### MATH 51.1

##### DISCRETE MATHEMATICS I

3 units

This course is a 3-unit course taken primarily by math majors. The aim is to introduce them to topics in number theory and combinatorics, namely, fundamental principles of counting, symbolic logic, number theory, the principle of inclusion and exclusion, generating functions, and recurrence relations.

MATH 51.2  
DISCRETE MATHEMATICS II

3 units

Prerequisite: MATH 51.1

MATH 51.2 is a 3-unit course taken primarily by BS Math students to introduce them to other topics in discrete mathematics such as relations and graph theory. A survey of problem solving algorithms is also explored.

MATH 51.3  
MATH FOR COMPUTER SCIENCE I

3 units

This is a 3-unit course taken primarily by Computer Science majors. It serves as an introduction to discrete mathematics with a focus on its application to computer science. Topics include (1) propositional logic, (2) proofs, (3) number theory and (4) combinatorics.

MATH 51.4  
MATH FOR COMPUTER SCIENCE II

3 units

Prerequisite: MATH 51.3

This is a 3-unit course that extends the content taken up in MATH 51.3. The first part of this course deepens the discrete structures taken up by the students in other courses; namely, recurrence relations, matrices, graphs and trees. The second part focuses on algorithmic strategies which include brute force and greedy algorithm, recursive backtracking, and dynamic programming.

MATH 52.1  
COMBINATORIAL MATHEMATICS

3 units

Combinatorics is concerned with the study of arrangements, patterns, designs and configurations. The techniques of combinatorics have far-reaching applications in computer-science, information processing, management science, electrical engineering, coding and communications, experimental design, genetics, chemistry, and even political science.

MATH 52.2  
COMBINATORIAL DESIGNS

3 units

This course introduces the student to Combinatorial Design Theory which is the study of arranging elements of a finite set into patterns (subsets, arrays) according to specified rules. The course aims to present some of the basic concepts of block designs, emphasizing in particular the methods of constructing new designs. Moreover, it also introduces other combinatorial structures such as Latin squares and difference sets. Topics in this course include symmetric designs, resolvable designs, Hadamard matrices, Latin squares, difference sets and codes.

MATH 52.3  
GAME THEORY

3 units

Prerequisites: MATH 30.13, MATH 30.14 or equivalent

This course covers the following topics: theory of matrix game; the minimax theorem for finite and continuous games; games in extensive form; the connection between game theory and linear programming; introduction to games against nature. As an extension of its present scope, and based on recent developments of the topic, this course further covers evolutionary games. Evolutionary game theory merges the concepts of Darwin's natural selection with classical game theory, and has been applied in explaining the emergence of cooperation in ecological contexts.

MATH 52.5  
GROUPS AND DESIGNS

3 units

This is a course on permutation groups, designs and other combinatorial structures. The student must have a reasonable knowledge of abstract algebra, linear algebra, and combinatorics. A background on classical geometry is an advantage. Topics in this course include permutation groups, transitive groups, primitive groups, finite geometries, designs, automorphisms of designs, Hadamard matrices and designs.

MATH 53.1  
GRAPH THEORY I

3 units

This course offers basic introduction to graphs (directed and undirected) and networks. Topics include paths and circuits (Eulerian and Hamiltonian), connectedness, graph isomorphism, trees and fundamental circuits, adjacency and incidence matrices, matchings and covers, vertex/edge coloring and connectivity, planar graphs and duality.

MATH 53.2  
GRAPH THEORY II

3 units

This is a course on applications of graphs and networks covering both standard network optimization problems involving distance, time and flow as well as heuristic solutions to network problems. Newer applications involving the notion of centrality and the concept of Voronoi diagrams are also tackled.

MATH 54.1  
INTRODUCTION TO CODING THEORY

3 units

Prerequisite: MATH 40.1

This course is an introduction to Coding Theory discusses the basic definitions and concentrates on linear and cyclic codes. Properties of these codes are given and so are the more popular bounds such as the sphere-packing, Greisner, singleton and Gilbert-Varshamov bounds. Particular codes and families of codes like the Reed-Muller, Hamming, Golay, Bose-Chaudhuri-Mesner, and quadratic residue codes are likewise defined and characterized. The subject ends with a brief introduction to lattice-theory and its relationship to self-dual codes.

MATH 54.2  
PRINCIPLES IN CRYPTOGRAPHY

3 units

Prerequisites: MATH 40.1, MATH 50.1, MATH 80.1

In electronic data communication, two of the major concerns are data integrity and data security; coding addresses the first concern, while cryptography addresses the other. The coding portion of the course introduces the theory of error-correcting codes and discusses various families of error-correcting codes. The cryptography portion surveys the principles of network security and discusses classical, conventional, and public-key encryption algorithms.

MATH 55.1  
FUNDAMENTAL CONCEPTS OF MATHEMATICS

3 units

The course is on fundamental concepts of mathematics. Its main focus is mathematical logic, sets, methods of proof, equivalence relations, functions, sets with structures and operations, and concrete realizations of sets with structures. The course also places emphasis on the formal mathematical statements, proofs, and the applications of the definitions and theorems tackled. Moreover, it provides a few organizing principles to the many mathematical knowledge previously learned by the students.

#### MATH 55.4

##### HISTORY OF MATHEMATICS

3 units

Prerequisites: MATH 80.1, MATH 90.1

This course is designed as an introduction and invitation to higher mathematics. The central topics are: abstract mathematical structures from algebra, geometry, and analysis; the axiomatic approach; and the foundations of set theory. These concepts are then applied to develop a system of hyperreal numbers which serves as an alternative foundation for the Calculus. Throughout the course, emphasis is placed on the context and intuitive development of the abstract ideas.

#### MATH 55.5

##### PROBLEM SOLVING TECHNIQUES

3 units

Prerequisite: Recommendation by previous math teachers based on performance and motivation

This course is about mathematical problem solving. It introduces the different levels of problem solving and the strategies for investigation. Fundamental tactics in solving, such as looking for a pattern, working backwards, solving a simpler problem, parity, pigeonhole principle, mathematical induction, symmetry, extreme principle, and invariants are covered. Special topics in Graph Theory, Combinatorics and Geometry are discussed, as well as Fermat's Last Theorem and various types of problems in mathematics competitions such as Putnam, Asia-Pacific Mathematics Olympiad, and the International Mathematical Olympiad.

#### MATH 55.6

##### METHODS OF PROOF

3 units

This is a course on construction of mathematical proofs. The course provides the tools and techniques used to prove mathematical theorems and to prepare students in writing correct mathematical proofs. Topics include an introduction to mathematical logic, common strategies used in proving theorems, and some mathematical concepts to illustrate mathematical proofs.

#### MATH 60.1

##### STATISTICS FOR LIFE SCIENCES

3 units

This is an applied statistics course taken by majors in life and environmental sciences. The first half of the course introduces the students to the basics of descriptive statistics and probability theory. The latter part of the course deals with the necessary statistical methods needed in biological sciences such as confidence intervals, hypothesis testing, goodness-of-fit test, analysis of variance, and regression analysis. The software R is used for statistical computing.

#### MATH 60.2

##### INTRODUCTION TO STATISTICAL ANALYSIS

3 units

Prerequisite: MATH 30.23

This is a course that includes descriptive statistics, elementary probability theory and applications, sampling theory and applications, estimation and hypothesis testing, regression and correlation analysis, and analysis of variance.

#### MATH 61.1

##### ELEMENTARY PROBABILITY THEORY FOR ENGINEERS

3 units

Prerequisite: MATH 31.3

The course introduces to students basic probability theory, combinatorial methods, the concept of discrete and continuous random variables and their probability distributions, the concept of mathematical expectation, some probability distributions with special names, the moments and moment-generating

functions of random variables, obtaining the probability distribution of functions of random variables, and their applications to engineering problems.

#### MATH 61.2

##### ELEMENTARY PROBABILITY THEORY

3 units

Prerequisite: MATH 31.3

This is a three-unit course designed to introduce the concepts and techniques of probability modelling to areas such as operations research, financial mathematics, dynamical systems, and statistics. It focuses on techniques and methodologies towards a better understanding of inferential statistics through distribution theory. Topics such as conditional probability, random variables and distributions, and mathematical expectations are discussed.

#### MATH 61.3

##### ADVANCED PROBABILITY AND MARTINGALES

3 units

Prerequisite: MATH 61.2

The course proves important results such as Kolmogorov's Law of Large Numbers and the Three - Series Theorem by martingale techniques, and the Central Limit Theorem via the use of characteristic functions. It assumes certain key results from measure theory.

#### MATH 62.1

##### INTRODUCTION TO STATISTICAL THEORY

3 units

Prerequisite: MATH 61.2

This is a 3-unit course that aims to provide a rigorous introduction to the mathematics and practice of (parametric) statistical inference. It assumes that students have sufficient background in elementary calculus, elementary probability theory, and linear algebra. Topics in estimation, hypothesis testing, analysis of variance, simple linear regression, and goodness of fit tests are discussed.

#### MATH 62.2

##### TIME SERIES AND FORECASTING

3 units

Prerequisites: MATH 40.1, MATH 62.1

This course provides a rigorous introduction to the basic concepts and techniques of time series and forecasting. Prerequisites to this course include mathematical statistics (MATH 62.1) and linear algebra (MATH 40.1). Topics include multivariate normal distribution, distribution of quadratic forms, multiple regression model, analysis-of-variance models, stationary process and autoregressive moving average models. Procedures in popular statistical software (SAS or R) shall be used for the analysis of real-life forecasting problems.

#### MATH 62.4

##### STATISTICAL METHODS

3 units

Prerequisites: MATH 61.2, MATH 62.1

This course, delivered in three parts, tackles statistical methods that are used in a variety of financial situations. The first part discusses topics in multivariate statistical analysis, specifically principal component analysis, factor analysis, and cluster analysis. The second part involves the statistical techniques used in building credit scorecards and modelling credit risk. The third part covers the statistical methods used to model the distribution of operational risk exposures.

#### MATH 62.5

##### REGRESSION ANALYSIS

3 units

Prerequisites: MATH 40.1, MATH 62.1

Topics such as projection theory in vector spaces, distribution of random vectors and quadratic forms, general linear model (full column rank), and remedial measures are discussed. All computations are done using R. It is important to note that regression analysis is one of the basic statistical modeling techniques. Many advanced models in practice such as logistic regression, spatial modeling, and time series analysis assume a strong background of regression analysis.

MATH 70.1

NUMERICAL METHODS FOR SCIENCE AND ENGINEERING

3 units

Prerequisites: MATH 31.1, MATH 31.2

This is a course on numerical methods for science and engineering students. Topics include matrix operations, determinants of matrices, solutions of linear systems using matrices, and root-finding methods for nonlinear equations.

MATH 71.1

FUNDAMENTALS OF COMPUTING I

3 units

This course provides an introduction to computer programming through the use of the Python programming language, MS Excel and VBA. The course covers introduction to computers, recursion, abstract data types, programming interfaces, In-class lectures and discussions are supplemented by computer hands-on sessions.

MATH 71.2

FUNDAMENTALS OF COMPUTING II

3 units

Prerequisite: MATH 71.1

This course is a continuation of MATH 71.1; the course introduces other programming languages and software. The course also covers the fundamentals of object-oriented programming (OOP) and basic data structures.

MATH 71.3

SCIENTIFIC COMPUTING I

3 units

Prerequisite: MATH 40.1

This is a survey course on the mathematics of scientific computing, emphasizing the numerical solution to linear systems, least-squares problem, least-norm problem, matrix factorizations, sensitivity and conditioning, root finding in of nonlinear functions in one and several variables, unconstrained optimization, and nonlinear least-norm problem.

MATH 71.4

SCIENTIFIC COMPUTING II

3 units

Prerequisite: MATH 71.3

The first part of the course deals with the numerical solution to deterministic ordinary and partial differential equations. The main algorithm that is employed is the spectral collocation method. The second part, on the other hand, deals with stochastic simulations to approximate deterministic and stochastic integrals using Monte Carlo methods. Some properties of these methods are discussed. The above methods are illustrated using problems in Financial Mathematics.

MATH 72.1

ORDINARY DIFFERENTIAL EQUATIONS

3 units

Prerequisites: MATH 31.4, MATH 40.1



This course is an introduction to the theory of ordinary differential equations and dynamical systems. The tools for both the quantitative and qualitative analyses of ordinary differential equations are presented. The first part focuses on some classical methods of solving ordinary differential equations, including Laplace Transforms. The second part presents some tools for qualitative analysis such as phase portrait of autonomous systems, linearization at a fixed point and stability analysis of equilibrium solutions. Mathematical models using ordinary differential equations in economics, physics, engineering and other areas are used to illustrate the applications of these concepts.

MATH 72.2

PARTIAL DIFFERENTIAL EQUATIONS

3 units

Prerequisite: MATH 72.1

This course is an introduction to partial differential equations with applications in financial mathematics and other areas. The relevant topics included are Fourier series, separation of variables, Fourier transform, Black-Scholes partial differential equation, and the Black-Scholes formula.

MATH 72.5

NONLINEAR DYNAMICAL SYSTEMS

3 units

Prerequisite: MATH 72.1

This course introduces and studies the basic concepts and ideas in the Theory of Dynamical Systems. A dynamical system is a pair consisting of a set of states and a mapping of this set to itself satisfying a condition that encodes the idea of determinacy, that is, a past state determining all future states. This definition includes a model of phenomena common to biological and physical systems, and the theory seeks to find and introduce unifying ideas or laws that should prove useful to science and mathematics.

MATH 80.1

FUNDAMENTAL CONCEPTS OF ALGEBRA

3 units

Prerequisite: MATH 31.3

This is a 3-unit course on an introduction to abstract algebra. Topics include groups, subgroups, cyclic groups, permutation groups, isomorphisms, normal subgroups, factor groups, direct products, rings, integral domains and fields.

MATH 80.2

INTRODUCTION TO GALOIS THEORY

3 units

Prerequisite: MATH 80.1

This is a 3-unit course for mathematics majors and the second undergraduate course in abstract algebra. Topics revolve around algebraic structures beyond groups, such as rings, fields and ideals in the undergraduate level. Solutions of polynomial equations in terms of algebraic structures are studied. The highlight of the course is the discussion on Galois groups and the Galois correspondence and the Fundamental Theorem of Galois Theory.

MATH 80.3

TOPICS FROM ALGEBRA I

3 units

Prerequisite: MATH 31.3

This is a 3-unit course on introductory group theory and some special topics. Isometries in  $\mathbb{R}$ ,  $\mathbb{R}^2$ , and  $\mathbb{R}^3$ , dihedral and symmetry groups, rotation groups, frieze groups, and crystallographic groups, symmetry and counting are discussed.

MATH 80.4

TOPICS FROM ALGEBRA II

3 units

Prerequisite: MATH 80.1

This 3-unit course is an introduction to the representation theory and character theory of finite groups. Topics in representation theory include linear actions and modules over group rings, Wedderburn's Theorem and some consequences, Maschke's Theorem. Topics in character theory include Schur's Lemma, inner products of characters, character tables and orthogonality relations, lifted characters, number of irreducible characters, inner products of characters, restriction to a subgroup, induced modules and characters.

MATH 80.7

FINITE PERMUTATION GROUPS

3 units

Prerequisite: MATH 80.1

The objective of this course is to introduce the students to the development of permutation groups, explaining the motivation for various problems and their solutions. Both finite and infinite groups are considered. Permutation groups play an important role in modern group theory; both finite and infinite permutation groups continue to be interesting topics of research. Through this course, the department intends to include as many topics indicative of the current development of the subject hoping the students are motivated to explore possible areas of research.

MATH 81.1

MODERN GEOMETRY I

3 units

Prerequisite: MATH 40.1

This is a 3-unit course taken by BS Mathematics majors. This course exposes students to other types of geometries beyond Euclidean geometry. This course recalls Euclidean geometry, explains the consequences of the parallel postulate, and then proceeds to the discussion of hyperbolic (Lobachevskian), and elliptic geometries, finite geometries, projective geometries, and transformation geometry. The geometric concepts are studied through the axiomatic method and using synthetic/coordinate geometry. Emphasis is given to studying and formulating geometric proofs. Attention is given to the modern alliance of geometry with linear and abstract algebra. The approaches to the study of modern geometries are supported with technology. Geometric constructions and explorations are carried out via dynamic geometry software, interactive websites and other technological tools. The applications of modern geometry are presented. Some examples are Escher tilings, Celtic knotwork, polyhedra sculptures, spherical and hyperbolic designs, physical and crystal structures, tilings and honeycombs. Current developments in the area and possible research topics in the undergraduate level for projects and collaborative work are also discussed.

MATH 81.2

MODERN GEOMETRY II

3 units

Prerequisites: MATH 80.1, MATH 81.1

The course covers the following topics: notions of points, lines, the concept of parallelism, polygons and congruence in Hyperbolic space. It also discusses the notions of groups specifically hyperbolic symmetry groups and special problems leading to research in Hyperbolic geometry. It uses the Geometer's sketchpad and Java applets to investigate the notions in Hyperbolic Space.

MATH 81.3

FINITE GEOMETRY

3 units

Prerequisite: MATH 80.1

This course is designed for math majors who wish to learn about finite geometries and/or use it in other areas in combinatorics. It is also an introductory course for those who wish to do research in finite geometries. The aim of the course is to present the basic concepts of finite geometries and to expose the students to the different finite incidence structures. Topics in this course include Finite Incidence Structures, Affine Geometry, Projective Geometry, Generalized Quadrangles, Designs and Permutation Groups.

MATH 90.1  
ADVANCED CALCULUS I

3 units

Prerequisite: MATH 31.4

This is the first higher analysis course taken by a mathematics major. It is a preparation for courses such as real analysis, topology, measure theory, stochastic calculus, and advanced probability theory. The course covers basic properties of real numbers and functions on the set of real numbers, as well as integration theory.

MATH 90.2  
ADVANCED CALCULUS II

3 units

Prerequisite: MATH 90.1

MATH 90.2 is the second of two courses in advanced calculus taken by BS Math and BS/M AMF majors. Specifically, the course discusses metric spaces, differentiation in  $\mathbb{R}^n$ , integration in  $\mathbb{R}^n$ , and the Riemann-Stieltjes integral and functions of bounded variation.

MATH 91.1  
REAL ANALYSIS I

3 units

Prerequisite: MATH 90.1

The course discusses the basic concepts and theorems in real analysis, in particular Lebesgue integration theory. These include sigma algebras, measure, measurable sets, measurable functions, Lebesgue integral, and the  $L_p$  spaces.

MATH 91.7  
INTEGRATION THEORY

3 units

Prerequisite: MATH 91.1

This course is a survey of the different integrals studied in real analysis — Riemann, Lebesgue, and Henstock. Focus is on Henstock. Topics include definitions of the stated integrals and their properties, convergence theorem, and the Stieltjes integrals.

MATH 92.1  
COMPLEX ANALYSIS I

3 units

Prerequisite: MATH 90.1

The study of complex numbers and their properties is known as complex analysis. Extending the real number system to the complex number system, this course discusses the basic concepts, fundamental theorems, and some applications of complex numbers. At the end of the course, the students should be able to (1) apply the arithmetic and algebraic properties of complex numbers to problems in algebra and geometry of real numbers, and (2) to solve algebraic and calculus problems using tools in complex analysis.

MATH 93.1  
INTRODUCTION TO TOPOLOGY

3 units

Prerequisite: MATH 90.1

This course is concerned with the study of topological structures and their applications in other areas of mathematics. The major topics covered are topological spaces, metric spaces, continuous functions, connectedness and compactness.

MATH 100.1  
TOPICS IN FINANCIAL MATH I

3 units

This course introduces the students to the mathematics of financial markets. Topics include interest rates, bond pricing, portfolio risk-return analysis using efficient frontier and the capital asset pricing model (CAPM).

#### MATH 100.2

##### TOPICS IN FINANCIAL MATH II

3 units

This course is an introduction to financial derivatives and risk management. Financial derivatives such as forward rate agreements (FRA), and forward contracts on stocks, currencies and bonds are discussed. Value-at-Risk (VaR) as a tool for measuring market risk in portfolios of traditional securities is also presented.

#### MATH 100.4

##### INTRODUCTION TO FINANCIAL RISK MANAGEMENT

3 units

This course offers an overview of the basic principles of financial risk management. It clarifies the meaning of risk and risk aversion and explores the steps in the risk management process: identifying and assessing risks, selecting techniques for risk management, and implementing and revising risk management decisions. Topics include risk and economic decisions, risk assessment, selection of risk management techniques, value-at-risk, portfolio theory, standard deviation as a measure of risk, credit risk, and credit derivatives.

#### MATH 100.5

##### MATHEMATICS OF FINANCE AND ECONOMICS

3 units

Using a mathematical treatment, this course introduces students to selected topics in finance and economics such as the theory of interest rates, valuation of annuities and debt repayment, bond pricing, and investment analysis.

#### MATH 100.6

##### FINANCIAL DERIVATIVES

3 units

Prerequisite: MATH 101.6

This course introduces the concept of financial derivatives and models for the valuation of financial derivatives. Derivative instruments discussed in this course include futures, forward contracts, swaps, credit derivatives, and options.

#### MATH 100.7

##### STOCHASTIC CALCULUS FOR FINANCE

3 units

Prerequisites: MATH 61.2, MATH 91.1

This course is an introduction to stochastic modelling, stochastic calculus, and techniques from stochastic analysis. Topics include the Cox-Ross-Rubinstein model, Brownian motion, Ito's Lemma, solution of stochastic differential equations, martingale techniques, and advanced numerical methods. Results are applied to the general theory of no-arbitrage valuation and the Black-Scholes model.

#### MATH 101.3

##### TOPICS IN ACTUARIAL MATHEMATICS I

3 units

Prerequisite: MATH 31.3

This course provides an introduction to the mathematics of life insurance. Students learn to use life tables for evaluating future lifetime at age  $x$ , analyzing mortality patterns, and calculating benefit premiums and reserves. Survival functions are used to illustrate actuarial concepts and formulas. Various life insurance products are explained and then used for illustration of the basic principles of life insurance (e.g. Life Annuities, Net Premiums, and Benefit Reserves).

MATH 101.4  
TOPICS IN ACTUARIAL MATHEMATICS II

3 units

Prerequisite: MATH 101.3

This course is a continuation of Actuarial Mathematics I. Discussion of Individual Life Insurance Model is extended to include operational and business constraints such as expenses, accounting requirements, and the impact of contract terminations. Actuarial concepts are also used to define actuarial present values, benefit and contract premiums, and benefit reserves for selected special insurance plans.

MATH 101.5  
RISK THEORY FOR INSURANCE

3 units

Prerequisites: MATH 31.3, MATH 61.2

The first part of the course discusses two main ideas: that random events can disrupt the plans of decision makers, and that insurance systems are developed and designed to reduce the impact and the adverse financial effects of these events. Individual and collective risk models are introduced. Models for both single policies, and a portfolio of policies are developed. These ideas are then extended to collective risk models, with respect to single-period, as well as continuous-time considerations. An overview of the applications of risk theory to insurance models is also discussed.

MATH 101.6  
THEORY OF INTEREST

3 units

This course is an introduction to the underlying formulas and theory regarding interest and interest rates and how they are used in financial calculations. Topics include the measurement of interest, equations of value, basic and general annuities, investments and yields, loan amortization and sinking funds, and bond pricing.

MATH 102.1  
TOPICS IN OPERATIONS RESEARCH

3 units

Prerequisites: MATH 40.1, MATH 61.2

Operations Research (OR) consists of the application of mathematical methods to the optimization of decision-making in organizations. This course covers several areas of OR and the algorithms and solution procedures for problems in these areas, together with their mathematical justification and appropriate software.

MATH 192  
UNDERGRADUATE RESEARCH SEMINAR

1 unit

Prerequisite: MATH 31.3

The course introduces the students to mathematical research and thesis writing. From choosing a topic to writing and presenting a proposal, from scratch work to typography, from related literature to research ethics, from thesis writing to thesis presentation, and from presentation of results in a conference to writing a paper for publication, all these are studied, discussed, and evaluated in this course.

MATH 199.1  
UNDERGRADUATE RESEARCH IN MATHEMATICS I

2 units

Prerequisite: MATH 192

This is the first of two research courses where the student (or group of students) is guided by an adviser towards the formulation of a thesis or project proposal and the collection of preliminary results and materials. In this course, students are expected to finalize their research topic, prepare and present a research proposal, and commence a review of literature related to their chosen topic.

MATH 199.2  
UNDERGRADUATE RESEARCH IN MATHEMATICS II  
2 units

Prerequisite: MATH 199.1

This is the second of two research courses in which the student (or group of students) is guided towards the production and presentation of a final written output based on their progress in MA196.2. The required final output is a paper in thesis form that follows the format defined by the Department of Mathematics. Students are also required to present the results of their study to a panel of faculty members of the Department.

MATH 199.11  
UNDERGRADUATE RESEARCH IN APPLIED MATHEMATICS I  
2 units

Prerequisite: MATH 192

This is the first of two research courses where the student (or group of students) is guided by an adviser towards the formulation of a thesis or project proposal and the collection of preliminary results and materials. In this course, students are expected to finalize their research topic, prepare and present a research proposal, and commence a review of literature related to their chosen topic.

MATH 199.12  
UNDERGRADUATE RESEARCH IN APPLIED MATHEMATICS II  
2 units

Prerequisite: MATH 199.11

This is the second of two research courses in which the student (or group of students) is guided towards the production and presentation of a final written output based on their progress in MATH 199.11. The required final output is a paper in thesis form that follows the format defined by the Mathematics Department. Students are also required to present the results of their study to a panel of faculty members of the Department.

# PHYSICS

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[physics.sose@admu.edu](mailto:physics.sose@admu.edu)

The Department of Physics seeks to be an internationally recognized Jesuit center of excellence in physics teaching and research in the service of society. We envision a department that shall address key issues in earth systems physics, physics for sustainable development, and physics education.

The department engages in relevant scientific endeavors in the fields of atmospheric physics, geophysics, materials science, photonics, theoretical physics, vacuum and plasma technology, and physics education. Through our collaborative, vibrant, and collegial faculty, we form scientists of competence and compassion who empower society.

## BACHELOR OF SCIENCE IN PHYSICS

This is a four-year program for students interested in acquiring the necessary knowledge and skills to do research in either theoretical and/or experimental physics. The aim is for students to gain a more in-depth familiarity with some of the most important concepts in physics and also develop skills in performing physics experiments. The program requires a submission and successful defense of a research thesis during the fourth year. The thesis can either be in theoretical or experimental physics, and in any of the fields of specialization of the Department: atmospheric physics, geophysics, optics and photonics, plasma physics, vacuum technology, materials science, physics education, and theoretical physics.

Students who graduate from the BS PS program will have a deeper understanding of physical laws, and, thus, possess analytical problem-solving skills useful in a variety of real-world situations. Through their exposure to rigorous mathematical training and exhaustive experimentation, our graduates will be able to competently understand emerging technologies, model financial systems & dynamics, analyze industrial and engineering processes, and pioneer and develop world-changing ideas.

### *Program Learning Outcomes*

Students who graduate from the BS PS program will have a deeper understanding of physical laws and have access to analytical problem-solving skills. Through their exposure to rigorous mathematical training and experimentation, our graduates will be able to competently understand emerging technologies, model financial dynamics, analyze industrial processes, and develop world-changing ideas.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	PHYS 31.01	Analytical Physics I, Lecture	3
CHEM 21.11	General Chemistry I, Lecture	3	PHYS 31.02	Analytical Physics I, Laboratory	1
CHEM 21.12	General Chemistry I, Laboratory	2	MATH 31.1	Mathematical Analysis 1A	3
SocSc 11	Understanding the Self	3	MATH 31.2	Mathematical Analysis 1B	3
THEO 11	Faith, Spirituality, and the Church	3	ENGG 10	Engineering Workshop and Practices	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introductions to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		20(2)
<b>SECOND YEAR</b>					
<u>Intersession</u>		<u>Units</u>			
PHYS 111	Mathematical Physics I	3			
ArtAp 10	Art Appreciation	3			
FLC 11	Foreign Language and Culture 11	3			
	TOTAL	9(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>



PHYS 32.01	Analytical Physics II, Lecture	3	PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 32.02	Analytical Physics II, Laboratory	1	PHYS 33.02	Analytical Physics III, Laboratory	1
PHYS 112	Mathematical Physics II	3	PHYS 113	Mathematical Physics III	3
MATH 31.3	Mathematical Analysis II	3	PHYS 114	Mathematical Physics IV	3
HISTO 12	Readings in Philippine History	3	SocSc 12	The Contemporary World	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
IE 2	Interdisciplinary Elective 2	3	STS 10	Science, Technology, and Society	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	19(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		19(5)

### THIRD YEAR

<u>Interession</u>		<u>Units</u>
PHYS 34.01	Analytical Physics IV, Lecture	3
PHYS 34.02	Analytical Physics IV, Laboratory	1
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	7(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
PHYS 121	Classical Mechanics I	3	PHYS 122	Classical Mechanics II	3
PHYS 131	Electromagnetics	3	PHYS 132	Electromagnetic Energy Transfer	3
PHYS 161.01	Physical Electronics, Lecture	3	PHYS 141	Introduction to Quantum Mechanics I	3
PHYS 161.02	Physical Electronics, Laboratory	1	PHYS 199.2	Undergraduate Thesis II	1
PHYS 199.1	Undergraduate Thesis I	2	ENGG 30.30	Introduction to Programming for Scientists	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
FREE ELECTIVE	Free Elective	3	NSTP 12	National Service Training Program 12	(3)
	TOTAL	21(0)	TOTAL		19(3)

### FOURTH YEAR

<u>Interession</u>		<u>Units</u>
PHYS 197	Physics in Society with Practicum	3
	TOTAL	3(0)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>		
PHYS 135.01	Optics, Lecture	3	PHYS 199.4	Undergraduate Thesis IV	2
PHYS 135.02	Optics, Laboratory	1	PHYS ELECTIVE	Physics Elective	3
PHYS 151	Introductory Thermodynamics and Statistical Mechanics	3	PHYS ELECTIVE	Physics Elective	3
PHYS 162.01/IE 3	Computational Physics, Lecture	3	FREE ELECTIVE	Free Elective	3
PHYS 162.02	Computational Physics, Laboratory	1	FREE ELECTIVE	Free Elective	3
PHYS 199.3	Undergraduate Thesis III	1	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
SocSc 14	Politics, Governance, and Citizenship	3	TOTAL		17(0)
	TOTAL	18(0)			

Total Number of Academic Units: 172(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN PHYSICS – BACHELOR OF SCIENCE IN MATERIALS SCIENCE ENGINEERING

This is a double-degree program for students interested in acquiring the necessary knowledge and skills to do research in both applied physics and materials science engineering. The program integrates knowledge and tools from chemistry and physics with principles from engineering that allows students to design, fabricate, implement, and characterize improved and novel materials. As a dual program, it requires the submission and successful defense of two research outputs: a thesis for the applied physics degree and a project for the materials science and engineering degree.

The BS APS MSE is a 4.5 year program. This constitutes 4 years, one intersession term, and one semester. The student completes a BS APS degree after four years and a BS MSE after an additional intersession and semester. Students have the option to take a minor in another field (e.g. Philosophy, Economics, Creative Writing, etc.) extending into the second semester of the last year.

Students who graduate from the BS APS MSE program will have acquired the knowledge and skills from the physical sciences, materials science and engineering to optimally develop solutions to existing problems involving materials in a wide variety of fields including but not limited to medicine, electronics, computer technology, manufacturing, agriculture, disaster management, and infrastructure to name a few.

### *Program Learning Outcomes*

The BS APS-MSE program integrates the knowledge and tools of chemistry and physics with engineering principles to design, fabricate, and characterize novel materials. This integration gives graduates of the BS APS-MSE program the requisite competencies needed for global competitiveness in the field of materials science and engineering research.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	PHYS 31.01	Analytical Physics I, Lecture	3
CHEM 21.11	General Chemistry I, Lecture	3	PHYS 31.02	Analytical Physics I, Laboratory	1
CHEM 21.12	General Chemistry I, Laboratory	2	MATH 31.1	Mathematical Analysis 1A	3
SocSc 11	Understanding the Self	3	MATH 31.2	Mathematical Analysis 1B	3
THEO 11	Faith, Spirituality, and the Church	3	ENGG 10	Engineering Workshop and Practices	1
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introductions to Ateneo Culture and Traditions 12	(0)
	TOTAL	20(2)	PHYED 2	Physical Education 2	(2)
				TOTAL	20(2)
		<b>SECOND YEAR</b>			
<u>Intersession</u>		<u>Units</u>			
PHYS 111	Mathematical Physics I	3			
ArtAp 10	Art Appreciation	3			
FLC 11	Foreign Language and Culture 11	3			

	TOTAL	9(0)			
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
PHYS 32.01	Analytical Physics II, Lecture	3	PHYS 33.01	Analytical Physics III, Lecture	3
PHYS 32.02	Analytical Physics II, Laboratory	1	PHYS 33.02	Analytical Physics III, Laboratory	1
PHYS 112	Mathematical Physics II	3	PHYS 113	Mathematical Physics III	3
CHEM 43.11	Survey of Organic Chemistry, Lecture	3	PHYS 114	Mathematical Physics IV	3
CHEM 43.12	Survey of Organic Chemistry, Laboratory	2	ENGG 11	Computer-aided Drafting	1
MATH 31.3	Mathematical Analysis II	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	21(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		20(5)

### THIRD YEAR

<b><u>Interession</u></b>		<b><u>Units</u></b>
PHYS 34.01	Analytical Physics IV, Lecture	3
PHYS 34.02	Analytical Physics IV, Laboratory	1
IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	7(0)

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
PHYS 121	Classical Mechanics I	3	PHYS 132	Electromagnetic Energy Transfer	3
PHYS 131	Electromagnetics	3	PHYS 141	Introduction to Quantum Mechanics I	3
PHYS 161.01	Physical Electronics, Lecture	3	PHYS 199.2	Undergraduate Thesis II	1
PHYS 161.02	Physical Electronics, Laboratory	1	ENGG 30.30	Introduction to Programming for Scientists	3
PHYS 199.1	Undergraduate Thesis I	2	MATSE 102	Principles of Materials Science and Engineering II	3
MATSE 101	Principles of Materials Science and Engineering I	3	SocSc 13	The Economy, Society, and Sustainable Development	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	NSTP 12	National Service Training Program 12	(3)
	TOTAL	21(0)	TOTAL		19(3)

### FOURTH YEAR

<b><u>Interession</u></b>		<b><u>Units</u></b>
PHYS 197	Physics in Society with Practicum	3
	TOTAL	3(0)

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
PHYS 151	Introductory Thermodynamics and Statistical Mechanics	3	PHYS 199.4	Undergraduate Thesis IV	2
PHYS 162.01/IE 3	Computational Physics, Lecture	3	MATSE 106.2	Materials and Testing Laboratory II	3
PHYS 162.02	Computational Physics, Laboratory	1	MATSE 121.01	Polymeric Materials, Lecture	3
PHYS 199.3	Undergraduate Thesis III	1	MATSE 121.02	Polymeric Materials, Laboratory	1
MATSE 106.1	Materials and Testing Laboratory I	3	MATSE 160/IE 4	Innovation and Technology	3
MATSE 111/IE 2	Metallic Materials	3	MATSE 161	Engineering Management	2
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
	TOTAL	17(0)	TOTAL		17(0)

		<b>FIFTH YEAR</b>
<b><u>Interession</u></b>		<b><u>Units</u></b>
MATSE 199.1	Materials Research Project I	3
	TOTAL	3(0)
<b><u>First Semester</u></b>		<b><u>Units</u></b>
MATSE 131	Ceramic Materials	3
MATSE 141	Electronic Materials	3
MATSE 151	Engineering Composites	3
MATSE 199.2	Materials Research Project II	3
MATSE ELEC	Materials Science and Engineering Elective	3
MATSE ELEC	Materials Science and Engineering Elective	3
	TOTAL	18(0)

Total Number of Academic Units: 195(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### PHYS 20.01

ELEMENTARY PHYSICS I, LECTURE

2 units

Co-requisite: PHYS 20.02

PHYS 20.01 is the first of three undergraduate physics lecture courses for Health Sciences majors. The mathematical approach is non-calculus-based and strikes a balance between conceptual and practical physics that shall prove helpful in the field of medicine. Topics to be covered are general mechanics, fluid mechanics, and thermodynamics.

### PHYS 20.02

ELEMENTARY PHYSICS I, LABORATORY

1 unit

Co-requisite: PHYS 20.01

PHYS 20.02 is the laboratory counterpart of PHYS 20.01 for Health Sciences majors. The approach includes hands-on experimentation, computer-aided experiments, simulations, and active-learning laboratory methodologies. Topics to be covered include general mechanics, fluid mechanics, and thermodynamics.

### PHYS 21.01

ELEMENTARY PHYSICS II, LECTURE

2 units

Prerequisite: PHYS 20.01

Co-requisite: PHYS 21.02

PHYS 21.01 is the second of three undergraduate physics lecture courses for Health Sciences majors. The mathematical approach is non-calculus-based and strikes a balance between conceptual and practical physics that shall prove helpful in the field of medicine. Topics to be covered are electromagnetics, wave mechanics, and optics.

PHYS 21.02  
ELEMENTARY PHYSICS II, LABORATORY

1 unit

Co-requisite: PHYS 21.01

PHYS 21.02 is the laboratory counterpart of PHYS 21.01 for Health Sciences majors. The approach includes hands-on experimentation, computer-aided experiments, simulations, and active-learning laboratory methodologies. Topics to be covered include electromagnetics, wave mechanics, and optics.

PHYS 22.01  
ELEMENTARY PHYSICS III, LECTURE

2 units

Prerequisite: PHYS 20.02

Co-requisite: PHYS 22.02

PHYS 22.01 is the third of three undergraduate physics lecture courses for Health Sciences majors. The mathematical approach is non-calculus-based and strikes a balance between conceptual and practical physics that shall prove helpful in the field of medicine. Topics to be covered are radiation and modern physics.

PHYS 22.02  
ELEMENTARY PHYSICS III, LABORATORY

1 unit

Co-requisite: PHYS 22.01

PHYS 22.02 is the laboratory counterpart of PHYS 22.01 for Health Sciences majors. The approach includes hands-on experimentation, computer-aided experiments, simulations, and active-learning laboratory methodologies. Topics to be covered include radiation and modern physics.

PHYS 23.01  
UNIVERSITY PHYSICS I, LECTURE

3 units

Prerequisite: MATH 31.2

Co-requisite: PHYS 23.02

PHYS 23.01 is a general physics course designed for Science majors. The course provides an overview of fundamental concepts from diverse fields in physics that have relevance in mathematics and the natural sciences. Topics include vectors, motion via kinematics and dynamics, energy and momentum, rotations, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism and geometric optics.

PHYS 23.02  
UNIVERSITY PHYSICS I, LABORATORY

2 units

Prerequisite: MATH 31.2

Co-requisite: PHYS 23.01

PHYS 23.02 is a general physics laboratory course designed for Science majors. Taken concurrently with PHYS 23.01, the course provides a venue for experimental experience in fundamental concepts from diverse fields in physics that have relevance in mathematics and the natural sciences. Topics include vectors, motion via kinematics and dynamics, energy and momentum, rotations, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism and geometric optics.

PHYS 23.11  
UNIVERSITY PHYSICS FOR COMPUTER SCIENCE I, LECTURE

3 units

Prerequisite: MATH 30.23

Co-requisite: PHYS 23.12

PHYS 23.11 is a general physics course designed for Computer Science majors. The course provides an overview of fundamental concepts from diverse fields in physics that have relevance in the natural sciences and computer modeling. Topics include vectors, motion via kinematics and dynamics, energy and

momentum, rotations, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism and geometric optics.

#### PHYS 23.12

UNIVERSITY PHYSICS FOR COMPUTER SCIENCE I, LABORATORY

2 units

Prerequisite: MATH 30.23

Co-requisite: PHYS 23.11

PHYS 23.12 is a general physics laboratory course designed for Computer Science majors. Taken concurrently with PHYS 23.11, the course provides a venue for experimental experience in fundamental concepts from diverse fields in physics that have relevance in the natural sciences and computer modeling. Topics include vectors, motion via kinematics and dynamics, energy and momentum, rotations, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism and geometric optics.

#### PHYS 23.21

UNIVERSITY PHYSICS FOR ENVIRONMENTAL SCIENCE I, LECTURE

3 units

Prerequisite: MATH 30.24

Co-requisite: PHYS 23.22

PHYS 23.21 is a general physics course designed for Environmental Science majors. The course provides an overview of fundamental concepts from diverse fields in physics that have relevance in environmental monitoring and research on sustainable development. Topics include vectors, motion via kinematics and dynamics, energy and momentum, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism, radiation and light-matter interaction.

#### PHYS 23.22

UNIVERSITY PHYSICS FOR ENVIRONMENTAL SCIENCE I, LABORATORY

2 units

Co-requisite: PHYS 23.21

PHYS 23.22 is a general physics laboratory course designed for Environmental Science majors. The course provides an overview of fundamental concepts from diverse fields in physics that have relevance in environmental monitoring and research on sustainable development. Topics include vectors, motion via kinematics and dynamics, energy and momentum, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism, radiation and light-matter interaction.

#### PHYS 25.01

GENERAL PHYSICS I. LECTURE

3 units

Co-requisite: PHYS 25.02

This 3-unit lecture course provides a review of a wide range of fundamental physics concepts. Topics include Newton's laws of motion, fluid mechanics, wave mechanics, electrostatics and electric circuits, electromagnetism, electromagnetic induction, electrical devices, properties of light, geometric and physical optics, and atomic and nuclear physics. Discussions focus on the physical functions of the human body, working principles of medical instruments and other applications relevant to health professionals.

#### PHYS 25.02

GENERAL PHYSICS I, LABORATORY

1 unit

Co-requisite: PHYS 25.01

This laboratory course complements the lectures given in PHYS 25.01. Activities include rediscovery exercises, demonstrations of physical phenomena and problem-based experiments. Topics covered include mechanics, fluids, mechanical waves, electricity and magnetism, optics, and modern physics.

PHYS 31.01  
ANALYTICAL PHYSICS I, LECTURE

3 units

Prerequisite: MATH 30.24 for BS CH/BS CH MSE/BS MS CH

Co-requisites: PHYS 31.02, MATH 31.1, MATH 31.2 for BS PS/BS APS-MSE

This course is the first of a series of four calculus-based Physics courses taken by students majoring in science or engineering. The course covers the fundamental concepts of mechanics and the associated conservation laws. Topics include vectors and their application to physical problems, kinematics of motion, dynamics of particles and rigid bodies, energy and momentum conservation, rotational motion, gravitation, and fluid mechanics.

PHYS 31.02  
ANALYTICAL PHYSICS I, LABORATORY

1 unit

Co-requisite: PHYS 31.01

This is the laboratory accompanying PHYS 31.01. Experiments in this course employ computer-aided and problem-solving approaches. This course includes experiments in kinematics of linear and two-dimensional motion, Newton's three laws of motion, work-energy theorem, conservation of energy, impulse-momentum theorem, kinematics and dynamics of rotational motion, torque, moment of inertia, conservation of angular momentum, and simple harmonic motion.

PHYS 31.31  
ANALYTICAL PHYSICS FOR ENGINEERING I, LECTURE

3 units

Co-requisites: PHYS 31.32

PHYS 31.31 is a general physics course designed for Engineering majors. The course provides an overview of fundamental concepts from diverse fields in physics that have relevance in engineering practice and research. Topics include vectors, motion via kinematics and dynamics, energy and momentum, rotations, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism and geometric optics.

PHYS 31.32  
ANALYTICAL PHYSICS FOR ENGINEERING I, LABORATORY

1 unit

Co-requisite: PHYS 31.31

PHYS 31.32 is a general physics laboratory course designed for Engineering majors. Taken concurrently with PHYS 31.31, the course provides a venue for experimental experience in fundamental concepts from diverse fields in physics that have relevance in engineering practice and research. Topics include vectors, motion via kinematics and dynamics, energy and momentum, rotations, elasticity, oscillations, fluids, heat and thermal processes, waves, electromagnetism and geometric optics.

PHYS 32.01  
ANALYTICAL PHYSICS II, LECTURE

3 units

Prerequisite: PHYS 31.01

Co-requisite: PHYS 32.02

This course is the second part of a series of four calculus-based introductory Physics courses taken by students majoring in physics and engineering. It aims to develop the student's analytical and problem solving skills through lectures, class recitations, problem sets and long examinations. It covers the fundamental concepts of thermodynamics, waves and optics. Topics include periodic motion and mechanical waves, laws of thermodynamics, geometric and wave optics.

PHYS 32.02  
ANALYTICAL PHYSICS II, LABORATORY

1 unit

Co-requisite: PHYS 32.01

This is the laboratory accompanying PHYS 32.01. This course includes experiments dealing with thermodynamics (heat transfer, specific heat calculations, thermodynamic processes), mechanical waves, and geometric optics. Experiments in this course employ computer-aided and problem-solving approaches.

PHYS 33.01  
ANALYTICAL PHYSICS III, LECTURE

3 units

Prerequisite: PHYS 31.01

Co-requisite: PHYS 33.02

This course is the third in a series of general Physics subjects for students majoring in Physics. It introduces the basic foundation of electric and magnetic fields and their interaction with matter. Topics include electric charges, electric fields, Gauss's law, electric potentials, capacitance and dielectrics, current, resistance, electromotive force, DC circuits, magnetic fields, magnetic forces, source of magnetic fields, electromagnetic induction, inductance, alternating currents, electromagnetic waves, and the nature and propagation of light.

PHYS 33.02  
ANALYTICAL PHYSICS III, LABORATORY

1 unit

Co-requisite: PHYS 33.01

This is the laboratory course accompanying PHYS 33.01. Experiments in this course employ computer-aided and problem-solving approaches. This course includes experiments in electric charges, electric fields, Gauss's law, electric potentials, capacitance and dielectrics, current, resistance, electromotive force, DC circuits, magnetic fields, magnetic forces, source of magnetic fields, electromagnetic induction, inductance, alternating currents, electromagnetic waves, and the nature and propagation of light.

PHYS 34.01  
ANALYTICAL PHYSICS IV, LECTURE

3 units

Prerequisite: PHYS 33.01

Co-requisite: PHYS 34.02

This course introduces the basic concepts of modern Physics. Topics include relativity, photons, electrons, atoms, wave nature of particles, quantum mechanics, atomic structure, molecules and condensed matter, nuclear physics, particle physics and cosmology.

PHYS 34.02  
ANALYTICAL PHYSICS IV, LABORATORY

1 unit

Co-requisite: PHYS 34.01

This is the laboratory course accompanying PHYS 34.01. PHYS 34.02 covers classic experiments in optics, spectrometry, interferometry, condensed matter, and nuclear physics. Experiments in this course employ a problem solving approach. The aim is to provide students with the methods and procedures of experimental Physics at an advanced level and to familiarize them with the design and use of modern research equipment. Students perform complete experiments that demonstrate established principles, allowing them to develop research aptitude by providing a broad experience in laboratory work.

PHYS 111  
MATHEMATICAL PHYSICS I

3 units

Prerequisites: MATH 31.1, MATH 31.2

This is a 3-unit course on complex analysis, linear algebra, vector algebra and geometry, and first-order



ordinary differential equations (ODEs). Topics involving complex analysis include the Argand plane, polar form, and algebraic equations involving complex numbers. Linear algebra topics include solutions of systems of linear equations, and matrix operations. Vector algebra and geometry comprise the physical interpretations and algebraic properties of and operations on vectors, and transformations of vectors in space. Topics in ODEs include techniques of solving various forms of ODEs. Physical applications of each topic are emphasized.

PHYS 112  
MATHEMATICAL PHYSICS II  
3 units

Prerequisite: PHYS 111

Co-requisite: MATH 31.3

This is a 3-unit course that introduces students to vector spaces, probability and counting, and ordinary differential equations (ODEs). The course covers key concepts related to vector spaces and develops the theory further with the algebra of linear operators and spectral decomposition of operators on finite-dimensional vector spaces. Then, the fundamental techniques of counting are taken up together with the theory of discrete probability distributions. Finally, methods of solving second- and higher-order ODEs are discussed, including the methods of undetermined coefficients, reduction of order, variation of parameters, and power series. The Laplace transform method is also discussed.

PHYS 113  
MATHEMATICAL PHYSICS III  
3 units

Prerequisite: MATH 31.3

This is a 3-unit mathematical physics course which aims to give the students an introduction to Complex Analysis and Finite and Infinite-Dimensional Vector Spaces. Topics include Complex Arithmetic, Complex Differentiation and Integration, and the Calculus of Residues, Inner Product Spaces, Linear Transformations, Spectral Decomposition, Hilbert Spaces, Common Series and Applications.

PHYS 114  
MATHEMATICAL PHYSICS IV  
3 units

Prerequisite: MATH 31.3

This is a 3-unit course which aims to give the students an introduction to Classical Probability Theory. Other topics include methods of solving Laplace's Equation (and Poisson's Equation in different coordinate systems with special boundary conditions), Infinite Series, the Dirac Delta Function, the Fourier Transform, and Green's Functions.

PHYS 121  
CLASSICAL MECHANICS I  
3 units

Pre-requisites: PHYS 31.01, PHYS 112

PHYS 121 is the first of a two-part junior-level classical mechanics course for students majoring in Physics. The course aims to further develop students' comprehension of the dynamics of particles and systems. Topics include discussions on harmonic oscillators, non-linear oscillators, central-force motion, gravitation and potential energy, as well as an introduction to the Lagrangian and Hamiltonian formalisms.

PHYS 122  
CLASSICAL MECHANICS II  
3 units

Prerequisite: PHYS 121

This course is the second of a two-part junior level classical mechanics course for students majoring in Physics. PHYS 122 reinforces the use of the Lagrangian and Hamiltonian formalisms, Hamilton's principle, and Hamilton's canonical equations. Other topics include non-inertial frames, the inertia tensor and angular

momentum of rigid bodies, Euler angles and Euler's equations for rigid bodies, force-free rotations and stability, the wave equation and its solution, waves in continuous media, and an introduction to fluid mechanics.

#### PHYS 123

##### FLUID MECHANICS

3 units

Prerequisites: PHYS 31.01, PHYS 112

PHYS 123 provides an introduction to the properties of fluids and fluid systems, with examples drawn from a broad range of sciences, including atmospheric physics and astrophysics. Topics included are: definitions of fluids and the notion of continuum, equations of state and continuity, hydrostatics and conservation of momentum, ideal fluids and Euler's equation, viscosity and the Navier-Stokes equation, energy considerations, fluid thermodynamics, isentropic flow, compressible versus incompressible and rotational versus irrotational flow, Bernoulli's theorem, steady flow, streamlines and potential flow, circulation and vorticity, Kelvin's theorem, boundary layers, fluid waves, and instabilities.

#### PHYS 131

##### ELECTROMAGNETICS

3 units

Prerequisites: PHYS 33.01, PHYS 33.02, PHYS 111, PHYS 112, PHYS 114

PHYS 131 is an introduction to the classical theory of electromagnetism. The course examines the fundamental laws governing electric fields and magnetism and their interaction with matter. Topics include vector analysis, electrostatics, special techniques in solving Laplace's equation, electric fields in matter, magneto-statics, magnetic fields in matter, electrodynamics, and conservation laws.

#### PHYS 132

##### ELECTROMAGNETIC ENERGY TRANSFER

3 units

Prerequisite: PHYS 131

PHYS 132 is the second part of the classical electromagnetism course. The course focuses on the fundamental theory of electrodynamics. Topics include electromagnetic waves, potentials and fields, radiation, electrodynamics, relativity in electromagnetism, and relevant applications of electromagnetic waves (e.g., scattering principles and propagation of electromagnetic waves in matter).

#### PHYS 133

##### RADIATION AND OPTICS

3 units

Prerequisite: PHYS 131

PHYS 133 introduces the nature and propagation of light in matter. The interaction between light and matter is discussed in-depth, with emphasis on the radiation processes in LASER action. A review of classical optics is discussed, covering electromagnetic waves, polarization, and interference. Aspects of the quantum nature of light and contemporary topics, such as optical devices and holography, are also part of the coverage. Students are expected to develop an appreciation for optical phenomena and acquire the necessary analytical tools to work with such systems.

#### PHYS 134

##### INTRODUCTORY SPECTROSCOPY

3 units

Prerequisites: PHYS 34.01, PHYS 34.02

This course introduces undergraduate students to the basic principles and practical aspects of modern spectroscopy. PHYS 134 covers the basic physics of spectroscopy, including absorption and emission of light, and optical instruments and techniques. Systems to be described include multi-electron atoms and diatomic molecules.

PHYS 135.01  
OPTICS, LECTURE

3 units

Prerequisite: PHYS 131

Co-requisite: PHYS 135.02

The course offers a thorough treatment of optics concepts at the undergraduate level. Lectures start with a historical background of the nature of light, wave motion, and a review of electromagnetic theory. Additional topics include geometric optics, interference, diffraction, polarization, and an introduction to Fourier optics.

PHYS 135.02  
OPTICS, LABORATORY

1 unit

Prerequisite: PHYS 131

Co-requisite: PHYS 135.01

PHYS 135.02 is an optics laboratory class designed for Physics majors. Taken concurrently with PHYS 135.01, the course provides a venue for experiments on geometric optics, interference, diffraction and polarization.

PHYS 136  
EXPERIMENTAL OPTICS, LABORATORY

3 units

Prerequisite: PHYS 131

PHYS 136 seeks to develop experimental and analytical skills in the context of optical and photonic systems. Laboratory activities are based on active research set-ups at the photonics laboratory.

PHYS 141  
INTRODUCTION TO QUANTUM MECHANICS I

3 units

Prerequisites: PHYS 34.01, PHYS 111, PHYS 112

PHYS 141 introduces physics students to quantum mechanical systems and techniques. The course begins with an overview of one-dimensional wave mechanics and eventually progresses to quantum mechanics in three dimensions. Relevant mathematical formalisms are employed to discuss topics such as observables, probability and spin.

PHYS 142  
INTRODUCTION TO QUANTUM MECHANICS II

3 units

Prerequisite: PHYS 141

PHYS 142 is a continuation of PHYS 141 dealing with more advanced formalisms in quantum mechanics. Topics to be covered include time-independent perturbation theory, variational principles, the WKB approximation, time-dependent perturbation theory, adiabatic approximations, and quantum scattering.

PHYS 151  
INTRODUCTORY THERMODYNAMICS AND STATISTICAL MECHANICS

3 units

Prerequisite: PHYS 141

This course covers the basic theories and applications of statistical thermodynamics. The emphasis is on the development of the theory from a microscopic viewpoint. Topics include: introduction to probability, statistical mechanics, and thermodynamics, random variables, joint and conditional probability densities, and functions of a random variable, concepts of macroscopic variables and thermodynamics equilibrium, fundamental assumption of statistical mechanics, micro-canonical and canonical ensembles, the three laws of thermodynamics, probability distributions for classical and quantum systems, micro-canonical, canonical, and grand canonical partition functions and associated thermodynamics potentials, conditions of thermodynamic equilibrium for homogenous and heterogeneous systems, Maxwell-Boltzmann, Fermi-Dirac, and Bose-Einstein statistics.

PHYS 152.01  
INTRODUCTION TO SOLID STATE PHYSICS, LECTURE  
3 units

Prerequisite: PHYS 141

This 3-unit lecture course introduces students to the field of solid state physics. Topics include crystal structures and defects, crystal binding, reciprocal lattice, Brillouin zones, free electron gas, Bloch's theorem, Kronig-Penney potential, energy bands, Fermi surfaces and metals, superconductivity, electronic and optical processes in materials, processing and characterization of semiconductors, surfaces and interfaces, and an introduction to nanostructures.

PHYS 152.02  
INTRODUCTION TO SOLID STATE PHYSICS, LABORATORY  
1 unit

Prerequisite: PHYS 141

This is the 1-unit, 3-hour laboratory course accompanying PHYS 152.01. Activities involve materials characterization techniques employing equipment available at the materials science laboratory.

PHYS 160  
ELECTRONICS  
3 units

Prerequisites: PHYS 23.11, PHYS 23.12

PHYS 160 is a course designed for Computer Science majors with a 3-unit lecture component and a 2-unit laboratory. Lectures cover number systems, combinatorial logic, sequential systems and the algorithmic state machine. Students have the chance to design digital systems and solve related problems. The laboratory part covers digital design, an introduction to microprocessors and computer interfacing.

PHYS 161.01  
PHYSICAL ELECTRONICS, LECTURE  
3 units

Prerequisites: PHYS 33.01, PHYS 33.02

Co-requisite: PHYS 161.02

PHYS 161.01 is the lecture component of a course on Electronic Devices and Circuit Theory. Topics include methods of analysis of DC circuits, the circuit theorems, first and second order AC circuits, characteristics and functions of different analog electrical components and devices like resistors, capacitors, inductors, diodes, transistors and operational amplifiers.

PHYS 161.02  
PHYSICAL ELECTRONICS, LABORATORY  
1 unit

Prerequisites: PHYS 33.01, PHYS 33.02

Co-requisite: PHYS 161.01

PHYS 161.02 is the laboratory component of a course on Electronic Devices and Circuit Theory. The course aims to develop in students the appropriate skills in the operation of electrical instruments like the multimeter, function generator and oscilloscope through laboratory activities. Students build circuits and verify if they function as designed.

PHYS 162.01  
COMPUTATIONAL PHYSICS, LECTURE  
3 units

Prerequisites: PHYS 33.01, PHYS 33.02, PHYS 114

Co-requisite: PHYS 162.02

PHYS 161.01 is the lecture component of a course on Electronic Devices and Circuit Theory. The course aims to develop in students the appropriate skills in the operation of electrical instruments like the multimeter,

function generator and oscilloscope through laboratory activities. Students build circuits and verify if they function as designed.

#### PHYS 162.02

##### COMPUTATIONAL PHYSICS, LABORATORY

1 unit

Prerequisites: PHYS 33.01, PHYS 33.02, PHYS 114

Co-requisite: PHYS 162.01

PHYS 162.02 is a 1-unit laboratory course accompanying PHYS 162.01. In this course, students learn to apply methods in computational Physics and numerical analysis to a broad spectrum of Physics problems and implement them by writing computer programs using a high level programming language such as C/C++.

#### PHYS 163

##### OPTOELECTRONICS

3 units

Prerequisites: PHYS 33.01, PHYS 33.02, PHYS 114

PHYS 163 is designed to introduce students to the underlying physics of contemporary optical systems such as lasers and fiber optics. A review of light and its properties, as well as some elements of solid state physics, is presented. Topics also include optical modulation and displays.

#### PHYS 180

##### SPECIAL TOPICS

3 units

Prerequisites: PHYS 32.01, PHYS 32.02, MATH 31.3

PHYS 180 introduces students to current trends and developments in various fields of physics and focuses on the interdisciplinarity of physics with other fields of endeavor. The aim is to show how physics overlaps with fields such as medicine, engineering, and the other sciences (e.g. biology, chemistry, etc.).

#### PHYS 180.1

##### TOPICS IN ENVIRONMENTAL PHYSICS SERIES I

3 units

Prerequisites: PHYS 32.01, PHYS 32.02, MATH 31.3

This course provides the basic foundation of atmospheric physics for undergraduate students. Topics include earth systems, atmospheric models, atmospheric thermodynamics, atmospheric radiation, basic fluid dynamics, atmospheric dynamics, atmospheric boundary layers, weather systems, atmospheric chemistry, cloud microphysics, atmospheric remote sounding, climate change, and atmospheric modeling.

#### PHYS 180.2

##### TOPICS IN ENVIRONMENTAL PHYSICS SERIES II

3 units

Prerequisites: PHYS 32.01, PHYS 32.02, MATH 31.3

This course teaches Physics students introductory atmospheric physics mainly through the application of thermodynamics to atmospheric phenomena including the microphysics of clouds and precipitation. Special focus is given to the thermodynamics of water and its transformations in the atmosphere. Concepts of atmospheric stability and cloud formation are discussed. The course then delves into the theories of formation and growth of cloud droplets and ice crystals, and the initiation and development of precipitation (rain and snow). Simple examples of numerical cloud models are used to illustrate and animate key concepts.

#### PHYS 180.3

##### TOPICS IN ENVIRONMENTAL PHYSICS SERIES III

3 units

Prerequisites: PHYS 32.01, PHYS 32.02, MATH 31.3

This course examines the physics of remote sensing as a fundamental tool for atmospheric physics. Topics include discussions on electromagnetic waves in free space, interaction of electromagnetic waves with

matter, interaction of electromagnetic waves with the Earth's atmosphere, photographic systems, electro-optical systems, passive microwave systems, ranging systems, scattering systems, platforms for remote sensing, and data processing.

#### PHYS 180.4

##### TOPICS IN ENVIRONMENTAL PHYSICS SERIES IV

3 units

Prerequisites: PHYS 32.01, PHYS 32.02, MATH 31.3

PHYS 180.4 introduces students to the fundamentals of geophysics. The course discusses introductory concepts in rheology, the study of debris flow. Lectures include a discussion of granular matter dynamics to explain debris flow and topics on slope stability, failure mechanisms and fracture mechanics. Also included is a survey of rheometry and seismography simulations and experiments, including geohazard mapping and analysis.

#### PHYS 180.5

##### CLIMATE CHANGE AND DISASTER RISK

3 units

PHYS 180.5 introduces the science of climate change and disasters. The course covers the impacts of a globally warmer world, long-term climatic changes and rapid onset extreme events. Discussions tackle the connections between climate change and disasters, framed through an integrated risk approach and covers tools and concepts on socio-ecological resilience and influence diagrams. The aim is to increase learning on climate change and disasters in a holistic manner so as to provide a well-rounded science evidence-based approach to assessing and formulating options and actions that lead towards pathways for development that are both sustainable and climate change resilient.

#### PHYS 181.1

##### TOPICS IN MATERIALS PHYSICS SERIES I

3 units

Prerequisite: PHYS 34.01

PHYS 181.1 is the first of two 3-unit lecture courses introducing basic concepts in materials science. Topics include the classification of materials (metals, polymers, ceramics, semiconductors, and composite materials), a review of the atomic-scale structure of materials, crystal structure and defects, non-crystalline and polycrystalline materials, binary phase diagrams and structural transformations.

#### PHYS 181.2

##### TOPICS IN MATERIALS PHYSICS SERIES II

3 units

Prerequisites: PHYS 34.01

PHYS 181.2 is a second lecture course dealing with basic concepts in materials science. Topics focus on material properties and processing techniques such as casting, forming, powder processing, machining, welding, coatings, semiconductor processing, and fiber manufacturing.

#### PHYS 181.3

##### TOPICS IN MATERIALS PHYSICS SERIES III

3 units

Prerequisite: PHYS 34.01

PHYS 181.3 is an elective course for physics majors that covers fundamental concepts of the state of matter that is plasma. Topics include vacuum technology and its applications in materials science, characteristics and applications of plasmas, single particle motion, plasma characterization, and applications of plasma and vacuum science in materials processing.

#### PHYS 181.4

##### TOPICS IN MATERIALS PHYSICS SERIES IV

3 units

Prerequisite: PHYS 34.01

PHYS 181.4 is a course that aims to reinforce concepts in materials science and engineering through experimentation and testing in the laboratory. Activities are supplemented by a lecture session for each experiment or exercise. Experiments may deal with viscoelasticity, vapor deposition techniques, optical properties of thin films, properties of electronic materials, processing of polymer and ceramic materials, x-ray diffraction, surface characterization and imaging techniques, ionic bonding and crystal structure, equilibrium phase diagrams, kinetics of crystallization, growth structures, defects, fracture mechanics, mechanical properties of metals and composites, characterization of polymers, and thermo-mechanical analysis of materials.

PHYS 182.1

TOPICS IN PHOTONICS SERIES I

3 units

Prerequisite: PHYS 131

PHYS 182.1 provides a comprehensive introduction to holographic techniques and theory. Background information regarding wave and interference phenomena is briefly reviewed. Detailed discussions on the following topics take up the bulk of the lectures: Fourier techniques, diffraction integrals, hologram formation, and recording materials. Holographic applications in microscopy, data storage, and interferometry are also covered. The course is designed to supplement a standard optics course for interested students who wish to develop a deeper understanding of wave phenomena.

PHYS 182.2

TOPICS IN PHOTONICS SERIES II

3 units

Prerequisite: PHYS 131

PHYS 182.2 provides an extension of diffraction theory as developed in a standard optics course. Emphasis is on the diffraction grating, one of the most important optical devices. After a brief history of spectroscopic technology, fundamental properties of diffraction gratings are discussed in terms of waves and electromagnetic energy. The various grating types are characterized, with additional discussions on fabrication and applications. Students are expected to further develop skills in analyzing optical systems.

PHYS 182.3

TOPICS IN PHOTONICS SERIES III

3 units

Prerequisite: PHYS 131

PHYS 182.3 deals with the theory of nonlinear optics as established on an electromagnetic basis. Details of nonlinear phenomena are then presented, including frequency doubling, parametric amplification and oscillation, nonlinear refractive indices, and nonlinear optical materials. Students are expected to gain further insight into light-matter interactions and develop an appreciation for this important subfield in optics.

PHYS 182.4

TOPICS IN PHOTONICS SERIES IV

3 units

Prerequisite: PHYS 131

PHYS 182.4 serves as an introduction to recent developments in optical technology. The class consists of regularly scheduled discussions of current journal articles dealing with optics and photonics. Students are expected to effectively present and analyze results and conclusions from papers of interest.

PHYS 183.1

RESEARCH LABORATORY SERIES I

3 units

Prerequisites: PHYS 34.01 and PHYS 34.02

This course introduces Physics majors to basic and advanced laboratory techniques in vacuum physics. Experiments in this course include optical characterization of optical thin film coatings on materials, physical vapor deposition techniques, surface characterization of optical coatings, and design of multilayer coatings.

PHYS 183.2

RESEARCH LABORATORY SERIES II

3 units

Prerequisites: PHYS 34.01 and PHYS 34.02

This course introduces Physics majors to basic and advanced laboratory techniques in materials science. Experiments in this course include deformation studies on materials, coating and characterization of bulk elastomer materials, semiconductors, and nanoparticles.

PHYS 183.3

RESEARCH LABORATORY SERIES III

3 units

Prerequisites: PHYS 34.01 and PHYS 34.02

This course introduces Physics majors to basic and advanced laboratory techniques in Earth Systems Physics. For atmospheric physics, experiments include atmospheric instrumentation, weather instruments, data collection and analysis, numerical atmospheric and climate modelling, dispersion, and satellite data analysis. For geophysics, experiments include rheometry, rheology, seismography, computational fracture mechanics, modelling of fluid flow, debris flow analysis, and granular matter dynamics simulation and instrumentation.

PHYS 183.4

RESEARCH LABORATORY SERIES IV

3 units

Prerequisites: PHYS 34.01 and PHYS 34.02

This course introduces Physics majors to basic and advanced laboratory techniques in photonics. Experiments include light scattering from disordered systems, polarization of light, diffraction, optical transforms, fluorescence, magnetic susceptibility, and beam displacements as a function of the refractive index.

PHYS 197

PHYSICS IN SOCIETY WITH PRACTICUM

3 units

Prerequisite: Student must be in senior year

PHYS 197 is a Practicum Program in Physics and Materials Science Engineering equivalent to a three-unit (3-unit) course. The required work experience is a minimum of one hundred and twenty (120) hours in an affiliated scientific institute, center or laboratory.

PHYS 199.1

UNDERGRADUATE THESIS I

2 units

This is the first of four undergraduate thesis courses leading to the senior physics thesis. In this 2-unit course, the student is expected to define his/her thesis topic, conduct appropriate literature review, and perform initial experiments to show the viability of the chosen topic. The student then writes a thesis proposal and presents it before selected panelists, students, and faculty members of the Department of Physics.

PHYS 199.2

UNDERGRADUATE THESIS II

1 unit

Prerequisite: PHYS 199.1

This is the second part of the research course leading to the completion of a student's undergraduate thesis in physics. This course continues the student's research work through regular research meetings and



meaningful consultations with the thesis adviser. Students apply the various principles and concepts learned from their undergraduate courses in specific research fields.

PHYS 199.3

UNDERGRADUATE THESIS III

1 unit

Prerequisite: PHYS 199.2

This is the third part of the research course leading to the completion of a student's undergraduate thesis in physics. This course continues the student's research work through regular research meetings and meaningful consultations with the thesis adviser. Students apply the various principles and concepts learned from their undergraduate courses in specific research laboratories.

PHYS 199.4

UNDERGRADUATE THESIS IV

2 units

Prerequisite: PHYS 199.3

This course is the last part of the four-semester research-oriented series of courses that lead to the completion of a student's undergraduate thesis in physics. This course continues the student's research work through regular research meetings and meaningful consultation with the thesis adviser. Students apply the various principles and concepts learned from their undergraduate courses in specific research laboratories. Finally, the student writes, presents and defends his/her thesis before selected panelists, students, and faculty members of the Department.



SCHOOL *of*  
SOCIAL SCIENCES

Dr. Fernando T. Aldaba  
*Dean*



# CHINESE STUDIES

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The Chinese Studies Program seeks to impart knowledge and develop expertise in Chinese studies in order to: improve the relations between the Philippines and China through a better understanding of China; promote more harmonious relations between ethnic Chinese and larger Filipino communities; increase the understanding of the Chinese heritage of Philippine culture; and promote Ateneo's vision of person-for-others through the teaching of certain Chinese values.

This vision is achieved by teaching Chinese language and culture and Chinese studies-related courses in cooperation with other departments in the School of Social Sciences and with other Loyola tertiary schools; conducting research in Chinese studies independently, in cooperation, or in coordination with other units within or outside the University; and serving as a link to the Philippine community through its cooperation with other institutions or organizations and its sponsorship of public fora on issues related to Chinese studies.

## BACHELOR OF ARTS IN CHINESE STUDIES

The program offers a comprehensive knowledge of Mandarin Chinese and an understanding of Chinese history and culture. The *Specialization in Business* covers the fundamentals of business in a Chinese context. The *Specialization in Arts and Culture* focuses on aesthetic theories and the literature and arts of China. The *Specialization in Social Sciences* provides a broad introduction to the social realities in China and frameworks for analyzing them.

Students who choose the Junior Year Abroad will have three semesters during their third year: April to July at ADMU, August to December (Fall Term) and February to May (Spring Term) at The Jesuit Beijing Center for Chinese Studies (TBC) or Peking University in Beijing, China.

### *Program Learning Outcomes*

The Bachelor of Arts in Chinese Studies is an interdisciplinary and area study focusing on the political, economic, cultural and social dynamics of China. It is the only academic program in the Philippines dedicated to the study of China. It has three specializations – Business, Humanities and Social Sciences which caters to students' interest, thus providing students the opportunity to pursue and specialize on their choice. Students are also required to take five levels of Chinese Mandarin language course to enhance their learning.

The Chinese Studies Program specified the following degree program outcomes. The ideal Ateneo graduate of AB Chinese Studies is someone who:

- a) Understands China and its neighboring countries – its integration, institutions, principles and policies;
- b) Examines and assesses China's impact in world affairs and in the further integration of the Asia-Pacific region;
- c) Critically evaluates China-Philippine political, economic, social and cultural relations;
- d) Applies economic, political and cultural concepts and methods applicable in doing research on China;
- e) Participates and discusses the implications of China foreign policy on Philippines; and
- f) Develops confidence, competence and proficiency in the use of Mandarin language that will enhance their employability in the academe, business, government, non-government organizations, and international organizations.

## BACHELOR OF ARTS IN CHINESE STUDIES (Specialization in Arts and Culture)

		<b>FIRST YEAR</b>		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12 Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11 Malayuning Komunikasyon	3
CSP 90	History of China	3	CSP 11 Chinese Mandarin and Culture 1	3
MATH 10	Mathematics in the Modern World	3	CSP 57 Cross Cultural Communication in a Chinese Context	3
SocSc 11	Understanding the Self	3	HISTO 11 Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.01 Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02 Natural Science, Laboratory	1

PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
				TOTAL	19(2)

**SECOND YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 12	Chinese Mandarin and Culture 2	3	CSP 13	Intermediate Chinese 1	3
CHNS-AC SPEC COURSE	Chinese-AC Specialization Course	3	CSP 71	Chinese Art and Society	3
CHNS-AC SPEC COURSE	Chinese-AC Specialization Course	3	CHNS-AC SPEC COURSE	Chinese-AC Specialization Course	3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	18(2)	PHYED 4	Physical Education 4	(2)
				TOTAL	18(5)

**THIRD YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 14	Intermediate Chinese 2	3	CSP 15	Intermediate Chinese 3	3
CSP 41	Introduction to Chinese Literature	3	CSP 32	Government and Politics of China	3
CHNS-AC SPEC COURSE	Chinese-AC Specialization Course	3	CSP 192	Research Methods	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
				TOTAL	18(3)

**FOURTH YEAR**

<u>Interession</u>		<u>Units</u>			
CSP 35	Introduction to Chinese Society	3			
CSP ELECTIVE	Chinese Studies Program Elective	3			
	TOTAL	6(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 40	Chinese Philosophy	3	CSP 199	Research in Chinese Studies	3
CSP 73	Contemporary Chinese Art: An Introduction	3	CHNS-AC SPEC COURSE	Chinese-AC Specialization Course	3
CHNS-AC ELECTIVE	Chinese-AC Elective	3	CSP ELECTIVE	Chinese Studies Program Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 145(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

**BACHELOR OF ARTS IN CHINESE STUDIES**  
(Specialization in Business)

**FIRST YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSP 90	History of China	3	CSP 11	Chinese Mandarin and Culture 1	3
MATH 10	Mathematics in the Modern World	3	CSP 57	Cross Cultural Communication in a Chinese Context	3
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	<b>TOTAL</b>	<b>18(2)</b>	PHYED 2	Physical Education 2	(2)
			<b>TOTAL</b>		<b>19(2)</b>

**SECOND YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 12	Chinese Mandarin and Culture 2	3	CSP 13	Intermediate Chinese 1	3
CHNS-B SPEC COURSE	Chinese-B Specialization Course	3	CSP 31	Modern Chinese Economy	3
CHNS-B SPEC COURSE	Chinese-B Specialization Course	3	CSP 32	Government and Politics of China	3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	<b>TOTAL</b>	<b>18(2)</b>	PHYED 4	Physical Education 4	(2)
			<b>TOTAL</b>		<b>18(5)</b>

**THIRD YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 14	Intermediate Chinese 2	3	CSP 15	Intermediate Chinese 3	3
CHNS-B SPEC COURSE	Chinese-B Specialization Course	3	CSP 192	Research Methods	3
CHNS-B SPEC COURSE	Chinese-B Specialization Course	3	CHNS-B SPEC COURSE	Chinese-B Specialization Course	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
	<b>TOTAL</b>	<b>18(0)</b>	NSTP 12	National Service Training Program 12	(3)
			<b>TOTAL</b>		<b>18(3)</b>

**FOURTH YEAR**

<u>Intersession</u>		<u>Units</u>
CSP 35	Introduction to Chinese Society	3
CSP ELECTIVE	Chinese Studies Program Elective	3
	<b>TOTAL</b>	<b>6(0)</b>



<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 16	Practical Chinese for Business	3	CSP 199	Research in Chinese Studies	3
CSP 40	Chinese Philosophy	3	CHNS-B ELECTIVE	Chinese-B Elective	3
CSP 50	Doing Business in China	3	CSP ELECTIVE	Chinese Studies Program Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
TOTAL		15(0)	TOTAL		15(0)

Total Number of Academic Units: 145(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### BACHELOR OF ARTS IN CHINESE STUDIES (Specialization in Social Sciences)

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
CSP 90	History of China	3	CSP 11	Chinese Mandarin and Culture 1	3
MATH 10	Mathematics in the Modern World	3	CSP 57	Cross Cultural Communication in a Chinese Context	3
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	NatSc 10.01	Natural Science, Lecture	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	NatSc 10.02	Natural Science, Laboratory	1
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
TOTAL		18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 12	Chinese Mandarin and Culture 2	3	CSP 13	Intermediate Chinese 1	3
CHNS-S SPEC COURSE	Chinese-S Specialization Course	3	CSP 32	Government and Politics of China	3
CHNS-S SPEC COURSE	Chinese-S Specialization Course	3	CHNS-S SPEC COURSE	Chinese-S Specialization Course	3
ArtAp 10	Art Appreciation	3	SocSc 12	The Contemporary World	3
HISTO 12	Readings in Philippine History	3	STS 10	Science, Technology, and Society	3
PHILO 11	Philosophy: The Human Condition	3	THEO 12	Theology of the Catholic Social Vision	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
TOTAL		18(2)	PHYED 4	Physical Education 4	(2)
			TOTAL		18(5)

**THIRD YEAR**

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 14	Intermediate Chinese 2	3	CSP 15	Intermediate Chinese 3	3
CSP 31	Modern Chinese Economy	3	CSP 192	Research Methods	3
CSP 33	China's Foreign Policy	3	CHNS-S SPEC COURSE	Chinese-S Specialization Course	3
PHILO 12	Philosophy of Religion	3	PHILO 13	Ethics	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)	NSTP 12	National Service Training Program 12	(3)
				TOTAL	18(3)

**FOURTH YEAR**

<u>Intersession</u>		<u>Units</u>
CSP 35	Introduction to Chinese Society	3
CSP ELECTIVE	Chinese Studies Program Elective	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSP 37	Contemporary History of Conflicts in East Asia	3	CSP 199	Research in Chinese Studies	3
CSP 40	Chinese Philosophy	3	CHNS-S SPEC COURSE	Chinese-S Specialization Course	3
CHNS-S ELECTIVE	Chinese-S Elective	3	CSP ELECTIVE	Chinese Studies Program Elective	3
SocSc 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 145(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

**MINOR IN CHINESE STUDIES**

Ever since China opened to the outside world in 1979, China's international presence has become very prominent. For the Philippines, centuries-old cultural, economic and political ties with China have increased many times over. This development has aroused much interest in learning about China. Knowledge of China's history, culture, people, language, as well as its political and economic systems will help the Philippines in strengthening its ties with China, a close neighbor fast becoming a superpower. The Minor in Chinese Studies offers students key opportunities unleashed by China's economic growth through instruction and courses on Chinese history, politics, economics, society, culture, and many more, opening graduates to wider options related to business, foreign service, and research.

*Eligibility Requirement*

Open to all Loyola Schools undergraduate students, except those pursuing AB Chinese Studies, and students with double-major/degree status in the Chinese Studies Program (CSP).

### *Admission Requirements*

To be admitted into the Minor Program, the student must be at least a sophomore at the time of application. Graduating seniors who wish to be admitted into the program must apply in the first semester of their senior year.

### *Program Curriculum*

#### Two Chinese Mandarin courses (6 units)\*

CSP 11	Chinese Mandarin and Culture 1	CSP 15	Intermediate Chinese 3
CSP 12	Chinese Mandarin and Culture 2	CSP 16	Practical Chinese for Business
CSP 13	Intermediate Chinese 1	CSP 17	Classical Chinese
CSP 14	Intermediate Chinese 2	CSP 20	Chinese Philosophy in Chinese

\* For majors that have a requirement of more than 6 credit units of a foreign language and choose Chinese Language as their FLC, only a total of 6 units of Chinese language courses may be credited towards the Minor.

#### Three Chinese Studies Electives (9 unit)

CSP 18	Hokkien 1	CSP 57	Cross Cultural Communication in a Chinese Context
CSP 19	Hokkien 2	CSP 60	Traditional Chinese Medicine
CSP 31	Modern Chinese Economy	CSP 60.13	Mind-Body Health in Chinese Medicine
CSP 32	Government and Politics of China	CSP 60.14	Gender and Sexuality in Chinese Medicine
CSP 33	China's Foreign Policy	CSP 61	Science and Technology in China
CSP 34	China-Japan Relations	CSP 70	Chinese Painting
CSP 35	Introduction to Chinese Society	CSP 70.13	Basic Chinese Calligraphy
CSP 36	Food and Chinese Culture	CSP 71	Chinese Art and Society
CSP 37	Contemporary History of Conflicts in East Asia	CSP 72	Chinese Landscape Painting
CSP 37.13	Chinese Diaspora in Southeast Asia: History, Culture, and Identity	CSP 73	Contemporary Chinese Art: An Introduction
CSP 40	Chinese Philosophy	CSP 80	The Ethnic Chinese in Philippine Life
CSP 40.13	Modern Chinese Philosophy	CSP 90	History of China
CSP 41	Introduction to Chinese Literature	CSP 90.15	History of China: Late Ch'ing to Early 21st Century
CSP 50	Doing Business in China	CSP 192	Research Methods
CSP 55	History and Culture in Chinese Films	CSP 199	Research in Chinese Studies
CSP 56	Mass Media in China		

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

CSP 11

CHINESE MANDARIN AND CULTURE 1

3 units

This is an introductory course to Chinese Mandarin using Hanyu Pinyin (Romanized phonetic approach), with emphasis on conversation through situational dialogues. Both the traditional complex form and simplified form of Chinese characters are introduced. The different aspects of Chinese culture are also introduced.

CSP 12

CHINESE MANDARIN AND CULTURE 2

3 units

Prerequisite: CSP 11

This course is a continuation of CSP 11, focusing on reading and writing to strengthen and broaden the knowledge of Chinese Mandarin and Chinese culture.

CSP 13

INTERMEDIATE CHINESE 1

3 units

Prerequisite: CSP 12 or consent of instructor

This course is an integration of conversation, listening, reading, and writing in Chinese for students who have enough background and want to learn the language more intensively.

CSP 14

INTERMEDIATE CHINESE 2

3 units

Prerequisite: CSP 13 or consent of instructor

This course is a continuation of CSP 13. This course is an integration of conversation, listening, reading, and writing in Chinese for students who have enough background and want to learn the language more intensively.

CSP 15

INTERMEDIATE CHINESE 3

3 units

Prerequisite: CSP 14 or consent of instructor

This course is a continuation of CSP 14. This course is an integration of conversation, listening, reading, and writing in Chinese for students who have enough background and want to learn the language more intensively.

CSP 16

PRACTICAL CHINESE FOR BUSINESS

3 units

Prerequisite: CSP 12 or consent of instructor

This is a course on practical business conversation and reading of business-related articles in Chinese Mandarin. Both the simplified and classical characters are used interchangeably.

CSP 17

CLASSICAL CHINESE

3 units

Prerequisite: CSP 11 or equivalent

This course is an introduction to the basic grammatical and syntactic principles of Classical Chinese for further study into any pre-modern Chinese field, whether it be history, philosophy, or literature.

CSP 18

HOKKIEN 1

3 units

This is an elective course open to students interested to learn Hokkien, the dialect of Fujian Province, the place of origin of majority of the Chinese in Southeast Asia. Hokkien is also widely spoken among Chinese Filipinos and is useful for business relations with them.

CSP 19

HOKKIEN 2

3 units

This is a course designed for students who have some background in the Hokkien dialect, and want to broaden their vocabulary and improve their proficiency.

CSP 20

CHINESE PHILOSOPHY IN CHINESE

3 units

Prerequisite: Fluency in Mandarin

This course is a close reading of Chinese philosophical texts in Chinese such as *A History of Chinese Philosophy* by Chang Ch'Ichung and *The Four Books* for students who have enough fluency in Chinese.

CSP 31

MODERN CHINESE ECONOMY

3 units

This course deals with the evolution of the Chinese economy from a centrally-planned system to one that is more market-oriented. The course reviews China's economic growth at the macro level since 1979, and examines the reforms in agriculture, industry, foreign trade, banking, and finance.

CSP 32

GOVERNMENT AND POLITICS OF CHINA

3 units

This course introduces Chinese government and politics including contemporary issues, covering the basis of the Confucian/Legalist Empire and its failure to modernize; the rise of the Communist Party; Maoism and the politics of China under Mao; and Deng Xiaoping and the post-Mao reforms.

CSP 33

CHINA'S FOREIGN POLICY

3 units

This is an introduction to China's foreign policy from a historical perspective covering the mid-nineteenth century, the formation of the People's Republic in 1949, leading to the development of Chinese foreign policy, and China's evolving participation in the international community.

CSP 34

CHINA-JAPAN RELATIONS

3 units

This course is an introduction to the history of relations between China and Japan, and the dynamics of Sino-Japanese relations in the times of conflict and peace.

CSP 35

INTRODUCTION TO CHINESE SOCIETY

3 units

This course examines the complexities of social issues in contemporary China. It approaches Chinese culture and social issues through the lenses of globalization and modernization. It also introduces theoretical tools to explore the state's one child policies, rural/urban division, and health care system in urban China.

CSP 36

FOOD AND CHINESE CULTURE

3 units

This is an overview of China's culinary history and foodways vis-à-vis Chinese society and culture. It examines the diverse roles that food plays in Chinese cultural history.

CSP 37

CONTEMPORARY HISTORY OF CONFLICTS IN EAST ASIA

3 units

The course examines the conflicts, upheavals and collective trauma that characterized East Asia (China, Japan and Korea) in the last century. The course analyzes how memories of the past are remembered and represented in the public sphere – and even subjected to contestation, negotiation, and utilization as a unifying or mobilizing force.

CSP 37.13

CHINESE DIASPORA IN SOUTHEAST ASIA: HISTORY, CULTURE, AND IDENTITY

3 units

This course surveys the histories, experiences and contributions of the diasporic Chinese communities in Malaysia, Singapore, Thailand, Indonesia and the Philippines. Emphasis is placed on the complex social and cultural processes that contribute to the on-going formation of their unique identity.

CSP 40

CHINESE PHILOSOPHY

3 units

This course is a survey of Ancient Chinese thought including a meditative study of the classical texts in translation: The Four Books as well as the Tao Te Ching and the writings of Chuang Tzu.

CSP 40.13

MODERN CHINESE PHILOSOPHY

3 units

This course is a survey of Neo-Taoism and Neo-Confucianism as well as the philosophies of China in the 19th and 20th centuries. This course is taught in Mandarin Chinese.

CSP 41

INTRODUCTION TO CHINESE LITERATURE

3 units

This course is a survey of Chinese literature from the early Qin dynasty to the post-Mao era, focusing on major literary genres, writers, and masterpieces. English translation is used.

CSP 50

DOING BUSINESS IN CHINA

3 units

This is a comparative study of the mode of entering into business in China through readings and cases on foreign businesses in China. Emphasis is on the nuances of negotiating with the Chinese through an understanding of The Art of War and other strategies often used there.

CSP 55

HISTORY AND CULTURE IN CHINESE FILMS

3 units

This course explores Chinese history and culture through highly-acclaimed contemporary Chinese films. Featured films include the works of Zhang Yimou, Chen Kaige, Ang Lee (directors); Gong Li, Winston Chao, and Maggie Cheung (actors). All films are in Mandarin Chinese with English subtitles.

CSP 56

MASS MEDIA IN CHINA

3 units

This course explores the role of mass media in China in terms of communication and information dissemination and the politics of information control. The course examines the interplay of communication and change in Chinese society and culture from a historical, cultural, institutional, and theoretical perspective.

CSP 57

CROSS CULTURAL COMMUNICATION IN A CHINESE CONTEXT

3 units

This is a course on the nuances of communications between non-Chinese and Chinese, and among Chinese from different regions, for students with basic knowledge of the Chinese language. Lectures are complemented by teacher-guided case analysis and simulated communication.

CSP 60

TRADITIONAL CHINESE MEDICINE

3 units

This is an introductory course on the basic philosophy and principles of Traditional Chinese Medicine (TCM). In the process of learning how the TCM doctor makes a diagnosis and prescribes appropriate treatment, certain basic skills in acupuncture, herbal medicine, and food therapy are taught.

CSP 60.13

MIND-BODY HEALTH IN CHINESE MEDICINE

3 units

This course investigates the Shen, and its intimate connection with the human body: their nature, dynamics, and relationship in health and in disharmony. This course introduces the Chinese practice of *qigong* – meditation and energy exercise for mental and physical health – and explores theories on personality and physiognomy, based on Chinese philosophical principles.

CSP 60.14

GENDER AND SEXUALITY IN CHINESE MEDICINE

3 units

This course explores the rich and interesting history of sexuality, sex, and gender roles in the long and colorful span of Chinese civilization and their impact on Chinese cultural affairs, philosophy, politics, society, and vice versa.

CSP 61

SCIENCE AND TECHNOLOGY IN CHINA

3 units

The course surveys the developments in science and technology in China from the earliest period up to contemporary times. It examines scientific and technological contributions of China to the advancement of human civilization. It also discusses the interconnections between science and technology with various aspects of society.

CSP 70

CHINESE PAINTING

3 units

This course is an introduction to the basics of Chinese painting including the basic skills in freehand and brushwork in Chinese traditional painting of bamboo, plums, orchids, and chrysanthemums. Advanced techniques may be taken depending on the ability of the class.

CSP 70.13

BASIC CHINESE CALLIGRAPHY

3 units

This course equips students with basic skills for calligraphic writing and the art history associated with Chinese art and culture; provides adequate knowledge to appreciate different calligraphic art works from China; and encourages self-expression and innovation in promoting Chinese culture and art.

CSP 71

CHINESE ART AND SOCIETY

3 units

This course deals with the arts and forms of symbolic expression in China. Emphasis is on the interrelationships of the arts with social, historical, technological, philosophical, and aesthetic developments. Topics include collective expressions that occasion artistic activity; Chinese aesthetic and artistic standards and their application.

CSP 72

CHINESE LANDSCAPE PAINTING

3 units

This course provides students with the basic knowledge of Chinese Landscape Painting. It is a hands-on class wherein the students learn the different techniques in using the Chinese brush. Students are rated based on their actual work submitted and improvements in class.

CSP 73

CONTEMPORARY CHINESE ART: AN INTRODUCTION

3 units

This course presents an overview of contemporary Chinese art in the post-Mao era (1976-2015+) in the context of China's history, politics, and culture as well as its socioeconomic conditions. It explores the emergence of avant-garde art as opposed to officially sanctioned art in the public sphere after the Cultural Revolution. It focuses on visual art produced primarily by artists from mainland China and explores the relationship between the State/Party and the market in the art practice of Chinese artists. It includes contemporary art produced in Taiwan, Hong Kong, and the Chinese diaspora.

CSP 80

THE ETHNIC CHINESE IN PHILIPPINE LIFE

3 units

This course explores the role of the Chinese Filipinos in Philippine life from pre-Hispanic times to the present, including the history of Chinese immigration and the impact and influence of the ethnic Chinese in education, religion, arts, business, and other aspects of contemporary Philippine life.

CSP 90

HISTORY OF CHINA

3 units

This course is a survey of the history of China from ancient times to the modern period. Topics include traditional China, the coming of the Western world, the establishment of Western hegemony, the Chinese revolutions, and the establishment of the People's Republic of China.

CSP 90.15

HISTORY OF CHINA: LATE CH'ING TO EARLY 21ST CENTURY

3 units

This course deals with modern Chinese history from the late Qing period to the Communist regime. Topics include the Canton trade, the Treaty system, dynastic decline up to the Revolution of 1911, the Kuomintang regime, Japan in China, and the Communist conquest of the mainland.



CSP 192

RESEARCH METHODS

3 units

This course is an introduction to the quantitative and qualitative tools used in research — the different research designs and data-gathering methodologies including statistical analysis as applied to research and decision-making, statistical description, statistical induction, and the analysis of statistical relationships.

CSP 199

RESEARCH IN CHINESE STUDIES

3 units

This is a course designed to help the graduating student integrate his/her study of Chinese studies. With the guidance of a faculty member, students write a research paper on a Chinese business, humanities, or social sciences topics.

# COMMUNICATION

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The Department of Communication at the Ateneo de Manila seeks to be a center for excellence in multimedia communication education and scholarship in Asia. Its programs and initiatives form ethically grounded, socially oriented media practitioners and scholars in line with the communication apostolate of the Society of Jesus. Its courses prepare students for careers in the creative industries in Asia by developing in them the competencies to communicate skillfully, creatively and professionally across a wide range of media forms, technologies and practices. Its research and creative work inform responsible media practice in Asia by generating knowledge of and promoting discourse on local and regional communication realities through theoretically informed, empirically grounded and multi-disciplinary perspectives.

The Department seeks to form students in the field of communication, information and media, to use their God-given talent in the field of communication for the service of the faith and the promotion of justice.

## BACHELOR OF ARTS IN COMMUNICATION

The Bachelor of Arts in Communication program enables students to engage with the constantly changing landscape of contemporary communication and media by offering an interdisciplinary curriculum composed of flexible tracks of studies in specialized communication fields. These are: image and sound production, journalism, film and media studies, and advertising and public relations. Grounded on a foundation of communication and media theory, research, and ethics; undergraduate students specialize in one of these tracks of study and follow a progression of courses that may be customized to his or her interest in the field. The program also includes an intersession practicum entailing professional experience in communication-related institutions and the crafting of a thesis as the culmination of their academic work.

The program equips students with the capabilities, creativity, vision, and values to pursue careers in multimedia and digital video production, print, broadcast and new media journalism, communication education, advertising, public relations, and other careers where creativity, leadership, and an acute understanding of communication is essential.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
COMM 20	Communication Theory	3	COMM 21	Media and Society	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	FLC 11	Foreign Language and Culture 11	3
SocSc 11	Understanding the Self	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
COMM 111	Creativity and Problem Awareness	3	COMM ELECTIVE	Communication Elective	3
COMM REQUIRED COURSE	Communication Required Course	3	COMM ELECTIVE	Communication Elective	3
COMM REQUIRED COURSE	Communication Required Course	3	ArtAp 10	Art Appreciation	3
PHILO 11	Philosophy: The Human Condition	3	HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3	THEO 12	Theology of the Catholic Social Vision	3
STS 10	Science, Technology, and Society	3	IE 1	Interdisciplinary Elective 1 – English	3
PHYED 3	Physical Education 3	(2)	NSTP 11	National Service Training Program 11	(3)
	TOTAL	18(2)	PHYED 4	Physical Education 4	(2)
				TOTAL	18(5)

<b>THIRD YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
COMM 23	Communication for Social Change	3	COMM 24	Science and Risk Communication	3

COMM 193/ 194	Quantitative Methods in Communication Research/Qualitative Methods in Communication Research	3	COMM 190	Communication Seminar: Contemporary Issues in Communication	3
COMM ELECTIVE	Communication Elective	3	COMM 193/194	Quantitative Methods in Communication Research/ Qualitative Methods in Communication Research	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		15(0)
	TOTAL	15(3)			

**FOURTH YEAR**

**Intersession**

COMM 197	Practicum	3
	TOTAL	3(0)

**Units**

**First Semester**

COMM 199.1	Communication Thesis 1	3
COMM ELECTIVE	Communication Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 2	Interdisciplinary Elective 2	3
FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)

**Second Semester**

COMM 22	Media Law and Ethics	3
COMM 25	Communication Management and Entrepreneurship	3
COMM 199.2	Communication Thesis 2	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)

Total Number of Academic Units: 136(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

### COMM 20

#### COMMUNICATION THEORY

3 units

This introductory course on communication theory focuses on face-to-face communication interactions marked by shared physical contexts and minimal dependence on mediating technological structures. Beginning with an overview of communication as discipline, field of study, and profession, students engage with topics such as identity formation and interpersonal communication, the development and maintenance of relationships, the management of communication in small groups and organizations, the rhetorical dynamics of public communication, and the intricacies in processes of persuasion.

### COMM 20.03

#### INTRODUCTION TO COMMUNICATION AND COMMUNICATION THEORY

3 units

This course introduces students to the fields, or universe, of communication scholarship. It begins by familiarizing students with the complications and complexities of defining communication, given how embedded it is in the practices that comprise day-to-day life. Students examine theories developed in explaining how communication 'works' across various contexts of interaction: interpersonal and intercultural conversations, relationship development and maintenance, group and organizational communication, persuasion, and media and society. Throughout the course, students are invited to explore social scientific and humanistic approaches to the discipline of communication, show critical appreciation and evaluation of communication theories, and apply them in Philippine contexts.

### COMM 20.04

#### THEORIES OF HUMAN COMMUNICATION

3 units

COMM 20.04 familiarizes students with diverse ways in which scholars have approached the nature, process, and impact of human communication. Key questions the course addresses include: What is communication? When can we say it has taken place? What are its social and cultural consequences? Do communication processes differ with changing contexts? How can communication improve social life? The course challenges students to relate theory to experience in various communication contexts and examine relationships between media and society. They are encouraged to think "theoretically": to see the workings of theoretical principles in daily experience and their implications on social life.

### COMM 21

#### MEDIA AND SOCIETY

3 units

Prerequisite: COMM 20

This course builds on COMM 20 and focuses on communication as mediated by larger structures and technologies. This course allows students to revisit their agency and capacity for meaning-making as communicators, seeing their actions as an ongoing negotiation with larger social and structural forces. This course tackles theories and concepts, again grounded in their original and ongoing historical and scholarly contexts, as ideas related to contested issues such as media effects and impact, the political economy of communication, media and culture, audiences, and social media.

### COMM 22

#### MEDIA LAW AND ETHICS

3 units

In this course, the student confronts issues arising in Journalism, Broadcast, Film, Advertising, Public Relations, Digital Media, Cyberspace and Interconnected Networks. With an understanding and application of the fundamental legal principles on Freedom of Expression, Right to Information, Right to Privacy, Intellectual Property Rights, Electronic Communications and Cyber Law, guided by decisions of courts of law in selected cases as well as evolving legal/ethical frameworks, a student formulates creative and practical

ethical and legal approaches to emerging dilemmas and conflict of rights, done through collaborative team exercises and guided class discussions.

#### COMM 23

##### COMMUNICATION FOR SOCIAL CHANGE

3 units

Through theoretical and conceptual frameworks, the course examines the role that communication and media play in developing countries as instruments of social change. It examines their role as tools of behavioral, attitude and knowledge changes among the audience in strategies of planned social change, as so called "forces of good" as well as forces that could be dysfunctional to individuals and to societal development. The individual, institutional and structural factors that influence these roles are discussed.

#### COMM 24

##### SCIENCE AND RISK COMMUNICATION

3 units

This course introduces students to concepts and theories in science and risk communication as they are applied to humanitarian emergencies. In particular, this course examines communication with various groups prior to, during, and after the onset of high risk situations such as environmental disasters and widespread health situations, as well as the roles of science and scientists in communication. This course uses case studies of high risk health, environmental, and agricultural situations at the local, regional, and international levels to a) familiarize students with communication strategies used by agencies to deal with these emergencies, and b) provide students a platform to critique science and scientists and their roles in these emergencies from the perspectives of both theory and practice.

#### COMM 25

##### COMMUNICATION MANAGEMENT AND ENTREPRENEURSHIP

3 units

Modern businesses and enterprises need to keep up with the constantly evolving consumer and audience preference. This is particularly true for media organizations, as they address the demands of clients, the changing preferences of a fickle audiences and are vulnerable not only to trends in industry but to the rapid evolutions of communication technologies. This course is designed to teach students the role of communication and media in modern business practice, and how to apply business principles to multimedia enterprises. Students also engage the principles of knowledge management to the management of communication entrepreneurial endeavors.

#### COMM 26

##### INFORMATION SOCIETY

3 units

Prerequisite: COMM 20.03

The course surveys the socio-cultural consequences and dimensions of new information and communication technologies (ICTs). Multidisciplinary perspectives shed light on the ways new media are integrated into everyday life and how they are implicated in socio-cultural formations and transformations, Students examine practices emerging from new media uses and appropriations through a critical appreciation of theoretically informed studies.

#### COMM 27

##### VISUAL THINKING FOR COMMUNICATION MANAGERS

3 units

"The greatest value of a picture is when it forces us to notice what we never expected to see" (John Tukey, 1977 p.vi) This is a course that encourages students to take a theoretical and experiential approach to the process of creative visualization. Students engage in various programmed exercises designed to trigger and strengthen visual thinking and creativity, They are introduced to different methods and techniques such as conceptualization, brainstorming, problem solving, and data visualization as a means to solve problems and create personal and professional opportunities.

### COMM 31

#### ADVERTISING PRINCIPLES AND PRACTICES

3 units

This is a basic advertising course that introduces the student to the exciting field of advertising while integrating the various related principles and concepts of marketing and communications. The global reengineering of the advertising agency, resulting in media independents competing neck-to-neck with the once all-powerful agency, strategic planning as a separate pillar within the agency, and the over-all unbundling of services, all make the ad industry scenario burst with ever-new challenges. Added to these, television networks now don creative hats in addition to their core competencies, competing likewise in the creative and production servicing of company-clients. These are the environs that students are exposed to for the entire semester.

### COMM 32

#### AUDIENCE AND CONSUMER RESEARCH

3 units

This course develops students' competence in Consumer Research Tools and applications to get at the valuation of a decision. The course also teaches students to translate market dynamics to actionable programs principally in marketing and communications.

### COMM 33

#### ADVERTISING IN THE DIGITAL WORLD

3 units

Prerequisite: COMM 31

Advertising in the digital world is designed to make students understand how advertising principles and practices are rapidly evolving with the emergence of digital and data. The course covers how digital and data has affected and disrupted the fields of brand-building, creativity, activation, production, strategy, and account management.

### COMM 36

#### INTRODUCTION TO PRODUCTION (RADIO)

3 units

This course is an introduction to the basic concepts and techniques of production and broadcasting in general, and specifically by means of radio, the most pervasive mass medium in the Philippines, with hands-on training on the principles and practices of sound broadcasting.

### COMM 36.03

#### ADVANCED RADIO PRODUCTION

3 units

This is a study of contemporary strategies in radio programming, station management, news and public affairs, documentary features and music programs, sales and promotion, and audience research. Practical exercises include multi-track digital audio recording and editing.

### COMM 37

#### SOUND RECORDING

3 units

This course is a study of the local recording industry in relation to the international audio recording scene, with an overview of how a typical recording company works, and comprehensive hands-on training in audio recording processes.

### COMM 38

#### BASIC VIDEO/TV PRODUCTION

3 units

This course discusses the fundamentals of using the medium of video, television, and film through theory and critical viewing of professional works. Building upon theoretical foundations, students engage in the

laboratory activities that are industry simulations. Students are exposed and trained for a fast paced media practice and environment. Collaboration is a cornerstone of any production work. Students train in a collaborative environment in the disciplines of pre-production, video techniques, post-production, and production management as they structure and create their own productions.

#### COMM 38.03

##### ADVANCED VIDEO/TV PRODUCTION

3 units

This course is a study of studio- and field-based television/video production and operations utilizing multi-camera techniques in both live and pre-recorded set-ups. Project work involves news, drama, variety shows and situation comedies, children's programs, and educational programs for adults.

#### COMM 39

##### EDITING TECHNIQUES AND TECHNOLOGIES

3 units

Editing Techniques and Technologies tackles both the technical and creative side of editing. The course goes through different editing theories, concepts, and creative editing techniques, which are applied to film and video projects using Adobe Premiere Pro CC 2017. Students study the art and craft of editing as a potent tool for storytelling by analyzing examples from classic and contemporary films and exploring other uses of editing modes taught in class. Through classroom lectures, discussions, and exercises, they get to work with others on assigned projects, so they experience the realities an editor faces when building a story, across different formats and genres.

#### COMM 40

##### ACTING AND DIRECTING: DIRECTING FOR TV

3 units

This is an introduction to production management. Focus is on the supportive elements of production, such as sets, costumes, make-up, location shooting, layout, titling and graphics; the principles and practices of production management, such as financing, planning and organization, project monitoring and direction, marketing and administration.

#### COMM 41

##### PRODUCTION DESIGN AND MANAGEMENT

3 units

This course focuses on two key creative aspects of image and sound production: production design and production management. Production design covers the design and implementation of the overall look of a film and television project, including story and character analysis, set design, props, costume design, hair and make-up, lighting design and sound design. Production management covers the key areas of planning, organization, and implementation of the film or TV project, including pre-production, budgeting, financing, casting and crew hires, location management, post-production management, distribution, publicity and promotions. This is a hands-on, practice-oriented course.

#### COMM 42

##### WRITING FOR FILM

3 units

This course is a study of the theories and practices of film scriptwriting.

#### COMM 43

##### CINEMATOGRAPHY

3 units

This course is a study of the basic elements of the art and craft of film and electronic cinematography, with an introduction to 35mm still photography and exercises in actual lighting set-ups. Topics include film stock, composition, illumination, camera movement, and other tools of filmmaking.



COMM 44  
INTRODUCTION TO GRAPHIC DESIGN  
3 units

This course is a study of the basic elements of the art and craft of film and electronic cinematography, with an introduction to 35mm still photography and exercises in actual lighting set-ups. Topics include film stock, composition, illumination, camera movement, and other tools of filmmaking.

COMM 45  
ENVIRONMENTAL GRAPHICS: VISUAL COMMUNICATION  
3 units

This course provides students with a solid grounding in visual literacy. Class discussions and projects immerse students in the basic essentials of the visual vocabulary, from the simplest units of visual information to the utilization of visual elements and technique.

COMM 46  
PERFORMANCE AND PRESENTATION: ISSUES IN PERFORMANCE  
3 units

The Filipino broadcast, musical or stage performer is one of the best in the world. However, he/she is confronted by various pressures that can affect the performance. This course surveys the artistic, social, economic and political factors that hinder or boost performance. The overall objective is to guide the performer on his/her journey to understand, adapt and even overcome the obstacles to an effective and impactful performance. Students interact with media practitioners, musicians, stage performers and broadcast presenters throughout the course.

COMM 47  
AUDIO AND VIDEO PRODUCTION TECHNIQUES  
3 units

This is a foundation course that equips students with necessary skills and discipline to pursue and apply audiovisual production techniques. These fundamental skills are practiced through exposure to film and media theory, critical viewing of professional works, and application through production. Students engage in the laboratory activities that are industry simulations, enabling them to be exposed and trained for a fast paced media practice and environment. These exercises necessitate off-campus engagements, and above average amount of personal and independent study.

COMM 48  
BASIC PHOTOGRAPHY  
3 units

This course is an introduction to photography and the application of its basic principles, presenting photography as a professional and aesthetic medium of communication.

COMM 61  
ELEMENTS OF SCREEN ARTS  
3 units

This course studies the theory and appreciation of the art of cinema in its artistic and technical elements in order to enhance the students' film-viewing experience. It limits itself to the analysis of the American model as the prime example of the cinematic art. This course greatly helps the Communication majors and the non-Com students in honing their intellectual and scientific pursuits in their chosen profession.

COMM 62  
FILM HISTORY: THEORY AND PRACTICE  
3 units

This course introduces film historical scholarship that examines key figures, films, and movements in the history of international motion pictures. The course serves as a springboard for continuing research for film scholars and as an aesthetic font for the creation of films for filmmakers.

COMM 64  
INTERDISCIPLINARY APPROACHES TO FILM STUDIES

3 units

This course is a study of the different ways in which film studies have been combined with other disciplines, such as philosophy, theology, and history.

COMM 64.03  
INTERDISCIPLINARY APPROACHES TO FILM STUDIES: PHILOSOPHY AND FILM

3 units

This course is an introduction to the philosophic study of film. The course examines cinema as both a symptom and a cause of the postmodern condition, serving as an introduction to philosophical postmodernism and its critique of classical metaphysics.

COMM 64.04  
INTERDISCIPLINARY APPROACHES TO FILM STUDIES: THEOLOGY AND FILM

3 units

This course is an introduction to the study of film, particularly its theological implications.

COMM 64.05  
INTERDISCIPLINARY APPROACHES TO FILM STUDIES: LITERATURE AND FILM

3 units

This course examines the diverse relationships among history, literature, and film. Topics include the relevant historical materials and issues for evaluating the work of dramatists and moviemakers, the nature of different disciplines, and movies as a hindrance or help to the teaching of literature.

COMM 64.06  
INTERDISCIPLINARY APPROACHES TO FILM STUDIES: HISTORY AND CULTURE IN CHINESE FILM

3 units

This course explores Chinese history and culture in contemporary films. Film-viewing is complemented by readings and class discussions. Featured films include the works of famous directors and actors such as Ang Lee and Maggie Cheung. All films, if not in English, have English subtitles.

COMM 76  
INTRODUCTION TO JOURNALISM

3 units

The course is an overview of the profession and craft of journalism, the foundation on which the student builds future learning of journalism skills and inquiry into journalism concepts and issues. Journalism is about gathering and disseminating news, information, analysis and commentary through traditional and digital means. It serves a public purpose and is a crucial ingredient in a democratic society. It has theoretical, philosophical and sometimes political dimensions to the profession, which the course likewise touches on.

COMM 77  
NEWSWRITING

3 units

This is a workshop in news writing toward sharpening writing skills for possible entry-level work as news writers.

COMM 78  
FEATURE WRITING

3 units

This is a workshop class on a variety of topics and techniques toward professional feature writing.

COMM 78.03

FEATURE WRITING: WORKSHOP

3 units

This workshop enables students to accomplish a book-length project. The project may be literary journalism or creative nonfiction, funny or serious, past or present, simple or complex; it must, however, be true and compelling. This is an intensive course for serious would-be authors only.

COMM 79

NEWS PRODUCTION AND MANAGEMENT

3 units

This course is a study of the theory and practice of writing for print media, toward news writing and production.

COMM 80

INVESTIGATIVE JOURNALISM

3 units

This course deals with investigative reporting. Topics include the social impact of investigative reporting, legal and ethical considerations, problems and dilemmas faced by investigative journalists in the Philippines and Southeast Asia, and investigative techniques and skills used by practicing Filipino and foreign investigative journalists.

COMM 81

HEALTH AND ENVIRONMENTAL JOURNALISM

3 units

This course is an introduction to the reporting of health and environmental information and issues, in which the presentation of scientific data is balanced against the risks of raising public awareness.

COMM 82

BUSINESS AND ECONOMIC REPORTING

3 units

This course is an introduction to the fields, issues, forces, and methods of communication in the business world, particularly the stock and capital markets. The basic principles and elements of journalism and news writing are studied, emphasizing the framing and writing of business-related journalism reports.

COMM 83

BROADCAST JOURNALISM

3 units

This course deals with the theory and practice of broadcast journalism and its roles and functions in a developing country. Topics include information gathering, effective writing, and professional presentation; relationships between news/information gathering and program production; and critical issues and current trends in the news industry.

COMM 84

SOCIAL MEDIA JOURNALISM

3 units

This course grounds students on how social media has emerged as a powerful news delivery and gathering platform, and teaches them how to harness that power to generate compelling news content and enlightened journalism. Cognizant of the dangers and pitfalls that come with social media as a platform, the course also discusses limitations of social media, and its inherent weakness as a fast but usually short-form media. Ultimately, the course hopes to teach students how to use social media as a responsible journalism form and format.

COMM 85  
ISSUES IN SCIENCE COMMUNICATION

3 units

This course introduces students to the basics of communication issues, concerns, practice, and theory as they are applied to scientific issues. This course is designed so that undergraduate students can appreciate and engage the basic theoretical concepts, practices, issues, and scientific knowledge in the field of science communication. Using theory, philosophy, and lessons from history, this course allows students to criticize current science communication from both theoretical and practical perspectives, as well as present plans for science communication materials to meet specific needs and goals.

COMM 86  
INTRODUCTION TO BROADCAST MEDIA

3 units

This course teaches the basic principles and processes of broadcast media in the Philippines. It acquaints the student with various approaches on how television and radio programs and emerging platforms for news information are planned, managed and produced.

COMM 91  
TECHNOLOGY AND CULTURAL FORM

3 units

This course is a study of different media technologies and their socio-cultural formation and practice. The course may alternatively be focused on particular media, e.g. radio, television, print, and film.

COMM 91.03  
TECHNOLOGY AND CULTURAL FORM: RADIO

3 units

This course is a study of radio in its socio-cultural formation and practice, and as media technology that is especially relevant to development communication in the country.

COMM 91.04  
TECHNOLOGY AND CULTURAL FORM: TELEVISION

3 units

This course leads students into a critical and contextual examination of the structures – both narrative and institutional – that shape the production, distribution, and consumption of the cultural experience of television. While a specific television program is used as the core media text for in-class screenings, students are expected to also bring their own TV viewing habits and practices to bear upon class discussions by choosing a television program they are currently watching, to serve as a counterpoint to their viewing of our selected TV show.

COMM 92  
THE INFORMATION AGE

3 units

This course deals with the state of the art and practice of communication in the contemporary world. Focus is on new communication technologies and their influence on developing and developed countries, and the social effects of communication and its relationship to the international community.

COMM 111  
CREATIVITY AND PROBLEM AWARENESS

3 units

This course introduces students to the concept of Creativity and the Creative process. It sees Creativity as essential to various endeavors, and as such, it is explored both as an artistic process as well as a platform for innovation. It is a journey taken to understand how Creativity can improve existing systems and methodologies, alongside habits and mindsets that contribute towards its hindrance. Through various exercises and activities, the course seeks to unlock the resourcefulness and powers of imagination inherent

in every individual. The approach is to take oneself out of the comfortable and familiar so as to elicit a sense of displacement, resulting towards renewed attributes of boldness, honesty and genuineness. Furthermore, mindful of the premise that solutions can be improved and problems, solved through Creative means, the course hopes to instill a bias for the unconventional, and promote Creativity as a means for developing oneself. Ultimately, the goal is to bring people to the realization that one's Creativity is not just a reflection of a free spirit that everyone should strive to have, it is also a force in shaping the world and contributing to the betterment of all.

COMM 113  
PUBLIC RELATIONS  
3 units

This presents an introductory course to public relations as a managerial and communication undertaking. In this era of information overload and immediacy, there is a need for individuals and organizations to make messages rise above the noise to be effective. The course seeks to sharpen written, visual, and oral communication skills in creating and executing PR tools and programs.

COMM 113.03  
PUBLIC RELATIONS: CREATING PR TOOLS  
3 units

This course is a study of the tools used to communicate messages, create awareness, or project an image of an organization, and of the strategies, creative thinking, and understanding of Filipino sensitivities that go into their creation.

COMM 113.04  
PUBLIC RELATIONS: EVENTS MANAGEMENT  
3 units

This course frames the event as a production, using techniques from theater, entertainment, and music formats to enhance flow, efficiency, impact, and success. Regardless of reason, events have a life of their own that must be nurtured and a production perspective encourages exactly that.

COMM 115  
ADVERTISING MANAGEMENT  
3 units

This course is a study of the managerial and strategic responsibilities of advertising account managers. Emphasis is on their roles in relation to clients, the advertising agency, the advertising industry, and the consumer.

COMM 116  
SOCIAL MARKETING  
3 units

This course examines the different concepts, principles, and tools of social marketing and how they are applied to address social problems and current issues. It introduces students to the origin and development of social marketing as a key developmental strategy for instituting reforms.

COMM 120  
INTRODUCTION TO MEDIA STUDIES  
3 units

This course approaches media phenomena from a critical perspective. It adopts a critical stance towards media and mediation, and the practices of power that are implicated in both. It views media industries and technologies, production and reception as intersections of conflicting and contradictory political, economic, and social interests, and media products as cultural commodities that acquire meaning through processes of representation, identification and consumption. Essentially, it urges students to gaze analytically, speculatively at a media-saturated society, and then work towards a world with more equal distributions of political, economic, cultural and symbolic power.

COMM 121

GLOBAL MEDIA CULTURES

3 units

This is a cluster of electives that examine the production, reception, and circulation of media from different global centers through interdisciplinary, critical, and historical modes of inquiry.

COMM 121.03

GLOBAL MEDIA CULTURES: INDIA

3 units

This course is a study of the media cultures of India. Topics include the nature and context of audiences' engagements in different genres such as news, soap, advertisements, music, and film; the political economy of Indian media institutions; and the production practices of media organizations.

COMM 122

MEDIA AND SOCIETY

3 units

This is an introductory course on the impact of a society on its media, and the influences and effects of mass media on society. Emphasis is on the problems of Philippine mass media in the light of historical developments, current conditions, and national development goals.

COMM 122.03

MEDIA AND SOCIETY: AUDIENCE STUDIES

3 units

This course examines various conceptions of how audiences are understood as media consumers and participants. Students engage with scholarship that tackles the significant theoretical and methodological concerns that have influenced the trajectory of the field over time. The course also explores the broader sociocultural implications of the changing media environment on the conceptualization of media audiences, critically interrogating the power dynamics that underpin the relationship between industry and audience, alongside notions of audience control and empowerment.

COMM 180

SPECIAL TOPICS IN PRINT JOURNALISM

3 units

This course is a study of special topics and issues in print journalism, such as the role of publishers and advertisers, special issues like risk and public health, and matters that arise from the role, pervasiveness, and reach of the print media.

COMM 180.03

SPECIAL TOPICS IN PRINT JOURNALISM: ISSUES IN JOURNALISM

3 units

This course examines local and global topics in print, broadcast, and electronic journalism. Topics include the history of journalism, local/community journalism, issues in journalism ethics, gender issues, cultural issues, transformations in the journalistic workplace, and transformations in the content and design of journalistic products.

COMM 180.04

SPECIAL TOPICS IN PRINT JOURNALISM: SPORTSWRITING

3 units

This course is an introduction to literary sports journalism. Seminal sports writing tools of some of the best journalists in the field are surveyed and applied by students in their own reporting and writing through class assignments.

COMM 180.05

SPECIAL TOPICS IN PRINT JOURNALISM: EDITORIAL AND OPINION WRITING

3 units

The course provides the students with a knowledge of what makes a good opinion piece and the ability to write persuasive op-ed material themselves. It focuses on reading and analyzing actual editorial and column examples from local and international media. Since this is a writing course, students should expect considerable writing assignments. Their output is not just graded by the teacher but critiqued by their classmates. They should be ready to give and receive valid criticism to and from their peers. At the start of the semester, the students need to have an awareness of current events, both in the Philippines and outside it, familiarity with all platforms of journalism (print, broadcast, online and social media), and working knowledge of issues confronting opinion writers in the Philippines and across the globe. At the end of the semester, the students will be able to produce content at par with the standards of journalism. Finally, they will be able to situate themselves in the context of Philippine journalism especially if they are considering a career in media.

COMM 180.06

SPECIAL TOPICS IN PRINT JOURNALISM: CRITICAL WRITING

3 units

This is a training course toward analytical thinking for research and writing, and the appreciation of the forms of critical writing, such as research studies, project studies, academic papers, theses, and dissertations.

COMM 180.08

SPECIAL TOPICS IN PRINT JOURNALISM: COMMUNITY JOURNALISM

3 units

This is a seminar/workshop on the state of Philippine community news-papers (metropolitan dailies and small-town papers), their operations, and issues of concern. Students design a prototype of a viable community newspaper.

COMM 180.13

SPECIAL TOPICS IN PRINT JOURNALISM: ONLINE JOURNALISM

3 units

This course deals with the evolving differences between print/traditional and online journalism in terms of data gathering, content style, content management, data processing, and presentation, and how at the same time the fundamentals of journalism stay the same. Topics include new media tools in journalism.

COMM 180.15

SPECIAL TOPICS IN PRINT JOURNALISM: PHOTOJOURNALISM

3 units

This course discusses photojournalism. Topics include strategies and genres, camera functions, creative controls for exposure and composition, the history of photojournalism since the camera's invention, and classifications of news photography. Students design a functional digital workflow and create a website/blog for uploading of photography outputs.

COMM 180.16

SPECIAL TOPICS IN PRINT JOURNALISM: WRITING ABOUT CULTURE

3 units

This course exposes the student to various products of culture and media, and then equips them with the proper skills to be able to write professional-quality, publication-ready review essays. Reviews are an extremely popular and in-demand writing form that thrives across all platforms, but most obviously in print and online. The course presents the students with examples of cinema, television, publishing, culinary arts and other areas of creative work. The course also allows the student to select their own areas of expertise and interest, a process that is followed by the students' developing a critical approach to those same areas.

COMM 181

SPECIAL TOPICS IN BROADCAST JOURNALISM: PUBLIC AFFAIRS BROADCASTING (RADIO)

3 units

This course discusses special topics and issues in broadcast journalism that arise from its growing role in public affairs, national development, and world communication.

COMM 181.03

SPECIAL TOPICS IN BROADCAST JOURNALISM: BROADCAST MANAGEMENT

3 units

This course deals with the different principles and problems of running a radio or television station (with emphasis on television) in the Philippine setting.

COMM 181.04

SPECIAL TOPICS IN BROADCAST JOURNALISM: ISSUES IN BROADCAST JOURNALISM

3 units

This course is a critical look at relevant and controversial issues in broadcast journalism within the framework of ethics and journalistic values and standards. Primary focus is on television with an occasional eye on radio.

COMM 182

SPECIAL TOPICS IN ADVERTISING

3 units

This course is a study of topics that arise from the vitality of the advertising industry, and its potential power as a means of communication. Topics may include institutional advertising, its role in politics and public affairs, industry practices, and ethics.

COMM 182.03

SPECIAL TOPICS IN ADVERTISING: MEDIA MANAGEMENT

3 units

This course deals with management functions in a media enterprise setting and systems approach in management. Discussions include case studies on media management concerns such as management-labor relations, manpower planning, and development; technology upgrading and acquisition; advertising, marketing, and circulation; production; and ethical and legal issues.

COMM 182.04

SPECIAL TOPICS IN ADVERTISING: BRANDING OPPORTUNITIES AND CHALLENGES

3 units

The rapid shifts in consumer behavior have made significant impact on brands – how they are perceived, received or even rejected. This greatly impacts the marketing communication and solutions they need to offer their consumers. Thus, this course teaches students the basics of brand-building, the different ways brands communicate, the significant issues they face today, and strategies for responding to these issues even in rapidly-changing market environments.

COMM 182.05

SPECIAL TOPICS IN ADVERTISING: CREATIVE WRITING FOR ADVERTISING (PRINT, TV, COLLATERALS)

3 units

This course deals with the creative function of an advertising agency, with an emphasis on copywriting and concept development. The class familiarizes students with the inner workings of the creative department and trains them to harness their creativity into brand communication materials.

COMM 182.06

SPECIAL TOPICS IN ADVERTISING: BROADCAST ADVERTISING

3 units

This is an intensive theoretical and technical course on principles of broadcast advertising, specifically, television production in advertising. It is creative and technical in nature, utilizing students' left-brain and right-brain thinking. Topics include theories, methods, and techniques for practical hands-on application in producing television commercials.



COMM 182.07

SPECIAL TOPICS IN ADVERTISING: ISSUES IN ADVERTISING

3 units

This course looks into the ins and outs of the advertising profession. It analyzes the advertising industry in the Philippines in particular, zeroing in on the problems that beset the practice of advertising vis-à-vis what should be ideal.

COMM 182.08

SPECIAL TOPICS IN ADVERTISING: NEW MEDIA ADVERTISING

3 units

This course engages students to see how new media complement traditional advertising formats. The information age has opened up new platforms to advertise products and services. Virals, social communication networks, and even cellular phones are redefining the advertising landscape.

COMM 182.09

SPECIAL TOPICS IN ADVERTISING: THE ADVERTISING INDUSTRY

3 units

This specialized course allows students to listen to the country's very top executives, whose corporations are renowned for marketing effectiveness and cutting-edge advertising in their respective categories, all grounded in advertising and integrated marketing communications.

COMM 182.13

SPECIAL TOPICS IN ADVERTISING: THE PHILIPPINE MUSIC INDUSTRY

3 units

This course explores the key aspects of the music business, covering the industry in general and certain aspects of the Philippine music scene in particular. Topics include the structure of a record company; artist and songwriter contracts; music marketing, publishing, and distribution; and industry trends.

COMM 182.14

SPECIAL TOPICS IN ADVERTISING: STRATEGIC PLANNING

3 units

This course is an introduction to strategic planning for marketing communications. Students internalize the fundamental principles of strategic planning in order to understand the planning systems of advertising agencies and client marketing organizations. Focus is on basic planning tools and commonly-used research resources.

COMM 182.15

SPECIAL TOPICS IN ADVERTISING: INTEGRATED MARKETING COMMUNICATIONS

3 units

Integrated Marketing Communication is an introduction to the theory and practice of the IMC approach in communication. It goes beyond traditional marketing's "one voice, one message" approach of integration. IMC is a "customer focused, channel centered and results driven" strategic process and integration starts with the consumer, happens through all points of contact, and results in measurable and financial terms. In addition, the course takes the student through the 5 steps of the IMC communication model from understanding and knowing the consumer to evaluation of the communication plan.

COMM 183

SPECIAL TOPICS IN CULTURE AND COMMUNICATION

3 units

This course is a study of different issues in media and communication studies. Discussions cover issues in gender and the media, politics, propaganda, education, health, environment, and development

COMM 183.03

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: POLITICAL COMMUNICATION

3 units

This course studies how communication and the media influence political behavior. Topics include the contemporary theoretical approaches to political communication; propaganda, persuasion and communication in politics, political campaigns, voting behavior; the setting of political communication; and the methods of study and analysis of political communication.

COMM 183.04

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: COMMUNICATION AND ENVIRONMENT

3 units

This course is an introduction to the principles, methods, and current practices in environmental information and issues. Focus is on the comprehension and presentation of scientific data balanced against the risks of misinformation, fear, and alarm entailed in raising public awareness.

COMM 183.05

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: DEVELOPMENT COMMUNICATION

3 units

This course deals with the phenomenon of development communication in the context of developing countries. Topics include the theories and principles underlying it, approaches used in communicating to target audiences to promote social change, and the difficulties that must be overcome in reaching these audiences.

COMM 183.06

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: ISSUES IN PERFORMANCE

3 units

This course is a review and discussion of aspects of the Philippine cultural landscape such as music, performance, local humor, creativity, television, movies, books, etc. to encourage critical and incisive investigation of topics in the areas of culture and performance.

COMM 183.07

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: MASS MEDIA IN CHINA

3 units

This course explores the role of mass media in China vis-à-vis the Chinese Government in terms of communication and information dissemination and the politics of information control. It examines the interplay of communication and change in Chinese society from historical, political, cultural, institutional, and theoretical perspectives.

COMM 183.08

SPECIAL TOPICS IN CULTURE AND COMMUNICATION:  
POETICS OF FORM IN NEW MEDIA AND LYRIC POETRY

3 units

This interdisciplinary course explores intersections between new media and lyric poetry, placing discussions of media saturation today alongside the reading of selected poems. Students write and present their own poems in workshops, demonstrating the persistence of lyric forms as vital responses to contemporary life.

COMM 183.09

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: THE KOREAN WAVE

3 units

This course explores the Korean Wave in a globalized world. Drawing from socio-cultural, economic, political, and media studies perspectives, students learn about the production, distribution, and audience reception of Korean pop music and television series in Asia (especially ASEAN), U.S., and Europe in the context of a communication landscape that is increasingly digitized, wired, and globalized. At the end of this course, students should have a multidisciplinary understanding of the Korean Wave phenomenon as well as a deeper understanding of the Korean Wave as a confluence of global factors and new media technologies, and how this phenomenon affects their daily lives.

COMM 183.14

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: MEDIA AND GLOBALIZATION

3 units

This course discusses the media's role in processes of globalization and its social, political, cultural, and moral relevance. It enables students to critically evaluate the media's capacity to make distant others visible and recognize their duty to be responsible consumers and producers in today's world.

COMM 183.15

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: MEDIA AND THE DIASPORA

3 units

This course is an examination of the relationship between media and the diaspora. Using historical and critical frameworks, the course surveys different diasporic groups (e.g. Filipino, Indian, Chinese, Greek, Malaysian, Black, and Latin American) and their consumption, production, and reception of traditional and new media.

COMM 183.16

SPECIAL TOPICS IN CULTURE AND COMMUNICATION: GENDER AND THE MEDIA

3 units

This course is a study of the images of men and women in radio, television, film, print, and advertising. The course also examines gender issues as presented in the media, including traditional biases, current practices, stereotypes, and achievements.

COMM 184

SPECIAL TOPICS IN COMMUNICATION

3 units

This course is a study of different issues in media and communication studies. Discussions cover issues in gender and the media, politics, propaganda, education, health, environment, and development.

COMM 184.04

SPECIAL TOPICS IN COMMUNICATION: PERFORMANCE PRESENTATION

3 units

This is a training course on appropriate writing, speaking, camera and microphone techniques, and presentation styles required for effective communication in the expanding media industry and related fields such as business and advertising.

COMM 185

SPECIAL TOPICS IN PRODUCTION

3 units

This course is a discussion of specialized production topics, such as news production, video editing, and special effects.

COMM 185.03

SPECIAL TOPICS IN PRODUCTION: FILMMAKING WORKSHOP

3 units

This is a guided collaboration between actors, writers, directors, cinematographers, editors, and art/production directors geared toward the production of a film/television project with the instructor functioning as executive producer. The course focuses on establishing a collaborative process between the participants on all the aspects of production: script preparation and composition, actor improvisation and scene work, casting, rehearsal and production (location scouting, set preparation).

COMM 185.04

SPECIAL TOPICS IN PRODUCTION: MEDIA MANAGEMENT

3 units

This course deals with management functions in a media enterprise setting and systems approach in management. Topics include case studies on specific media management issues e.g., management-labor relations, manpower planning and development, technology upgrading and acquisition, advertising, marketing, circulation, production, and ethical and legal considerations.

COMM 185.05

SPECIAL TOPICS IN PRODUCTION: DIGITAL VIDEO FILMMAKING

3 units

This course melds new technology (digital video) with traditional methods of shooting film. It is a production class that arms the student with the knowledge of how to make a movie without the cost and hassle of getting too technical.

COMM 185.06

SPECIAL TOPICS IN PRODUCTION: SONGWRITING

3 units

The course guides the student in the production of songs for a music album that creates audience interest and satisfies its demand for quality music. Through extensive listening sessions and exercises in a music studio, the student learns different musical genres to help his/her own songwriting and production. The student also gains hand on-experience in the studio recording process.

COMM 185.09

SPECIAL TOPICS IN PRODUCTION: FILM ACTING

3 units

This is a workshop course on how to act for video and film. Topics include methods of acting and reacting, blocking and business, voice projection, character focus, as well as performing in long, medium and close up shots. Discussions also cover the differences between film and stage acting.

COMM 186

SPECIAL TOPICS IN FILM PRODUCTION

3 units

This is an introductory course to the business and art of film production. Topics include basic lessons in project conceptualization, budgeting, packaging, production planning and management, and motion picture marketing, as well as the application of the basic principles of film production at various levels.

COMM 186.03

SPECIAL TOPICS IN FILM PRODUCTION: ANIMATED FILM

3 units

This course is a study of the basic principles and techniques of animation as applied to media, such as film and television. Topics range from the simplest type of frame-by-frame animation to the latest techniques of computer animation.

COMM 186.04

SPECIAL TOPICS IN FILM PRODUCTION: THE SHORT FILM

3 units

This is a workshop course on film production techniques, approaches, and theoretical discussions. Focus is on short films and the realities of "independent" and alternative filmmaking.

COMM 186.05

SPECIAL TOPICS IN FILM PRODUCTION: FEATURE FILM DIRECTING

3 units

This course exposes students to a wide range of directorial styles in feature films. The director's hand in the various elements of filmmaking like scriptwriting, production design, and casting are likewise discussed.

COMM 186.06

SPECIAL TOPICS IN FILM PRODUCTION: DOCUMENTARY FILM

3 units

This course is an introduction to the various aesthetic and ideological strategies employed in the making of the documentary film. Topics include the poetics of the documentary film, the issue of authorship in the non-fiction film, cinema verite, social commentary, and propaganda.

COMM 187

SPECIAL TOPICS IN FILM STUDIES

3 units

This course is a study of different issues and forms within film studies, such as the documentary form, women in film, cinema and modernity, and film education.

COMM 187.03

SPECIAL TOPICS IN FILM STUDIES: THE DOCUMENTARY FORM

3 units

This course is a study of the history, development, and salient characteristics of the documentary film, its impact in the present, and its potential for the future.

COMM 187.04

SPECIAL TOPICS IN FILM STUDIES: THE INDEPENDENT FILM

3 units

This course deals with the appreciation and production of independent films. The appreciation aspect focuses on the history and current state of American Independent Cinema. The Philippine Independent Cinema movement is thoroughly explored, with the intent of having students become part of this movement themselves.

COMM 187.05

SPECIAL TOPICS IN FILM STUDIES: WOMEN IN FILM

3 units

This course explores women as film actors and directors, as auteurs and writers, as well as of women as subject of, and as treated in films.

COMM 187.06

SPECIAL TOPICS IN FILM STUDIES: CINEMA AND MODERNITY

3 units

This course is a study of cinema as a favored medium for the transmission of modernity, e.g., values, myths, ideas, ideology, and meaning.

COMM 187.07

SPECIAL TOPICS IN FILM STUDIES: AUTHORSHIP IN CINEMA

3 units

This course examines the range of theories of cinematic authorship against the contexts of trends and traditions in contemporary philosophy as well as production practices and stylistic signatures of selected filmmakers. The films selected are taken from the body of work of two filmmakers, in order to contrast the differing ways in which the production of film art activates the concepts behind the theories that people have used to understand the nature of film authorship.

COMM 190

COMMUNICATION SEMINAR: CONTEMPORARY ISSUES IN COMMUNICATION

3 units

The course surveys current theoretical and methodological approaches, disciplinary concerns and emergent phenomena in communication and media studies. Through lectures, seminars and papers, students interrogate themes, concepts and research articles. Course topics include local, regional and global media

issues and communication processes, especially the mediatization of everyday life and its social, political and cultural consequences.

COMM 191  
FILM SEMINAR

3 units

This course is an introduction to comparative filmmakers, film cultures, and genres in Philippine and world cinema.

COMM 191.03  
FILM SEMINAR: ASIAN CINEMA

3 units

This is a course on the exotic beauty and rich cultural heritage of our neighboring Asian countries which are depicted in their award-winning films. Students enhance their appreciation of the cinematic art and unique technique of Asian cinema.

COMM 191.05  
FILM SEMINAR: JAPANESE CINEMA

3 units

This course is a study of Japanese films as alternative texts for analyzing and understanding Japanese concepts such as kinship, honor, loyalty, and obligation.

COMM 191.06  
FILM SEMINAR: KOREAN CINEMA

3 units

This course explores modern Korean cinema and society. Special focus is given to films produced during Korean Wave/Hallyu (late 1990s - present) such as Korean-style blockbusters, so-called "well-made films" and independent films. Students are introduced to the works of major Korean directors like Im Kwon-Taek, Park Chan-Wook, Lee Chang-Dong, Kim Jee-Woon, and Im Sang-Soo. Selected short readings are given to aid students' understanding and appreciation of Korean culture.

COMM 191.07  
FILM SEMINAR: INDIAN CINEMA

3 units

This is a course on Indian cinema which is one of the most dynamic and vibrant, deeply steeped in tradition and culture. Examples from classic Indian films like those of Satyajit Ray to contemporary Bollywood features are tackled.

COMM 191.08  
FILM SEMINAR: EUROPEAN CINEMA

3 units

This specialized course on (continental) European cinema critically examines and reconstructs "Europe" as image and idea through the screening and discussion of an assortment of films selected from a variety of genres and (national) cultures. Beginning with 1960s art cinema as an imagined Ground Zero for narrative modes that seem to respond to general perceptions of continuity and conventionality in classical Hollywood films, the course then focuses on 21st-century films from and about Europe that collectively demonstrate a variety of approaches to cinematic narration and spectatorial pleasure. The objective is not to find a "real" Europe but to explore a Europe that is always, in some manner, constructed and materialized as film art.

COMM 191.09  
FILM SEMINAR: THE HORROR FILM

3 units

This reading and writing course provides an introduction to the issues surrounding the horror film as a genre. Focus is on the attempts to define the genre, its highly provocative treatment of gender politics issues, and the peculiar pleasures audiences derive from such films.

COMM 191.14

FILM SEMINAR: PHILIPPINE CINEMA

3 units

This course is a survey of Philippine cinema through history, societal changes, world cinematic trends, and the emergence of directors and landmark films, in the light of theories developed by selected Filipino filmmakers and evaluated within the perspective of Filipino socio-political-religious values and traditions.

COMM 191.15

FILM SEMINAR: AMERICAN CINEMA

3 units

This seminar course deals with the cultural history of American cinema, the development and aesthetics of classical narrative film, the terminology of film production, the history and impact of Hollywood, and the lines of inquiry that have been developed for the medium in film studies.

COMM 192

RESEARCH METHODS IN COMMUNICATION

3 units

Prerequisite: COMM 20.04

This course introduces students to the basics of communication research, particularly its nature, process, and applications. It is designed to familiarize beginning researchers with the basic principles, concepts, methods, and problems of communication research. The course uses theoretical and philosophical foundations in the social sciences so that students can appreciate communication research as a field of scholarly study and apply their knowledge to create internally consistent research. The course also covers contemporary issues and trends in communication research as an academic discipline.

COMM 193

QUANTITATIVE METHODS IN COMMUNICATION RESEARCH

3 units

Prerequisites: COMM 20 and COMM 21

This course introduces students to the basics of communication research, particularly its nature, processes, and applications. The course focuses on the basic principles, concepts, and problem solving methods of quantitative communication research. These quantitative approaches include basic tallies and statistics, surveys and structured interviews, quasi-experiments, quantitative content analysis, and secondary data analysis. At the end of the semester, the student is expected to have the necessary skills and knowledge to criticize existing quantitatively-oriented communication research from both theoretical and practical standpoints and conduct a well-planned and relevant study in communication using quantitative approaches.

COMM 193.03

STATISTICAL METHODS IN COMMUNICATION RESEARCH

3 units

This course is an introduction to quantitative research methods and the statistical tools that collect and explain data. Students are exposed to surveys, content analyses, experimental approaches, and other communication studies that require a statistical research tool.

COMM 194

QUALITATIVE METHODS IN COMMUNICATION RESEARCH

3 units

Prerequisite: COMM 193

The course provides working knowledge of qualitative approaches to communication processes and media texts, audiences and institutions. It starts with a discussion on epistemological and ontological bases for

qualitative methods in knowledge production and then surveys specific methods such as ethnography, focus group discussion, the interview, textual analysis and archival research. Students are enabled to conceptualize, design, implement and write up a qualitative research paper.

COMM 197  
PRACTICUM  
3 units

Prerequisites: COMM 190, COMM 193, COMM 194

The practicum program for Communication majors is a synthesis between theory and practical work experience and contributes to the overall formation of students as communication professionals. Taken after the completion of communication theory, research, and five electives, the student must complete at least 200 hours of work in an accredited company in a communication-related field of their choosing.

COMM 199.1  
COMMUNICATION THESIS 1  
3 units

Prerequisites: COMM 190, COMM 193, COMM 194

This course integrates the communication student's knowledge in his or her area of interest in the field through work on a culminating research or project that deals with a relevant problem in communication in the Philippine context. The thesis represents a synthesis of the student's accumulated knowledge and skill, an opportunity to pull together and display the ideas and practices learned in their studies in communication. Under the supervision of a thesis adviser, this work may be done individually or in small groups, students prepare a research or project proposal that is defended before a panel of examiners at the end of the semester.

COMM 199.2  
COMMUNICATION THESIS 2  
3 units

Prerequisite: COMM 199.1

This course is a continuation of COMM 199.1: Communication Thesis 1 as, following their proposal defense, students undertake research or production activities. The results of these activities are presented to a panel of examiner as the final thesis defense at the end of this second semester of thesis work.



# DEVELOPMENT STUDIES

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The Development Studies Program seeks to form development professionals who effectively contribute to the continuing effort to improve Philippine society.

The Department provides an interdisciplinary program of studies for undergraduate students that is ever responsive to the changing human resource requirements of Philippine development.

## BACHELOR OF ARTS IN DEVELOPMENT STUDIES

Development Studies is a program designed for students who want to make a positive difference in society by addressing social problems like poverty, public health, climate change, disaster, and exclusion. Students are exposed to different perspectives and practical interventions to understand and confront the complex challenges of social transformation. The program employs a multidisciplinary approach, harnessing insights from economics, political science, and sociology. Students also acquire practical skills in social research and management to design, implement, and evaluate development interventions.

### *Program Learning Outcomes*

The Development Studies Program envisions its graduates to be thought leaders, investigators, and interventionists. These three are very much aligned with the cluster of course that constitute our BA degree.

We want our students to become thought leaders in development studies through our perspectival courses: DEV 100.1 (economics), DEV 100.2 (sociology), and DEV 100.3 (politics). These three courses are meant for students to familiarize themselves with classical and contemporary theories of development.

Our students need to be comfortable in conducting social research as well. Much of development work needs to be empirical and evidence-based, whether in terms of assessing social issues or evaluating the impact of community-based projects. For this reason we offer quantitative methods (DEV 193.2), qualitative methods (DEV 194). Students also write their theses individually, whether research-based or project-based. Writing the thesis spans two semesters in the final year.

Finally, DS graduates should also be effective interventionists in the community. A big proportion of our majors and electives are in fact oriented to development management. These are courses that expose students to various stages of development work.

Taken together, the different cluster of course in DS prepare students to:

- a. Exemplify a nuanced understanding of development as a complex concept by being able to explain different approaches and perspectives;
- b. Demonstrate proficiency in conducting research by adopting appropriate methods for specific contexts and concerns;
- c. Identify and apply necessary skills and tools in effecting change in communities;
- d. Exercise community leadership by engaging different stakeholders for the pursuit of common development goals;
- e. Maintaining reflexivity by being comprehensively aware of the needs of the community, the relationships of power in operation, and the need for humility in development work.

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	DEV 100.1	Perspectives in Development: Economics	3

NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
FLC 11	Foreign Language and Culture 11	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 11	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	16(2)		TOTAL	18(2)

#### SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
DEV 100.2	Perspectives in Development: Politics	3	DEV 100.3	Perspectives in Development: Sociology	3
DEV 193.1	Statistics for Development	3	DEV 105	Survey of Social Development Approaches	3
DEV 194	Qualitative Research Methods	3	DEV 193.2	Quantitative Research Methods	3
SocSc 12	The Contemporary World	3	ArtAtp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	HISTO 12	Readings in Philippine History	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		TOTAL	18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
DEV 106.1	Community Development and Social Change	3	DEV 107	Project Management	3
DEV 108	Communication for Development	3	PHILO 12	Philosophy of Religion	3
PHILO 13	Ethics	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	MAJOR ELECTIVE	Major Elective	3
MAJOR ELECTIVE	Major Elective	3	MAJOR ELECTIVE	Major Elective	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	18(0)
	TOTAL	18(3)			

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
DEV 197.1	Practicum in Social Development	3			
	TOTAL	3(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
DEV 198.1	Research in Development Issues	3	DEV 109	Institutions and Development	3
MAJOR ELECTIVE	Major Elective	3	DEV 198.2	Field Specialization	3
MAJOR ELECTIVE	Major Elective	3	MAJOR ELECTIVE	Major Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 139(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## MINOR/SPECIALIZATION IN DEVELOPMENT MANAGEMENT

The Minor/Specialization in Development Management remains relevant for the following reasons: (1) There is a need for individuals trained in Development Management for careers in social development institutions. (2) There is increasing recognition that good intentions and knowledge of development concepts are not enough; practical skills are necessary in order for individuals to become effective change agents. (3) There is a felt need in the Loyola Schools for practical answers to the question of poverty and underdevelopment.

	<b>MINOR IN DEVELOPMENT MANAGEMENT</b>	<b>SPECIALIZATION IN DEVELOPMENT MANAGEMENT</b>
Eligibility Requirement	The Minor is open to all undergraduate students of the Loyola Schools except AB DS students. AB DS students instead take the Specialization.	The Minor is open to all undergraduate students of the Loyola Schools except AB DS students. AB DS students instead take the Specialization.
Admission Requirements (pre-requisite courses)	<p>There are no academic requirements for admission for both Minor and Specialization. Grade of C or higher in all the courses taken as part of the Minor/Specialization</p> <p>For admission, students must submit an application addressed to and approved by the Development Studies Program by the First Semester of the Senior Year. Students are nevertheless encouraged to apply as early as possible.</p>	<p>There are no academic requirements for admission for both Minor and Specialization. Grade of C or higher in all the courses taken as part of the Minor/Specialization</p> <p>For admission, students must submit an application addressed to and approved by the Development Studies Program by the First Semester of the Senior Year. Students are nevertheless encouraged to apply as early as possible.</p>
Minimum Grade Requirement	Grade of C or higher in all the courses taken as part of the Minor/Specialization	Grade of C or higher in all the courses taken as part of the Minor/Specialization
Program Curriculum	<p><u>Required Courses (9 units)</u></p> <p>DEV 106.1 Community Development and Social Change</p> <p>DEV 107 Project Management</p> <p>DEV 108 Communication for Development</p> <p><u>Electives (6 units; choose two)</u></p> <p>DEV 183.13 Special Topics in Development Management: Social Marketing</p> <p>DEV 183.25 Special Topics in Development Management: Social Entrepreneurship</p> <p>DEV 183.33 Special Topics in Development Management: Organization Management</p> <p>DEV 183.34 Special Topics in Development Management:</p>	<p><u>Required Courses (3 units)</u></p> <p>Any Accounting subject</p> <p><u>Electives (9 units; choose three)</u></p> <p>DEV 108 Communication for Development</p> <p>DEV 183.13 Special Topics in Development Management: Social Marketing</p> <p>DEV 183.25 Special Topics in Development Management: Social Entrepreneurship</p> <p>DEV 183.33 Special Topics in Development Management: Organization Management</p> <p>DEV 183.34 Special Topics in Development Management: Cooperatives and Development</p>

	<p>Cooperatives and Development</p> <p>DEV 183.36 Special Topics in Development Management: Community Organization</p> <p>DEV 183.37 Special Topics in Development Management: Seminar on Basic Management Concepts</p> <p>DEV 183.38 Special Topics in Development Management: Strategic Leadership</p> <p>DEV 183.39 Special Topics in Development Management: Microfinance</p> <p>DEV 183.14 Special Topics in Development Management: Alternative Dispute Resolution Processes</p> <p>DEV 183.16 Special Topics in Development Management: Training Management</p> <p>DEV 183.17 Special Topics in Development Management: Resource Mobilization</p> <p>DEV 183.18 Special Topics in Development Management: Bridging Leadership</p> <p>DEV 183.19 Special Topics in Development Management: Immersion/Work Camp</p> <p>DEV 183.23 Special Topics in Development Management: Monitoring and Evaluation of Development Programs</p> <p>DEV 183.11 Special Topics in Development Management: Social Innovation</p> <p>DEV 183.12 Special Topics in Development Management: Design for Development</p> <p>DEV 183.20 Special Topics in Development Management: Entrepreneurship for sustainable Development</p> <p>DEV 183.35 Special Topics in Development Management: Social Return on Investment</p> <p>Students may also take other DEV 183.xx electives that may be offered in the future.</p>	<p>DEV 183.36 Special Topics in Development Management: Community Organization</p> <p>DEV 183.37 Special Topics in Development Management: Seminar on Basic Management Concepts</p> <p>DEV 183.38 Special Topics in Development Management: Strategic Leadership</p> <p>DEV 183.39 Special Topics in Development Management: Microfinance</p> <p>DEV 183.14 Special Topics in Development Management: Alternative Dispute Resolution Processes</p> <p>DEV 183.16 Special Topics in Development Management: Training Management</p> <p>DEV 183.17 Special Topics in Development Management: Resource Mobilization</p> <p>DEV 183.18 Special Topics in Development Management: Bridging Leadership</p> <p>DEV 183.19 Special Topics in Development Management: Immersion/Work Camp</p> <p>DEV 183.23 Special Topics in Development Management: Monitoring and Evaluation of Development Programs</p> <p>DEV 183.11 Special Topics in Development Management: Social Innovation</p> <p>DEV 183.12 Special Topics in Development Management: Design for Development</p> <p>DEV 183.20 Special Topics in Development Management: Entrepreneurship for Sustainable Development</p> <p>DEV 183.35 Special Topics in Development Management: Social Return on Investment</p> <p>Students may also take other DEV 183.xx electives that may be offered in the future.</p>
Total Units	18 units	12 units

## MINOR IN HEALTH AND DEVELOPMENT

The Development Studies Program recognizes the evolving discussions on the role of public health in national development over the past decade or so. With this comes a demand for a new generation of health professionals who are systems-oriented in understanding health and practice interdisciplinarity in its approaches to solving wicked problems. This revision enhances the program's mandates to achieve this goal. The program was crafted with input from graduates who are now working as public health professionals, as well as health industry experts who understand what the current and future priorities in public health are. Ultimately, graduates of this minor program will be equipped with the necessary knowledge, skills, and attitudes to make them effective agents in the public health sector.

### *Admission Requirements*

Application and approval by the DS Program is required by intersession of the student's final year, although it is preferred that they enroll as early as possible.

It is also highly encouraged that students take DEV 189.8 (Special Topics in Contemporary Development Issues: Political Economy of Health and Development) regardless if they have sent their application to help them decide if they want to pursue the minor.

### *Minimum Grade Requirement*

Students must receive a grade of C or higher on all the courses taken as part of the minor.

### *Program Curriculum*

#### Required Courses (9 units)

- DEV 106.1 Community Development and Social Change
- DEV 189.8 Special Topics in Contemporary Development Issues: The Political Economy of Health and Development
- DEV 189.83 Special Topics in Contemporary Development Issues: Survey of Public Health Interventions

#### Electives (6 units; choose two) \*

- HSCI 51 Introduction to Epidemiology
- HSCI 60 Fundamentals of Global Health
- MSYS 116 Applications in Medicine and Public Health
- ANTH 168 Anthropology of Health
- SOCIO 168 Sociology of Health
- DEV 107 Project Management
- DEV 108 Communication for Development
- DEV 186.84 Special Topics in Development Studies: Ethical Issues in Development

\*AB DS majors can only take major courses of the Health Sciences Program, while BS HS majors can only take courses with DEV course codes. All other majors have no restrictions in their choice of electives.

Total Number of Units for the Minor: 15 units

## MINOR IN HUMANITARIAN ACTION

The Minor in Humanitarian Action is catered for students who envision a thrilling career in the field of disaster response, relief operations, and humanitarian work in general. By drawing from an interdisciplinary set of courses, the minor will expose students to various theoretical and practical approaches necessary in providing timely and relevant interventions in emergency situations. The minor also recognizes that humanitarian work is necessarily tied to development planning so communities are built back better.

### *Admission Requirements*

Approval by the Development Studies Program is required by the Intercession of the student's final year, although it is preferred that they register for the minor as early as possible.

### *Minimum Grade Requirement*

Grade of C or higher in all courses taken as part of the Minor

### *Program Curriculum*

#### Required courses (9 units)

DEV 181.1	Special Topics in Humanitarian Action: Humanitarian Action in the Philippines
DEV 181.2	Special Topics in Humanitarian Action: Disaster Risk Reduction and Society
PSYC 80.08	Interdisciplinary Elective 2 – Major: Disaster and Mental Health

#### Electives from the list of approved Humanitarian Action electives\* (6 units; choose two)

DEV 181.3	Special Topics in Humanitarian Action: International Frameworks and practices
DEV 181.4	Special Topics in Humanitarian Action: Human Rights and Development
COMM 183.04	Special Topics in Culture & Communication: Communication and Environment
MSYS 181.05	Information and Communication Technologies for Development
CSCI 115	Computer Simulation
HSCI 60	Fundamentals of Global Health
PHYS 180.5	Climate Change and Disaster Risk
DECSC 141	Systems Modeling
ENVI 177	Special Topics in Environmental Management
ENVI 125	Introduction to Geographic Information Systems
POLSC 121.30	Environmental Policies

\*Students may also take other DEV 183.xx electives that may be offered in the future.

Total Number of Units for the Minor: 15 units

## MINOR/SPECIALIZATION IN URBAN AND REGIONAL DEVELOPMENT

The Minor/Specialization in Urban and Regional Development aims to attract students who see a career in policy-making and planning related to urbanization and regional development. For students who plan to take applied postgraduate degrees in planning, this minor will be an ideal starting point. Rather than direct vocational training, it will expose students to the various debates

and theories of development from various fields such as geography, political economy, and history. This holistic approach will hopefully help produce planners who are not only technically proficient, but also broad in their social outlook.

	<b>MINOR IN URBAN AND REGIONAL DEVELOPMENT</b>	<b>SPECIALIZATION IN URBAN AND REGIONAL DEVELOPMENT</b>
Eligibility Requirement	Open to all undergraduate students of the Loyola Schools <b>except</b> AB DS students	Open to AB DS students <b>only</b>
Minimum Grade Requirement	Grade of C or higher in all the courses taken as part of the Minor	Grade of C or higher in all the courses taken as part of the Specialization
Program Curriculum	<u>Required Courses (6 units)</u> DEV 187.3 Special Topics in Geography and Development: Introduction to Urban and Regional Development DEV 187.4 Special Topics in Geography and Development: Inclusive Cities  <u>Electives (9 units; choose three)</u> DEV 181.1 Special Topics in Humanitarian Action: Humanitarian Action in the Philippines	<u>Required Courses (6 units)</u> DEV 187.3 Special Topics in Geography and Development: Introduction to Urban and Regional Development DEV 187.4 Special Topics in Geography and Development: Inclusive Cities  <u>Electives (9 units; choose three)</u> DEV 181.1 Special Topics in Humanitarian Action: Humanitarian Action in the Philippines
	DEV 181.2 Special Topics in Humanitarian Action: Disaster Risk Reduction and Society DEV 186.14 Special Topics in Development Studies: Local Government DEV 186.15 Special Topics in Development Studies: Urban Development DEV 186.16 Special Topics in Development Studies: Rural Development DEV 186.18 Special Topics in Development Studies: Industrialization DEV 186.19 Special Topics in Development Studies: Political Economy of Environmental Resources DEV 186.34 Special Topics in Development Studies: Poverty Studies DEV 186.44 Special Topics in Development Studies: Issues in Sustainable Development	DEV 181.2 Special Topics in Humanitarian Action: Disaster Risk Reduction and Society DEV 186.14 Special Topics in Development Studies: Local Government DEV 186.15 Special Topics in Development Studies: Urban Development DEV 186.16 Special Topics in Development Studies: Rural Development DEV 186.18 Special Topics in Development Studies: Industrialization DEV 186.19 Special Topics in Development Studies: Political Economy of Environmental Resources DEV 186.34 Special Topics in Development Studies: Poverty Studies DEV 186.44 Special Topics in Development Studies: Issues in Sustainable Development



	DEV 186.47 Special Topics in Development Studies: Population and Development DEV 186.49 Special Topics in Development Studies: Social Planning and Policy DEV 187.2 Special Topics in Geography and Development: Radical Geography and the Future of Development DEV 189.83 Special Topics in Contemporary Development Issues: Survey of Public Health Interventions Students may also take other electives as determined by the Program Director.	DEV 186.47 Special Topics in Development Studies: Population and Development DEV 186.49 Special Topics in Development Studies: Social Planning and Policy DEV 187.2 Special Topics in Geography and Development: Radical Geography and the Future of Development DEV 189.83 Special Topics in Contemporary Development Issues: Survey of Public Health Interventions Students may also take other electives as determined by the Program Director.
Total Units	15 units	15 units

## COURSE OFFERINGS

### DEV 100.1

#### PERSPECTIVES IN DEVELOPMENT: ECONOMICS

3 units

This course is an introduction to the various competing perspectives in the analysis of economic development and underdevelopment, laying the foundation for a critical and theoretically informed understanding of contemporary issues in Philippine and international development.

### DEV 100.2

#### PERSPECTIVES IN DEVELOPMENT: POLITICS

3 units

Prerequisite: DEV 100.1

This course introduces various perspectives in the politics of development, underlining the importance of the "political element" in the development process. Theoretical concepts and issues provide the parameters for a discussion of the nature of politics in the Philippines from a historical and comparative perspective.

### DEV 100.3

#### PERSPECTIVES IN DEVELOPMENT: SOCIOLOGY

3 units

Prerequisite: DEV 100.1

This course is an overview of various socio-cultural perspectives on development and modernization, thus laying the ground for a critical and theoretically informed understanding of contemporary issues in Philippine and international development.

### DEV 105

#### SURVEY OF SOCIAL DEVELOPMENT APPROACHES

3 units

This course provides an overview of social development approaches used by various development institutions. Inputs from development professionals, who serve as guest lecturers, demonstrate how these frameworks are applied in practice. It also provides an overview of the evolving concept of poverty from income poverty to poverty as human security.

DEV 106.1  
COMMUNITY DEVELOPMENT AND SOCIAL CHANGE

3 units

This course introduces students to the art of introducing and sustaining development interventions on various levels. Inputs from development practitioners demonstrate the basic principles discussed in the lectures. The course frames development interventions as social change projects and draws from change management literature.

DEV 107  
PROJECT MANAGEMENT

3 units

Prerequisite: DEV 106.1

This course is a practical overview of the cycle of the development process involved in the management of development programs and projects, including project conceptualization, design, implementation, monitoring, and evaluation.

DEV 108  
COMMUNICATION FOR DEVELOPMENT

3 units

This course discusses the role of communication in social change, particularly in the context of its potential to facilitate changes in knowledge and behaviors among stakeholders in development programs. Students examine the theory behind the tools employed in communication programs and identify patterns in application.

DEV 109  
INSTITUTIONS AND DEVELOPMENT

3 units

This course provides students with a comprehensive understanding and appreciation of the different types of institutions and the roles they play in promoting accountable and responsive governance, as well as sustainable, innovative, and inclusive development. These institutions include government agencies, civil society organizations, corporations, corporate foundations, and multilateral organizations. The course also aids the students in their process of self-awareness and self-discovery, to help them discern which types of institutions they may be a good fit for. Students chart their medium- and long-term career plans to directly contribute to the strengthening of institutions and promoting growth and development.

DEV 181.1  
SPECIAL TOPICS IN HUMANITARIAN ACTION: HUMANITARIAN ACTION IN THE PHILIPPINES

3 units

The course provides an overview of humanitarian work in the Philippines. Inputs from professionals in humanitarian agencies demonstrate the diversity of frameworks and models used in addressing disaster and crisis situations. Discussions also consider the politics of humanitarian work that involves dynamic but also contentious relationships between the state, humanitarian agencies, local communities, and other institutions.

DEV 181.2  
SPECIAL TOPICS IN HUMANITARIAN ACTION: DISASTER RISK REDUCTION AND SOCIETY

3 units

This is an introduction to disaster risk reduction and management. The course deals with nature-based disaster to which the understanding of human/societal factors is crucial. It comprises two components of disaster risk reduction: knowledge and practice. From the geographical perspective, it explores interactions between humans and topographic features of the environment, and risk contemporary societies face. A discussion on practice of risk management and capacity building is included. Emphasis is placed on the engagement with place. Field-based projects, such as geohazard mapping and assessment of a community, and fieldwork in a disaster-prone settlement, are part of the course.

DEV 181.3

SPECIAL TOPICS IN HUMANITARIAN ACTION: INTERNATIONAL FRAMEWORKS AND PRACTICES

3 units

The course introduces students to a body of international legal frameworks for humanitarian action that serves as a powerful guide in advocating for and achieving protection and assistance in a variety of situations. These legal frameworks comprise of International Humanitarian Law, International Human Rights Law, International Refugee Law, International Criminal Law and International Disaster Response Laws, Rules and Principles. The course examines the courses and challenges. Further, the course scrutinizes humanitarian action in practice based on its core principles, and in selected contexts and circumstances.

DEV 181.4

SPECIAL TOPICS IN HUMANITARIAN ACTION: HUMAN RIGHTS AND DEVELOPMENT

3 units

The course introduces the inextricable link between human rights and development, both in theory and practice, with emphasis on state's obligations on core compliance and progressive realization and people's duties and responsibilities. It highlights the three (3) generations of human rights and their normative standards, and implications on issues relating to trade and investments, foreign aid or development assistance, poverty alleviation and environment protection. It examines contemporary challenges of the Right to Development (RTD) over its 30 years of implementation, and ways of progressively realizing it, together with the implementation of the UN Sustainable Development Goals (SDGs).

DEV 181.5

SPECIAL TOPICS IN HUMANITARIAN ACTION:  
MULTIDISCIPLINARY APPROACHES TO HUMANITARIAN ASSISTANCE

3 units

Prerequisite: DEV 181.3

The course introduces students to the complex challenges of humanitarian actors. Drawing from multiple disciplines, the course enables students to think outside of the boundaries of professional disciplines to strategically arrive at solutions around programmatic issues of common interests. The course gives attention to specific interventions that illustrate convergence of disciplines for humanitarian work. These cases demonstrate the potential of bridging compartmentalized interventions and strengthening collaboration among disciplines.

DEV 183.11

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SOCIAL INNOVATION

3 units

This course trains students to understand the process of designing, introducing, and sustaining innovations that are meant to address various social problems. Various social innovation cases are presented to demonstrate the principles discussed in class.

DEV 183.12

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: DESIGN FOR DEVELOPMENT

3 units

This course creates solutions for Developing Economies through Creativity. Students are encouraged to generate, maximize, and live-out Design Thinking strategies addressing the 'quadruple bottom line': People, Planet, Peace, and Profit. Design is not just embellishment but a strategy towards national progress.

DEV 183.13

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SOCIAL MARKETING

3 units

This course is an overview of basic marketing principles and how these can and must be used to support various development interventions. Case studies are analyzed to illustrate the concrete application of social marketing theories.

DEV 183.14

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT:  
ALTERNATIVE DISPUTE RESOLUTION PROCESSES

3 units

This course introduces the theory and practice of alternative dispute resolution methods. The course introduces a set of conceptual frameworks and proven techniques that help students analyze and reflect on their own experiences of conflict resolution and prepare them for dealing effectively with future situations.

DEV 183.16

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: TRAINING MANAGEMENT

3 units

This course develops knowledge, skills, and capabilities to manage training programs. Focus is on the training management cycle. Deeper appreciation of the course material is facilitated by hands-on learning exercises and actual training conducted for target groups such as members of people's organizations.

DEV 183.17

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: RESOURCE MOBILIZATION

3 units

This course is an overview of the theory and practice of resource mobilization. Resources are defined broadly to include financial resources, human resources, and any other resource useful for achieving an initiative's goals. Various resource mobilization techniques are discussed and assessed.

DEV 183.18

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: BRIDGING LEADERSHIP

3 units

This course introduces Bridging Leadership – a leadership style appropriate to the complex development challenges of our time. Lectures, case-discussions, and structured learning experiences immerse the students in the three phases of the Bridging Leadership Framework. In the process, students discover their personal leadership style.

DEV 183.19

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: IMMERSION/WORK CAMP

3 units

This course is an extended immersion with a marginalized community. Students experience the dynamics of such communities and reflect on their experience using various lessons learned in class. This course also introduces the practice of social investigation, a preparatory step to community development/organization efforts.

DEV 183.20

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT:  
ENTREPRENEURSHIP FOR SUSTAINABLE DEVELOPMENT

3 units

This course explores how social problems can be addressed through financially sustainable earned-income activities. This course presents different social enterprise models and discusses various aspects of the social dimension of social enterprises, including the social dimensions of business operations.

DEV 183.23

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT:  
MONITORING AND EVALUATION OF DEVELOPMENT PROGRAMS

3 units

This course introduces techniques for determining the extent to which development programs are delivering results in a relevant, effective, efficient and sustainable manner. It explores theoretical and strategic issues conducting evaluation studies and implementing monitoring and evaluation activities.

DEV 183.25

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SOCIAL ENTREPRENEURSHIP

3 units

This course shows how business principles can be integrated with social responsibility and the application and contextualization of these principles to social development. Case studies are analyzed to illustrate the concrete application of social entrepreneurship concepts.

DEV 183.27

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SOCIAL INNOVATION SEMINAR I

3 units

This is a three-phase seminar on the knowledge and skills needed to develop a social enterprise, defined as a social development initiative. First, inputs are given on social entrepreneurship and project management. Students then come up with a social enterprise proposal.

DEV 183.28

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SOCIAL INNOVATION SEMINAR II

3 units

This is a three-phase seminar on the necessary knowledge and skills to enable students to develop their own social enterprise, broadly defined as a social development initiative. The third phase involves the actual implementation of the social development initiative.

DEV 183.29

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: DEVELOPMENT FINANCE

3 units

This is an introduction to the role of the financial system in the economy, particularly in the context of underdeveloped countries. Emphasis is on how financial institutions and instruments affect financial markets and the aggregate level of economic activity. Topics include the structure of the financial system and its role in the economy, the role of finance in development, financial markets in under-developed countries, the formal and informal financial sectors, and selected issues in development finance.

DEV 183.33

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: ORGANIZATION MANAGEMENT

3 units

This course is an overview of the processes and dynamics of interpersonal relations in organizations. Topics include the individual, group dynamics, and problem-solving skills. Focus is on the unique dynamics of organizational management and development interventions affecting the potentials of the group and its members.

DEV 183.34

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: COOPERATIVES AND DEVELOPMENT

3 units

This course is an in-depth analysis of the cooperative movement. Various forms of cooperatives and cooperative networks are examined, primarily through the use of case studies. Focus is on examining the relative strengths and limitations of cooperativism as a social development initiative.

DEV 183.35

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SOCIAL RETURN ON INVESTMENT

3 units

Social Return on Investment is a performance management framework that goes beyond financial measurements. SROI examines activities, outputs, outcomes and impact in development interventions that create, add, alter, or destroy value. It is an approach for measuring change in relation to social, environmental, economic, and other possible results. SROI is done in a participatory manner and the value arrived at is based on the perception and experience of stakeholders themselves. SROI collects qualitative and quantitative data that measure performance and could be used as input in improving delivery of development programs.

DEV 183.36

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: COMMUNITY ORGANIZATION

3 units

This course is an in-depth analysis of community organizing as an approach to social development, and the philosophy underlying this approach. Focus is on examining the relative strengths and limitations of community organizing as a social development initiative by assessing various community organizing efforts.

DEV 183.37

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: SEMINAR ON BASIC MANAGEMENT CONCEPTS

3 units

This course is an introduction to basic management tools including basic accounting, financial analysis, and feasibility study preparation. The course provides students with a deeper understanding and appreciation of development management and project management.

DEV 183.38

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: STRATEGIC LEADERSHIP

3 units

This course is an overview of the different types of leadership and the practices of effective leaders, particularly those in the field of development. Special attention is given to cases of leaders who are able to effect change while faced with significant constraints.

DEV 183.39

SPECIAL TOPICS IN DEVELOPMENT MANAGEMENT: MICROFINANCE

3 units

This course discusses the practice of providing financial services to marginalized clients. Topics include the philosophy and methodology of well-established models (Grameen, Village Banking) and emerging models (financial services associations, cooperative savings). Existing Philippine initiatives and standards are analyzed and juxtaposed with international best practice.

DEV 186.13

SPECIAL TOPICS IN DEVELOPMENT STUDIES: COMPARATIVE POLITICAL ECONOMY

3 units

This is a study of the approaches to economic analysis, other than neo-classical political economics, and the dialogue between them.

DEV 186.14

SPECIAL TOPICS IN DEVELOPMENT STUDIES: LOCAL GOVERNMENT

3 units

This course provides an examination of the theory and practice of local government in the Philippines. Topics include the salient features, implications, and effects of the Local Government Code of 1991 and other legal developments from then on. The class also problematizes the different approaches to decentralization, planning, and local governance. Discussions reflect on the challenges involving the local government in such areas as development planning, the legislative process, democratic participation, and civil society involvement.

DEV 186.15

SPECIAL TOPICS IN DEVELOPMENT STUDIES: URBAN DEVELOPMENT

3 units

This course covers the different approaches to planning urban development. Cases from the Philippines and other countries are discussed to illustrate the different pathways and challenges to urban development. The course analyzes the processes and problems associated with urban development by drawing from such fields as urban studies, sociology, and public policy.

DEV 186.16

SPECIAL TOPICS IN DEVELOPMENT STUDIES: RURAL DEVELOPMENT

3 units

This course covers the different approaches to planning rural development. Cases from the Philippines and other countries are discussed to illustrate the different pathways and challenges to rural development especially with respect to people empowerment, social mobility, and environmental sustainability. The

course analyzes the processes and problems associated with rural development by drawing from such fields as poverty studies, rural sociology, and public policy.

DEV 186.17

SPECIAL TOPICS IN DEVELOPMENT STUDIES: PEASANT ECONOMY

3 units

This is a study of the peasantry as a theoretical category of political economy. Topics include the existence and nature of the peasant economy, the external relationship of the peasantry with the national and global economy, peasant production and society and the contradictory nature of reproduction under capitalist development, the response of peasant production to economic and political change, and the relationship of agriculture to industry in a peripheral economy.

DEV 186.18

SPECIAL TOPICS IN DEVELOPMENT STUDIES: INDUSTRIALIZATION

3 units

This course provides a comparative study of the various attempts made by countries and regions to industrialize, including an examination of policies and policy consequences. Industrialization policy is set in the context of a changing global environment, free trade agreements, and various constraints on the policy-making process. The course also problematizes the impact of industrialization on income mobility, environmental sustainability, and regional development.

DEV 186.19

SPECIAL TOPICS IN DEVELOPMENT STUDIES:  
POLITICAL ECONOMY OF ENVIRONMENTAL RESOURCES

3 units

Drawing on political economy, this course provides an overview of the different approaches and models concerning the use and access of environmental resources. It also investigates their social, economic, and political consequences. Issues and illustrative cases from the Philippines and other countries are discussed in view of globalization, the Sustainable Development Goals, and contemporary environmental challenges such as climate change and the spread of diseases.

DEV 186.23

SPECIAL TOPICS IN DEVELOPMENT STUDIES: ASPECTS OF PHILIPPINE POLITICAL ECONOMY

3 units

This course examines various aspects of the Philippine state, polity, and economy, using theories from the interdisciplinary disciplines of political sociology and economic sociology. The course provides students with a deeper appreciation of the context of the current state of Philippine development.

DEV 186.24

SPECIAL TOPICS IN DEVELOPMENT STUDIES: ECONOMIC ANTHROPOLOGY

3 units

This is an examination of the cultural elements underlying the operation of various economic constructs, including the market, transcending economistic interpretations of economic reality and allowing for concrete incorporation of sociology and anthropology to the study of economies.

DEV 186.25

SPECIAL TOPICS IN DEVELOPMENT STUDIES: COMPARATIVE ECONOMICS SYSTEMS

3 units

This is an introductory course on economic development at the undergraduate level. It is designed to provide historical perspectives on the structural transformation of economies as countries developed over time. The experience of three sets of countries are briefly discussed – Western Europe, East Asia, and Latin America – for their relevance to modern problems of development experience. A second part of the course deals with the principles underlying some contemporary debates on the basic economic and political structures of modern societies. It hopes to provide an integrated discussion of the concepts of development.

DEV 186.26

SPECIAL TOPICS IN DEVELOPMENT STUDIES: INEQUALITY

3 units

This is an examination of the causes and effects of national and global economic, social, and political inequality, including policy instruments that have been used to address the problem of inequality.

DEV 186.27

SPECIAL TOPICS IN DEVELOPMENT STUDIES: NGOs AND DEVELOPMENT

3 units

This is an examination of the non-government organizations, the social development approaches used by these organizations, and the strengths & weaknesses vis-à-vis the gov't & private corporations.

DEV 186.28

SPECIAL TOPICS IN DEVELOPMENT STUDIES: ORGANIZATION AND DEVELOPMENT

3 units

This course is designed to integrate theory and practical insights into the processes and dynamics of interpersonal relations. Issues tackled in this course include the individuals' needs and motivations, the nature of groups, teamwork, communication, leadership, conflict-management and other problem-solving skills. The focus is on the unique dynamics of organizational management and development interventions affecting growth or retardation of the potentials of the group and its members. Actual experiences in organizations, both private and public and in communities shall serve as case studies.

DEV 186.33

SPECIAL TOPICS IN DEVELOPMENT STUDIES: INTERNATIONAL POLITICS OF DEVELOPMENT

3 units

This is a study of the international politics of development, emphasizing the political element and the external sector in the analysis of national development. The course discusses the role of regional and multilateral institutions.

DEV 186.34

SPECIAL TOPICS IN DEVELOPMENT STUDIES: POVERTY STUDIES

3 units

This course provides an in-depth analysis of the causes and effects of poverty and the proposed solutions to address it. Drawing on insights from different fields in the social sciences, this course approaches poverty as a complex phenomenon that demands different ways of defining, problematizing, and confronting it. Topics for discussion include poverty as a multidimensional concept, the metrics that have been developed to measure it, and the anti-poverty initiatives that have been adopted in different contexts. The course also critically reflects on poverty as a social, political, and economic reality.

DEV 186.35

SPECIAL TOPICS IN DEVELOPMENT STUDIES: MARXIST POLITICAL ECONOMY

3 units

This is an extensive discussion of Marxist political economy. Emphasis is on the reading of the original text by Karl Marx with particular focus on the economy theory.

DEV 186.36

SPECIAL TOPICS IN DEVELOPMENT STUDIES: MARXIAN POLITICAL ECONOMY

3 units

This course is an extensive discussion of Marxist political economy. The course traces the history of Marxist thought from Karl Marx himself to contemporary Marxist analysis. Emphasis is on the Marxist analysis of progress, development, and underdevelopment.

DEV 186.39

SPECIAL TOPICS IN DEVELOPMENT STUDIES: GENDER AND DEVELOPMENT

3 units



This is a review of the literature on gender and development and an assessment of the efforts to make development initiatives gender-friendly.

DEV 186.43

SPECIAL TOPICS IN DEVELOPMENT STUDIES: GLOBALIZATION AND DEVELOPMENT

3 units

This is an analysis of the indicators of globalization, and an evaluation of the economic, political, and social effects of globalization, and an examination of the effect of globalization on the capacity of nation-states to carry out development policy.

DEV 186.44

SPECIAL TOPICS IN DEVELOPMENT STUDIES: ISSUES IN SUSTAINABLE DEVELOPMENT

3 units

This is an in-depth review of sustainable development. Topics include the dialectical impact of population, urbanization, poverty, and markets on sustainable development. Interventions for sustainable development are assessed.

DEV 186.45

SPECIAL TOPICS IN DEVELOPMENT STUDIES: SEMINAR ON DEVELOPMENT ISSUES

3 units

These are special topics in development studies that are of current importance and relevance.

DEV 186.47

SPECIAL TOPICS IN DEVELOPMENT STUDIES: POPULATION AND DEVELOPMENT

3 units

This course approaches population as a development resource and concern. By drawing on demographic concepts and tools, it discusses trends that matter to contemporary society in such areas as health, education, family planning, economic development, environmental sustainability, and urban and regional development. An essential part of the course is an analysis of the interrelationships between population and development as applied to Philippine and international conditions.

DEV 186.48

SPECIAL TOPICS IN DEVELOPMENT STUDIES: DEVELOPMENT POLICY

3 units

This course is an overview of the development policy process including policy formulation, implementation, and evaluation. Attention is given to the informational, economic, bureaucratic, and political constraints that policy-makers face, and to the process of policy reform.

DEV 186.49

SPECIAL TOPICS IN DEVELOPMENT STUDIES: SOCIAL PLANNING AND POLICY

3 units

This is an introduction to the basic methods used in social/development planning. Emphasis is on the mastery of the techniques and the appreciation of the theoretical bases of these methods.

DEV 186.54

SPECIAL TOPICS IN DEVELOPMENT STUDIES: GLOBALIZATION AND GOVERNANCE

3 units

This course is an analysis of globalization as a constructed and contested terrain of social meanings and relations, and of governance as processes of partial steering and ordering in a multi-centered world with diverse but often overlapping spheres or sites of authority.

DEV 186.55

SPECIAL TOPICS IN DEVELOPMENT STUDIES: URBANIZATION

3 units

This is an introduction to the urbanization process in the Philippines. Topics include urban issues, such as population management and migration, poverty and housing, transport management, solid waste management, and environmental protection.

DEV 186.56

SPECIAL TOPICS IN DEVELOPMENT STUDIES: LEGAL ISSUES IN DEVELOPMENT

3 units

This is a seminar/workshop on current issues concerning development in the Philippine context, as manifested in legal controversies that accompany the process of development. Topics include housing and urban development; agrarian reform and rural development; gender and development; labor rights; and social autonomy.

DEV 186.57

SPECIAL TOPICS IN DEVELOPMENT STUDIES: INTERNATIONAL DEVELOPMENT INSTITUTIONS

3 units

This course is an introduction to various international development institutions, providing an overview of their social location in the broader field of development. Particular attention is given to the relationship between the international development institutions and the Philippines.

DEV 186.64

SPECIAL TOPICS IN DEVELOPMENT STUDIES: POLITICS, THE STATE AND DEVELOPMENT

3 units

By introducing students to the various perspectives in the politics of development, the course seeks to underline the crucial importance of the “political element” in the development process. Theoretical concepts and issues shall serve as basic parameters for a discussion of the nature of politics in the Philippines – from a historical and comparative perspective.

DEV 186.67

SPECIAL TOPICS IN DEVELOPMENT STUDIES: ADVOCACY AND LOBBYING

3 units

This course studies the Philippine Constitution, the legislative process in Congress and local legislative bodies, the role of the President and the Executive Branch in legislation, interest group articulation, the national budget process, preparations for congressional committee hearings, and trends and issues in lobbying.

DEV 186.74

SPECIAL TOPICS IN DEVELOPMENT STUDIES: CORPORATE SOCIAL RESPONSIBILITY

3 units

This course discusses the history of Corporate Social Responsibility, its rationale, current trends both internationally and locally, actual practices, and implementation issues. Emphasis is on its location within the discourse of business ethics and corporate governance.

DEV 186.75

SPECIAL TOPICS IN DEVELOPMENT STUDIES:  
INFORMATION AND COMMUNICATIONS TECHNOLOGIES FOR DEVELOPMENT

3 units

This course discusses the role of information and communication technologies (ICTs) in development. Topics include how ICTs are changing organizations and how people work; the important policy issues such as access, privacy, content; and the role of government, private organizations, and ordinary citizens.

DEV 186.77

SPECIAL TOPICS IN DEVELOPMENT STUDIES: TECHNOLOGY AND DEVELOPMENT

3 units

This is an examination of issues raised by the relationship between technology and development, including technological transfer and policies on foreign investments, debates about appropriate technology, policies to induce technological innovation, and the welfare effects of various kinds of technologies.

DEV 186.78

SPECIAL TOPICS IN DEVELOPMENT STUDIES: CULTURE AND DEVELOPMENT

3 units

This course examines the cultural element as a legitimate end of development and a significant determinant of various states of development. Notions of “economic cultures” and “political cultures” are explored.

DEV 186.79

SPECIAL TOPICS IN DEVELOPMENT STUDIES:

COMPARATIVE DEVELOPMENT IN HISTORICAL PERSPECTIVE

3 units

This course is a comparative study of the different strategies undertaken by countries to promote development. These strategies and their outcomes are assessed using various theories that may help explain the differing levels of development.

DEV 186.83

SPECIAL TOPICS IN DEVELOPMENT STUDIES:

THE BUREAUCRACY, PUBLIC POLICY, AND DEVELOPMENT

3 units

This is a study of the role of bureaucracy in the formulation and implementation of Philippine development policy. Attention is given to internal and external constraints to policy formulation and the interaction of these forces in the decision-making process.

DEV 186.84

SPECIAL TOPICS IN DEVELOPMENT STUDIES: ETHICAL ISSUES IN DEVELOPMENT

3 units

Development work — be it research, policy, or practice — involves interaction with human beings, especially the most vulnerable. This course aims to introduce students to the most common issues involving development and develop the appreciation for understanding the complexity of development issues. Sessions are packaged as interactive case study seminars, where speakers working in development may be invited to discuss real-world ethical issues in development and allow students to appreciate the gravity of making difficult choices in light of those ethical dilemmas.

DEV 186.85

SPECIAL TOPICS IN DEVELOPMENT STUDIES: RELIGION AND DEVELOPMENT

3 units

This course examines the complex relationship between religion and development. It first provides an overview of the theoretical debates concerning the role of religion in development. It also maps out the innovative participation of religion in contemporary development work in such areas as welfare delivery, humanitarian action, and peacebuilding. Overall, the course reflects critically on the growing significance of religion in politics and society.

DEV 187

SPECIAL TOPICS IN GEOGRAPHY AND DEVELOPMENT

3 units

The main interest of these courses lies in spatial patterns of development. They recognize that social, political, and economic conditions are inevitably linked to how spaces are divided, designed, and consumed by different stakeholders at the local and global levels. Given that these stakeholders include a wide range of actors that include political elites, technocrats, and everyday users, DEV 187 courses approach geographies of development from different perspectives. These courses problematize existing interventions and imagine novel ways of addressing contemporary issues of space and development.

DEV 187.2

SPECIAL TOPICS IN GEOGRAPHY AND DEVELOPMENT:

RADICAL GEOGRAPHY AND THE FUTURE OF DEVELOPMENT

3 units

This course interrogates issues of social development using methods and perspectives of radical geography. The focus is on the spatialities of inequality, on the geographical specificities of power relations and the unequal distribution of resources at individual, local, national, and regional scales. Through a survey of work in radical geography, an analysis of thematic maps, field visits, and case studies of development initiatives,

students develop alternative discourses and frameworks to challenge structures that stratify and to create spaces for social change.

DEV 187.3

SPECIAL TOPICS IN GEOGRAPHY AND DEVELOPMENT:  
INTRODUCTION TO URBAN AND REGIONAL DEVELOPMENT

3 units

This is an introductory course that lays down the theoretical, conceptual, and historical basics of urban planning and regional development. It introduces the geospatial aspects of development, with emphasis on the features and processes that have constituted human settlements through different historical periods, culminating in the contemporary city. Drawing on key concepts of geography and urban planning, the course covers economic, social, and physical considerations that are necessary for the building of vibrant urban areas. The course also problematizes the conditions that drive contemporary urban transformations such as suburbanization and the proliferation of informal settlements.

DEV 187.4

SPECIAL TOPICS IN GEOGRAPHY AND DEVELOPMENT: INCLUSIVE CITIES

3 units

This course argues that excellent urban areas are neither accidental nor entirely spontaneous. Planned-for ingredients of urban success are socio-economic, social, and spatial inclusiveness, diversity, environmental sustainability, good governance and creativity. The course facilitates the identification and analysis of social exclusion and inequality in urban spaces, and of emerging urban development strategies and planning interventions that aim to make cities livable to and for all. Key concepts and tools, best practices and instructive historical examples are discussed extensively to enable the student to critically appraise, analyze, and plan for inclusive and sustainable cities.

DEV 187.5

SPECIAL TOPICS IN GEOGRAPHY AND DEVELOPMENT: DISASTER RISK GOVERNANCE

3 units

This introductory course deals with institutions, mechanisms, policy and legal frameworks, and other arrangements related to disaster risk reduction and management (DRRM). It highlights the necessity of good governance that is transparent, inclusive, collective, and efficient in order to reduce existing disaster risks and to avoid creating new ones. The course discusses contemporary issues, themes, and practical examples at the local, national, regional, and global levels. Guided by principles of policy analysis, this course zooms in on good practices and key challenges in the Philippines ensuring a multi-stakeholder approach to DRRM.

DEV 189.5

SPECIAL TOPICS IN CONTEMPORARY DEVELOPMENT ISSUES: CORRUPTION AND DEVELOPMENT

3 units

The course introduces corruption and its impact to development processes and outcomes. Through case studies and resource speakers' inputs, the course covers how corruption is framed and measured in various sectors – national government, local government, business, media, and civil society-at-large – as well as local, national, and international initiatives to combat corruption. Included in the learning process is accessing information that can help citizens push for accountability and integrity, and appreciating discourses, policies, and practices that uphold transparency, accountability, and integrity.

DEV 189.8

SPECIAL TOPICS IN CONTEMPORARY DEVELOPMENT ISSUES:  
THE POLITICAL ECONOMY OF HEALTH AND DEVELOPMENT

3 units

This course situates public health issues in the broader discourses of development and governance. Topics include the interaction between public health issues and other social concerns, the various agents of development and public health management, and the role they play in public health management.

DEV 189.83

SPECIAL TOPICS IN CONTEMPORARY DEVELOPMENT ISSUES:

## SURVEY OF PUBLIC HEALTH INTERVENTIONS

3 units

An unprecedented interest in public health policy and practice has expanded public health – initially limited to sanitation and infectious disease control – to intersect with disciplines relating to economics, communication, and the law. Interventions such as conditional cash transfers, social health insurance, taxation on tobacco, alcohol, and sugar-sweetened beverages, graphic health warnings have been widely implemented not just in the Philippines but in many developing countries as well. This course aims to deepen students' understanding of these public health interventions, their effectiveness, and critique their design and practice.

DEV 192.1

## RESEARCH METHODS

3 units

This course is an overview of methods of social analysis and their relevance to the interpretation of social data and the study of social situations. Emphasis is on the practice of social research, rather than the theory of methodology, and entails work outside the classroom.

DEV 192.2

## METHODS OF SOCIAL INVESTIGATION

3 units

This course covers methods of social analysis and the relevance of these methods to the interpretation of social data and the study of social situations. It emphasizes the practice of social research rather than the theory of methodology, and entails a considerable amount of work outside the classroom.

DEV 193.1

## STATISTICS FOR DEVELOPMENT

3 units

This introductory statistics course aims to equip students with knowledge, concepts, and statistical tools needed for better understanding of data in their design, monitoring and evaluation of various social development initiatives. The focus of the course is on selected descriptive and inferential statistics as integrated within the various phases of the project life cycle. For better understanding, and application of the statistical concepts and tools, the course takes a more practical and hands-on approach utilizing real-life illustrations on the use and misuse of statistics in project design and implementation.

DEV 193.2

## QUANTITATIVE RESEARCH METHODS

3 units

Prerequisite: DEV 193.1

This course introduces the various quantitative methods in the social sciences. The course begins with a discussion of the methodological implications of the use of quantitative methods, then proceeds to a discussion of the various quantitative methods including an assessment of their strengths and limitations.

DEV 194

## QUALITATIVE RESEARCH METHODS

3 units

This course introduces the various qualitative methods in the social sciences. The course begins with a discussion of the methodological implications of the use of qualitative methods, then proceeds to a discussion of the various qualitative methods including an assessment of their strengths and limitations.

DEV 197.1

## PRACTICUM IN SOCIAL DEVELOPMENT

3 units

This course allows students to participate in development interventions and apply their learning to development situations. At the end of the practicum, students assess the experience and articulate the underlying development definition and strategy that motivates the agency to which they were assigned.

DEV 197.2

PRACTICUM IN SOCIAL DEVELOPMENT II

3 units

This course allows students to participate in development interventions and apply their learning to development situations. At the end of the practicum, students assess the experience and articulate the underlying development definition and strategy that motivates the agency to which they were assigned.

DEV 197.3

PRACTICUM IN SOCIAL DEVELOPMENT III

3 units

This course allows students to participate in development interventions and apply their learning to development situations. At the end of the practicum, students assess the experience and articulate the underlying development definition and strategy that motivates the agency to which they were assigned.

DEV 198.1

RESEARCH IN DEVELOPMENT ISSUES

3 units

Prerequisites: DEV 194, DEV 193.2

This research course requires students to undertake a critical review of articles and examine the methodologies used in testing hypotheses within a particular field of study. The required output of the course is equivalent to a thesis proposal.

DEV 198.2

FIELD SPECIALIZATION

3 units

Prerequisite: DEV 198.1

This is a synthesis of the courses taken for the AB Development Studies degree program. Students are expected to complete a thesis or a project. This course provides students with an opportunity to apply the lessons they have learned from the AB Development Studies Program.

# ECONOMICS

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The Economics Department seeks to build on what it has accomplished in the area of teaching and research in order to become a leading institution in the discipline; strengthen its mission to teach and train students in economic analysis and methodology in order to develop individuals who can contribute effectively to policy formulation, basic and advanced teaching in economics and research; and, To develop further its capability and expertise in theory and empirical research, directed to the generation and communication of new knowledge and ideas in economics and to the effective design of policy in the country.

## BACHELOR OF ARTS IN ECONOMICS

Economics is a scientific field of study fit for those who will occupy positions of authority and responsibility in business and public life. It enables the student to have a firm understanding of the workings of the economy: the roles of business and finance, the process of economic development, and the global economic integration of countries, to name a few. The training is rigorous and practical enough to be applied in everyday life.

Graduates of the program enjoy great flexibility in career options. Many have gone into the private business sector as experts in finance (such as securities trading and investment banking) and as project specialists working for prestigious local and multinational companies (such as land development and corporate planning.) The beauty of the program is that it also prepares students for other career options in government service, socially-oriented jobs (such as working for local and international NGOs), and in international development organizations. The program has also benefited many students who have gone on to earn an MBA or enter the law profession. Other graduates have gone on to pursue master's degrees and doctoral studies in economics in the Philippines and abroad.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 21	University Pre-calculus	3	MATH 30.14	Applied Calculus for Business and Economics II	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ECON 110	Principles of Economics	3	ECON 111	Intermediate Microeconomic Theory	3
ACCT 113	Fundamentals of Accounting	3	ECON 112	Intermediate Macroeconomic Theory	3
ArtAp 10	Art Appreciation	3	ECON 116	Statistics for Economists	3
SocSc 12	The Contemporary World	3	HISTO 12	Readings in Philippine History	3
STS 10	Science, Technology, and Society	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	FLC 11	Foreign Language and Culture 11	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		TOTAL	18(2)
	TOTAL	18(5)			

<b>THIRD YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>



ECON 115	Introduction to Mathematical Economics	3	ECON 118.01	Introduction to Econometrics II, Lecture	3
ECON 117.01	Introduction to Econometrics I, Lecture	3	ECON 118.02	Introduction to Econometrics II, Laboratory	1
ECON 117.02	Introduction to Econometrics I, Laboratory	1	IE2: ECON ELEC	Interdisciplinary Elective: Economics Elective	3
ECON 121	Development Economics	3	PHILO 12	Philosophy of Religion	3
PHILO 13	Ethics	3	SocSc 13	The Economy, Society, and Sustainable Development	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	IE 1	Interdisciplinary Elective 1 – English	3
	TOTAL	16(0)	NSTP 12	National Service Training Program 12	(3)
				TOTAL	16(3)

#### FOURTH YEAR

<b><u>Intersession</u></b>		<b><u>Units</u></b>			
ECON 197	Practicum	3			
	TOTAL	3(0)			
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ECON 199.1	Economic Research I	3	ECON ELECTIVE	Economics Elective	3
ECON ELECTIVE	Economics Elective	3	ECON ELECTIVE	Economics Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
IE 4	Interdisciplinary Elective 4	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 138(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN ECONOMICS (HONORS PROGRAM)

The Honors Program in Economics is designed for the select few who can hurdle the rigorous training in economics and quantitative methods that the program provides. It is intended for the student who wants to become a specialist and plans to have a career as a professional economist. In addition to the courses taken in the Standard program, the Honors program requires additional courses in mathematics and statistics and requires more rigorous research tooling students for graduate studies in economics.

Graduates of the Honors program have gone on to become specialists in business, finance, and the academe. Others enjoy successful careers in government as development specialists and policy makers.

#### FIRST YEAR

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
MATH 10	Mathematics in the Modern World	3	MATH 31.1	Mathematical Analysis 1A	3
MATH 21	University Pre-calculus	3	MATH 31.2	Mathematical Analysis 1B	3

HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	FLC 11	Foreign Language and Culture 11	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	19(2)		TOTAL	21(2)

#### SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ECON 110	Principles of Economics	3	ECON 111	Intermediate Microeconomic Theory	3
ACCT 113	Fundamentals of Accounting	3	ECON 112	Intermediate Macroeconomic Theory	3
MATH 31.3	Mathematical Analysis II	3	ECON 116	Statistics for Economists	3
SocSc 12	The Contemporary World	3	MATH 40.1	Linear Algebra	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		TOTAL	18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ECON 115	Introduction to Mathematical Economics	3	ECON 118.01	Introduction to Econometrics II, Lecture	3
ECON 117.01	Introduction to Econometrics I, Lecture	3	ECON 118.02	Introduction to Econometrics II, Laboratory	1
ECON 117.02	Introduction to Econometrics I, Laboratory	1	IE2:ECON ELEC	Interdisciplinary Elective: Economics Elective	3
ECON 121	Development Economics	3	PHILO 12	Philosophy of Religion	3
ArtAp 10	Art Appreciation	3	SocSc 13	The Economy, Society, and Sustainable Development	3
PHILO 13	Ethics	3	IE 1	Interdisciplinary Elective 1 – English	3
THEO 13	A Theology of Marriage, Family, and Vocation	3	NSTP 12	National Service Training Program 12	(3)
	TOTAL	19(0)		TOTAL	16(3)

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>			
ECON 197	Practicum	3			
	TOTAL	3(0)			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ECON 199.1	Economic Research I	3	ECON ELECTIVE	Economics Elective	3
ECON ELECTIVE	Economics Elective	3	ECON ELECTIVE	Economics Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
IE 4	Interdisciplinary Elective 4	3	IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 144(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN MANAGEMENT ECONOMICS

The Management Economics program was established to offer students the option of having a balanced mix of business education and economics. While the management side trains the student in the principles of firm management, the economics component grounds the student in economic theory. This dual orientation is the main strength of the program since, as recent events have shown, business survival does not only depend on sound internal management, but also on how well one can cope with external economic forces.

Graduates of the program are expected to have very flexible career options. Although many students have opted for careers in business and finance, others have used their business background in entrepreneurial endeavors. The program is a very good preparation for taking an MBA and establishing a career as a professional manager. It is also suitable as a pre-law course.

<b>FIRST YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
MATH 10	Mathematics in the Modern World	3	MATH 30.13	Applied Calculus for Business and Economics I	3
MATH 21	University Pre-calculus	3	MATH 30.14	Applied Calculus for Business and Economics II	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
TOTAL		19(2)			

<b>SECOND YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ECON 110	Principles of Economics	3	ECON 111	Intermediate Microeconomic Theory	3
ACCT 115	Financial Accounting	3	ECON 112	Intermediate Macroeconomic Theory	3
SocSc 12	The Contemporary World	3	ACCT 125	Managerial Accounting	3
STS 10	Science, Technology, and Society	3	ArtAp 10	Art Appreciation	3
THEO 12	Theology of the Catholic Social Vision	3	HISTO 12	Readings in Philippine History	3
FLC 11	Foreign Language and Culture 11	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
TOTAL		18(5)			

<b>THIRD YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ECON 115	Introduction to Mathematical Economics	3	ECON 117.01	Introduction to Econometrics I, Lecture	3
ECON 116	Statistics for Economists	3	ECON 117.02	Introduction to Econometrics I, Laboratory	1
ECON 121	Development Economics	3	LAS 111	Strategic Human Resource Management	3
FINN 113	Principles of Finance	3	MKTG 111	Marketing Management	3
PHILO 13	Ethics	3	OPMAN 120	Production and Operations Management	3

THEO 13	A Theology of Marriage, Family, and Vocation	3	PHILO 12	Philosophy of Religion	3
	TOTAL	18(0)	SocSc 13	The Economy, Society, and Sustainable Development	3
			NSTP 12	National Service Training Program 12	(3)
				TOTAL	19(3)

#### FOURTH YEAR

##### Intercession

ECON 197	Practicum	3
	TOTAL	3(0)

##### Units

##### First Semester

LAS 120.03	Strategy Formulation	3
ECON ELECTIVE	Economics Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 2	Interdisciplinary Elective 2	3
IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)

##### Second Semester

LAS 120.04	Strategy Implementation	3
ECON ELECTIVE	Economics Elective	3
ECON ELECTIVE	Economics Elective	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 1	Interdisciplinary Elective 1 – English	3
FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)

Total Number of Academic Units: 149(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## MINOR IN ECONOMICS

The Minor in Economics is for students who are interested in acquiring more theoretical knowledge, analytical skills and practical competencies in economics. It serves to complement other major disciplines allowing greater appreciation of current social and economic concerns.

### *Eligibility Requirements*

Majors which cannot qualify for the minor: AB EC, AB EC-H, AB MEC, and students with double major status in the Department of Economics

### *Admission Requirements*

C in ECON 110 and an unweighted minimum average of 1.75 in all math courses taken at the time of application

### *Minimum Grade Requirement*

Student must maintain an unweighted minimum average of C in all the required courses.

### *Program Curriculum*

#### Required Courses (12 units)

- ECON 110 Principles of Economics
- ECON 111 Intermediate Microeconomic Theory
- ECON 112 Intermediate Macroeconomic Theory

Elective (3 units)

One (1) ECON Elective (any other economics course)

Total Number of Units for the Minor: 15 units

MINOR/SPECIALIZATION IN FINANCIAL ECONOMICS

The Minor/Specialization in Financial Economics seeks to

- provide students from other disciplines who may be very interested in the workings of financial markets a concise package of courses that covers the essential areas of financial economics;
- provide students under the Department of Economics an in-depth understanding of the workings of financial markets through a set of electives that cover the specialized areas of financial economics; and
- equip students who may one day become finance practitioners and market analysts the tools necessary to make rational choices consistent with financial system stability.

	MINOR IN FINANCIAL ECONOMICS	SPECIALIZATION IN FINANCIAL ECONOMICS
Eligibility Requirements	Open to all majors, <b>except</b> major students from the Department of Economics	Open <b>only</b> to AB EC-H, AB EC and AB MEC students
Admission Requirements	Students admitted to our minor programs must have obtained a minimum grade of C in ECON 110; and must have an unweighted minimum average of 1.75 in all math courses taken at the time of application.	Students must have taken and passed the following courses: ECON 110, ECON 111, ECON 112. Students can apply for the specialization after Semester 2, Sophomore Year.
Minimum Grade Requirement	To be awarded this minor, the student must maintain an unweighted minimum average of C in all the required courses.	There are no minimum grade requirements on the courses taken for this Specialization other than the general and specific retention requirements applicable to his/her course.
Program Curriculum*	<u>Required Courses (12 units)</u> ECON 110 Principles of Economics ECON 111 Intermediate Microeconomic Theory ECON 112 Intermediate Macroeconomic Theory ECON 142 Financial Economics  <u>Electives (3 units; choose one)</u> ECON 113 Economics of Money and Banking ECON 114 International Finance ECON 141 Managerial Economics ECON 143 Options, Futures, and other Derivatives ECON 150 Economics of Public Finance	<u>Required Course (3 units)</u> ECON 142 Financial Economics  <u>Electives (9 units; choose three)</u> <i>Financial Economics Electives</i> ECON 113 Economics of Money and Banking ECON 114 International Finance ECON 141 Managerial Economics ECON 143 Options, Futures, and other Derivatives ECON 150 Economics of Public Finance ECON 185.71 Introduction to Behavioral Economics

	ECON 185.71 Introduction to Behavioral Economics	<i>Economics Area Studies Electives (these electives include discussion of the monetary/financial sector)</i>
	* ECON 110 is the prerequisite for ECON 111, ECON 112 and ECO 121. ECON 111 is the prerequisite for ECON 142. For the other ECON electives, their prerequisites may be ECON 110, ECON 111 and/or ECON 112.	ECON 134 Comparative Economic Development in Southeast and East Asia ECON 185.20 Special Topics in Economics: Contemporary Issues in Japanese Economy and Business Management ECON 185.22 Special Topics in Economics: Philippine-Japan Relations ECON 185.42 Special Topics in Economics: European Economic Integration ECON 185.48 Special Topics in Economics: Modern Chinese Economy ECON 185.70 Special Topics in Economics: South Korean Economic Development  * The prerequisites of the ECON Electives may be ECON 110, ECON 111 and/or ECON 112.
Total Units	15 units	12 units

## COURSE OFFERINGS

### ECON 110

#### PRINCIPLES OF ECONOMICS

3 units

This is an introduction to the basic concepts and methods in microeconomics and macroeconomics. Topics include the methodology of economics, supply and demand analysis, modeling the behavior of households and firms, types of markets, the role of the government, and the performance of the economy as a whole.

### ECON 111

#### INTERMEDIATE MICROECONOMIC THEORY

3 units

Prerequisite: ECON 110

This is an analysis of the pricing processes in a market economy under varying competitive conditions, their role in the allocation of resources, and the functional distribution of national income.

### ECON 112

#### INTERMEDIATE MACROECONOMIC THEORY

3 units

Prerequisite: ECON 110

This is an analysis of the theory of national income determination and economic growth in alternative models of the national economy and the interaction and relation of aspects of these models to empirical aggregate analysis.

ECON 113  
ECONOMICS OF MONEY AND BANKING

3 units

Prerequisite: ECON 112

This is a systematic treatment of the determinants of money supply, volume of credit, and monetary theory. Topics include economic analysis of credit markets and financial institutions in the Philippines such as the Central Bank, commercial banks, rural banks, insurance companies, and agricultural credit cooperatives.

ECON 114  
INTERNATIONAL FINANCE

3 units

Prerequisite: ECON 112

This is an examination of open economy macroeconomics, including the concepts of balance of payments and national income, interest rate parity and purchasing power parity, exchange rate determination, finance and development, globalization, and policy.

ECON 115  
INTRODUCTION TO MATHEMATICAL ECONOMICS

3 units

Prerequisite: ECON 111, ECON 112

This is an application of elementary mathematical techniques in economic analysis. Topics include economic models, static analysis, comparative static analysis, constrained and unconstrained optimization problems, duality theory, linear programming, and game theory.

ECON 116  
STATISTICS FOR ECONOMISTS

3 units

This is an introduction to mathematical statistics in economic analysis. Topics include measures of central tendency and dispersion; probability theory; random variables and special distribution functions such as the binomial, Poisson, and normal distributions, hypotheses testing, correlation analysis, and simple and multiple linear regression models.

ECON 117.01  
INTRODUCTION TO ECONOMETRICS I, LECTURE

3 units

Prerequisites: ECON 111, ECON 112, ECON 116 or equivalent

This is an Introduction to basic empirical methods for the quantitative analysis of economic phenomena. Topics include estimation and inference using classical linear regression model with emphasis on cross section data, violations of the classical linear regression model, instrumental variables, simultaneous equations, and basic discrete choice models, and instrumental variables, and simultaneous system of equations.

ECON 117.02  
INTRODUCTION TO ECONOMETRICS I, LABORATORY

1 unit

Prerequisites: ECON 111, ECON 112, ECON 116 or equivalent

This is an introduction to software applications for the analysis of cross-section data.

ECON 118.01  
INTRODUCTION TO ECONOMETRICS II, LECTURE

3 units

Prerequisites: ECON 117.01, ECON 117.02

This is a further introduction to empirical methods for the quantitative analysis of economic phenomena. Topics include time series and panel regression techniques.

ECON 118.02

INTRODUCTION TO ECONOMETRICS II, LABORATORY

1 unit

Prerequisite: ECON 117.01, ECON 117.02 or equivalent

This is an introduction to software applications for the analysis of time series and panel data.

ECON 121

DEVELOPMENT ECONOMICS

3 units

Prerequisite: ECON 110

This is a study toward provoking and maintaining accelerated economic growth and equity in less developed countries. Emphasis is on the competing perspectives on development, the interaction of socio-cultural change and economic growth, outside participation in economic modernization, the role of the state, and the role of international specialization.

ECON 122

INTERNATIONAL TRADE

3 units

Prerequisite: ECON 111

This is an introduction to international trade theory and policy. The first part discusses the evolution of international trade theory from the classical trade theory to the new trade theory. The second part discusses international trade policy, economic integration theory, and international factor movements. The third part discusses contemporary trade, development, and global issues. The last part examines the Philippines's trade policy and experiences in its bilateral/ regional relations.

ECON 123

INTERNATIONAL POLITICAL ECONOMY

3 units

Prerequisite: ECON 110

This is an introduction to international political economy, integrating insights of economics and political science and focusing on the activities within particular states and the international arena. Topics include the ideologies of international political economy, the experience of developed and developing economies, and Philippine trade policies.

ECON 124.03

HISTORY OF ECONOMICS I

3 units

Prerequisite: ECON 110

This is a survey of economic ideas from the early modern period to the early 20th century.

ECON 124.04

HISTORY OF ECONOMICS II

3 units

Prerequisite: ECON 110

This is a survey on the developments of economic ideas in the 20th century to the present.

ECON 130

ECONOMIC HISTORY OF THE PHILIPPINES

3 units

Prerequisite: ECON 110

This is an analysis of the colonial and contemporary economic policies and institutions of the Philippines.

ECON 131

ECONOMIC HISTORY OF MODERN JAPAN



3 units

Prerequisite: ECON 110

This is a study of the processes and problems of economic growth, and the evolution of economic institutions since the Tokugawa period. Focus is also on contemporary economic policy and experience after the Meiji Restoration.

ECON 132

ECONOMIC HISTORY OF MODERN EUROPE

3 units

Prerequisite: ECON 110

This is an analysis of significant processes and relationships in the economic development of Europe from the close of the Middle Ages to the present. Attention is given to reciprocal relationships between the social and political context and the behavior of the economy over time. Focus is also on the contemporary economic policy and experience in Europe.

ECON 133

ECONOMIC HISTORY OF THE UNITED STATES

3 units

Prerequisite: ECON 110

This is an examination of the major characteristics of the American economy from the late colonial period to the present. Special emphasis is given on the functional relationship between structural changes in the economy, and political demographic and social variables. Focus is also on the contemporary economic policy and experience in the United States.

ECON 134

COMPARATIVE ECONOMIC DEVELOPMENT IN SOUTHEAST ASIA AND EAST ASIA

3 units

Prerequisite: ECON 110

This is a survey of economic development in Southeast Asia and East Asia in an effort to discover typologies of development. Focus is also on contemporary economic policy and experience in Southeast and East Asia.

ECON 140

INDUSTRIAL ORGANIZATION

3 units

Prerequisite: ECON 111

This is a study of the 'structure-conduct-performance' paradigm of industrial organization economics, focusing on issues such as industry concentration, economies of scale, and alternative theories of the firm. Emphasis is on firm behavior. Topics include game-theoretic reinterpretations of oligopoly theories, limit pricing, and strategic entry deterrence.

ECON 141

MANAGERIAL ECONOMICS

3 units

Prerequisite: ECON 111

This is an application of general economic principles to the solution of business problems, with a view to developing an economic approach to management decisions. Relevant economic concepts such as imperfect competition, profits, demand, and cost are used as guiding principles in making managerial decisions.

ECON 142

FINANCIAL ECONOMICS

3 units

Prerequisite: ECON 111

This is a study of corporations as economic institutions for ordering the allocation of resources. Topics include short-term and capital financing, financial expansion and reorganization, emerging money and

capital markets in the Philippines, and current programs for correcting dislocations in the financial structure of domestic firms.

ECON 143

OPTIONS, FUTURES, AND OTHER DERIVATIVES

3 units

Prerequisite: ECON 110

This is a study of risk and its management with the use of financial instruments. The course discusses the different financial derivatives, from futures and options to more exotic instruments. Contract specifications, trading rules, pricing, and hedging strategies are discussed for each of the financial derivatives studies.

ECON 144

GAME THEORY FOR ECONOMISTS

3 units

Prerequisite: ECON 115 or equivalent

This is an introduction to game theory with emphasis on non-cooperative game theory: static and dynamic games of complete and incomplete information. Other topics include the basics of cooperative game theory, theories of bargaining, and the limits of game-theoretic economic analysis.

ECON 145

ECONOMIC GEOGRAPHY OF THE PHILIPPINES

3 units

The course is a spatial and economic inventory, classification, and development of the land, physical, and socioeconomic resources of the Philippines. It is an integrated assessment of the country's patrimony and their impacts to regional and national development.

ECON 146

LAW AND ECONOMICS

3 units

This course introduces the economic approach to the analysis of the law. Economic theories are used to assess the economic efficiency of laws and legal rules and to identify the best way to design rules that maximize social welfare. Economic concepts are used in examining private laws like torts, property, contracts, criminal law, and intellectual property. It would also apply economic analyses to public international law and Philippines regulatory policies.

ECON 150

ECONOMICS OF PUBLIC FINANCE

3 units

Prerequisite: ECON 110

This is an analysis of the role of government in allocating resources through its tax-expenditures program. Focus is on the national government and the use of fiscal policies to promote growth and maintain economic stability. Evaluation criteria are developed and applied to specific policies.

ECON 153

HEALTH ECONOMICS

3 units

Prerequisite: ECON 110

This is an introduction to economic analysis as applied to the health sector. Topics include the relationships between health and development, current concerns on efficiency and equity of public and private systems, evaluation of health and health care, and pricing and government regulations.

ECON 154

ECONOMICS OF POPULATION

3 units

Prerequisite: ECON 110

This is an examination of the factors that lead to population growth and its economic consequences. Using household consumption and production models, the existing conditions pertaining to the country's demography are not only analyzed but the evolution of the different methodologies used are also considered.

ECON 155

ECONOMICS OF LABOR

3 units

Prerequisite: ECON 111

This is a study of the institutional organization of labor markets and the major policy questions involved. Major topics include wage and employment theory, determinants of the level and structure of wage, technological change, unemployment; poverty and income distribution, inflation and income policy, and international trade and labor policy.

ECON 157

URBAN AND REGIONAL DEVELOPMENT

3 units

Prerequisite: ECON 110

This is a study of the economies of industry location, land utilization, urban structure and regional expansions, emphasizing their independence and the contribution of public policy to locational objectives, methods, stability, and balance.

ECON 159

ECONOMICS OF NATURAL RESOURCES AND ENVIRONMENT

3 units

Prerequisite: ECON 110

This is an analysis of the relationship and effects of economic activities on the environment but also the conceptual and policy tools to address environmental problems. Key topics include market failure and externalities, economic functions of the environment, and meaning, conditions, and constraints of sustainable development. Other topics include culture and values in resource management, market and non-market based approaches to environmental problems, valuation techniques of non-marketed goods, property rights and concept of environmental rights and justice, and importance of environmental education in promoting positive environmental attitudes.

ECON 160

ECONOMICS OF AGRICULTURAL DEVELOPMENT

3 units

Prerequisite: ECON 110

This is an analysis of the transformation of a country's agricultural sector to support industrial and service sectors. Topics include the problem and processes of evoking agricultural modernization, techniques of capturing gains in agricultural productivity for accelerated capital accumulation, and major policy implications involved.

ECON 161

PRIVATE ENTERPRISE AND PUBLIC POLICY

3 units

Prerequisite: ECON 110

This is an economic analysis of public policy in the private enterprise system. Topics include the bases for defining the public and private sectors, the role of economic nationalism through public legislation, and the economic performance of industrial organizations characterized by varying degrees of government intervention.

ECON 170

COMPARATIVE ECONOMIC SYSTEMS

3 units

Prerequisite: ECON 110

This is a comparative study of economic performance of various free and planned economies on the following major points: stability, resource utilization and growth of industrial and agricultural production, consumption, investment, foreign trade, and total output.

ECON 176

ECONOMICS OF THE PAPAL ENCYCLICALS

3 units

This is a consideration of Economics and its processes in relation to people and the larger society in which they work, in light of Catholic Social Teaching.

ECON 177

THEORY AND PRACTICE OF SOCIAL DEVELOPMENT

3 units

Prerequisite: ECON 110

This is an introduction to concepts and tools for analyzing poverty and inequality and for examining social development concerns. The course examines how key economic concepts and methods of analysis can be applied in assessing and evaluating a range of social development projects to address marginalization and exclusion. Alternative methods of economic and social organization within the Philippine social policy arena are explored.

ECON 185.05

SPECIAL TOPICS IN ECONOMICS: RURAL DEVELOPMENT

3 units

This is an analysis of the agrarian situation within the framework of the logic of capitalism in relation to peripheral economies. Principles of project and resource management are also discussed as tools that can aid in the goal of rural development.

ECON 185.10

SPECIAL TOPICS IN ECONOMICS: MARXIST POLITICAL ECONOMY

3 units

This is a workshop on the original text by Karl Marx. Focus is on economic theory.

ECON 185.13

SPECIAL TOPICS IN ECONOMICS: ECONOMICS OF HUMAN RESOURCES

3 units

Prerequisite: ECON 110

This is an introduction to topics pertaining to human resources, including human capital and labor markets. Focus is on specific issues such as returns to education and other types of human investment, the distribution of earnings and income, population growth and poverty, and labor market policy.

ECON 185.20

SPECIAL TOPICS IN ECONOMICS: CONTEMPORARY ISSUES IN JAPANESE ECONOMY AND BUSINESS MANAGEMENT

3 units

This is a discussion of contemporary issues in Japan's domestic economy and international economic issues involving Japan. Topics include factors behind the strong yen, impact of a strong yen, impact of an aging Japanese population, recession and recovery in Japan, and the role of Japan in Asia.

ECON 185.22

SPECIAL TOPICS IN ECONOMICS: PHILIPPINE-JAPAN RELATIONS

3 units

This is a survey of Philippine-Japan relations from the 16th century to the present. Topics include

immigration, trade, investments, and cultural exchanges.

ECON 185.26

SPECIAL TOPICS IN ECONOMICS: APPLIED MACROECONOMICS

3 units

The course is about Macroeconomic Theory and its application. The course was designed to introduce students to the applicative features of theory; its relevance to the present day economic state of affairs. Theories are discussed and explained for the purpose of determining whether or not these theories can still be used and/or utilized to explain present-day behaviors of economic agents as they interact and interrelate in the general macroeconomy.

ECON 185.33

SPECIAL TOPICS IN ECONOMICS: OTHER TOPICS IN MATHEMATICAL ECONOMICS

3 units

This course studies advanced mathematical techniques and their applications in economic theory and applied economic analysis. Two important areas of mathematical economics are covered: dynamic analysis and optimization (differential and difference equations, simultaneous dynamic equations), and linear optimization models (game theory and input-output economics).

ECON 185.39

SPECIAL TOPICS IN ECONOMICS: INPUT-OUTPUT ECONOMICS

3 units

Prerequisite: ECON 115 or equivalent

This is a study of input-output models of national economies using linear algebra as a tool for input-output analysis. This technique can be used for planning purposes and multiplier analysis.

ECON 185.42

SPECIAL TOPICS IN ECONOMICS: INTRODUCTION TO EUROPEAN ECONOMIC INTEGRATION

3 units

Prerequisite: ECON 110

This is an analysis of economic theories and empirical studies on European economic integration through the adoption of common policies and the elimination of economic frontiers. Focus is on the relevant economic theories and empirical studies to understand the integration process.

ECON 185.48

SPECIAL TOPICS IN ECONOMICS: MODERN CHINESE ECONOMY

3 units

This is an introduction to the modern Chinese economy focusing on reforms undertaken to move from a centrally-planned to a market-oriented economy, and how it has increasingly integrated itself into the global economy.

ECON 185.52

SPECIAL TOPICS IN ECONOMICS: INFORMATION ECONOMICS

3 units

This is an introductory course in the economics of information. We relax the assumption frequently employed in microeconomics that all information is fully available to anyone and study the consequences of asymmetric information on efficiency and organizational/contract design.

ECON 185.54

SPECIAL TOPICS IN ECONOMICS: INTERNATIONAL ECONOMIC RELATIONS

3 units

Prerequisite: ECON 110

This is an exploration of various economic topics relating to the open economy, including a survey of international trade theories. Topics include controversial issues in the debate over trade liberalization, the role of international bodies such as the World Bank, and the importance of factor movements.

ECON 185.57

SPECIAL TOPICS IN ECONOMICS: SURVEY SAMPLING METHODS FOR ECONOMISTS

3 units

Prerequisite: ECON 116 or equivalent

This is an introduction to the history, theories, and methods of survey research. Focus is on the design, development, execution, and analysis of surveys. Survey sampling, question construction, questionnaire design, survey data analysis, and research ethics are covered. Topics include the theoretical and intellectual basis of surveys.

ECON 185.60

SPECIAL TOPICS IN ECONOMICS: ENVIRONMENTAL POLICY

3 units

The course deals with the selection and design of policy instruments for the environment. It covers the following topics: (1) the need for environmental and natural resource policy (2) categories of policy instruments and their effects, (3) criteria in selecting policy instruments, and (4) policy instruments for water, fisheries, forestry, agriculture, road transportation, pollution, climate change mitigation, and solid waste.

ECON 185.61

SPECIAL TOPICS IN ECONOMICS: SOCIAL, POLITICAL, AND ECOLOGICAL ECONOMICS

3 units

Prerequisite: ECON 110

This is a historical map of economic thought including contemporary social, political, and ecological economics. Starting from the early classical works of the Physiocrats, Sismondi, John Stuart Mill, and Karl Marx, the development of these streams of thought are traced to provide fresh insights into modern problems.

ECON 185.63

SPECIAL TOPICS IN ECONOMICS: COMPARATIVE ECONOMIC THEORIES:  
NEOCLASSICAL VS. MARXIAN ECONOMICS

3 units

Prerequisite: ECON 110

This is an introduction to the debates between capitalism and socialism. Students review the representative economic theory of capitalism (Neoclassical economics) and discover the representative economic theory of socialism (Marxian economics).

ECON 185.64

SPECIAL TOPICS IN ECONOMICS: MARITIME ECONOMICS

3 units

The course focuses on the application of economic principles to the maritime transport sector. The course examines the major sectors of the shipping industry and their characteristics, recent trends and developments in each market and the various regulations governing their operations.

ECON 185.66

SPECIAL TOPICS IN ECONOMICS: WORKSHOP IN HAPPINESS ECONOMICS

3 units

Prerequisite: ECON 110

This is an introduction to the economics and psychology of subjective well-being.

ECON 185.67

SPECIAL TOPICS IN ECONOMICS: TIME SERIES ANALYSIS AND GENERAL LINEAR MODELS

3 units

Prerequisites: ECON 117.01 and ECON 117.02

This course introduces time series analysis (ARMA and ARIMA processes) and general linear models (logistic regression and Poisson regression) that can be useful for doing research in economics. Students learn how to apply the statistical techniques using statistical software and interpret the results.

ECON 185.70

SPECIAL TOPICS IN ECONOMICS: SOUTH KOREAN ECONOMIC DEVELOPMENT

3 units

Prerequisite: ECON 110

This course provides an overview of the economic development of South Korea from the end of World War II to the present time. It reviews South Korea's economic development policies, culture, and social value system to explain its success and, more importantly, distill valuable learning insights for the Philippine economy.

ECON 185.71

INTRODUCTION TO BEHAVIORAL ECONOMICS

3 units

Prerequisites: ECON 111, ECON 112

This course introduces behavioral economics as a field of inquiry that combines psychology and economics. It seeks to present a better understanding of human judgment and decision-making under conditions of certainty and uncertainty, on how mental representations of economic processes affect judgment and decision-making etc. Topics introduce students to the applications in business, finance, investment, social issues (e.g., health, poverty, etc.) and economic policies (e.g., taxation, etc.).

ECON 197

PRACTICUM

3 units

This is an application of knowledge and skills acquired in theory and methods courses to task or assignment in the context of a government agency, private corporation, school, or non-governmental organization. Students render two hundred hours of practicum training; and, at the end of their program, submit a report on their work and experience.

ECON 199.1

ECONOMIC RESEARCH I

3 units

Prerequisites: ECON 117.01, 117.02, 118.01, and 118.02

This is a course applying research procedures and integrating theories and statistical analysis in the writing of a thesis.

# EDUCATION

3/F Social Sciences Building  
(632) 8426-6001 loc. 5230/5231  
[education.soss@ateneo.edu](mailto:education.soss@ateneo.edu)

The Education Department of the Ateneo de Manila University is committed to serve the Philippine educational system through graduate education and research programs, to empower educators through an understanding of their profession and vocation, and to lead in influencing educational policies and directions.

While the Department primarily offers a graduate degree program, it now offers a Minor in Education to undergraduates looking toward a career in teaching.



## MINOR IN EDUCATION

With the increasing demand for competent teachers, many non-education majors consider teaching as an option after graduation. Undergraduates in the University take education units as electives. However, they find that these undergraduate courses are not sufficient credentials to be able to teach in the basic education level and to take the licensure examination for teachers. The Department would like to respond to the need of these students by offering a Minor in Education.

### *Eligibility Requirement*

Any student enrolled in an undergraduate program of the Loyola Schools of the Ateneo de Manila University may apply for this Minor.

### *Minimum Grade Requirement*

No grade lower than C+ in the minor courses

### *Program Curriculum*

#### Required Courses (12 units)

EDUC 101	Fundamentals of Education
EDUC 130	Principles and Methods of Teaching
EDUC 132	Educational Psychology
EDUC 145	Classroom Assessment

#### Elective (3 units; choose one)

EDUC 130.3	Practice Teaching
EDUC 140	Curriculum Development

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

EDUC 101

FUNDAMENTALS OF EDUCATION

3 units

This course is a study of the basic theories, principles, and concepts in education. Students are given a frame of reference for understanding current issues and problems in the field of education.

EDUC 102

THE TEACHING PROFESSION

3 units

This course is a study of the characteristics of a teacher as a person and the competencies of a professional teacher. Students define their personal values, attitudes, and beliefs about teaching.

EDUC 102.1

FIELD STUDY: ON BECOMING A TEACHER

1 unit

This is a field study course anchored on EDUC 102: The Teaching Profession. It is designed to provide real life and vicarious experiences of teachers. Emphasis is on the characteristics of a teacher as a person and as a professional.

EDUC 130

PRINCIPLES AND METHODS OF TEACHING

3 units

This course introduces the different techniques of teaching in different subject areas, preparation of lessons, the use of instructional materials and media, and classroom management. The course is designed to help prospective teachers explore and reflect on the process of becoming an effective teacher.

EDUC 130.1

FIELD STUDY: EXPERIENCING THE TEACHING-LEARNING PROCESS

1 unit

This is a field course anchored on EDUC 130: Principles and Methods of Teaching. Students are provided with opportunities to observe the application of teaching theories and principles in the learning environment.

EDUC 130.2

CLASSROOM OBSERVATION

3 units

This course is concerned primarily with classroom experiences that enhance effective teaching and learning. It is designed to allow students to be actively engaged in the learning process through actual observation, reflection, and evaluation of classroom experiences.

EDUC 130.3

PRACTICE TEACHING

3 units

This is a practice course designed to familiarize students with the guidelines and principles of teaching. Students work with a teacher in the classroom to familiarize themselves with different teacher roles and school and classroom routine.

EDUC 132

EDUCATIONAL PSYCHOLOGY

3 units

This course is a study of human learning, development, and motivation. Focus is on translating learning theories, concepts, and principles into applications for any teaching-learning situation.

EDUC 132.1

FIELD STUDY: LEARNERS DEVELOPMENT AND ENVIRONMENT

1 unit

This is a field study course anchored on EDUC 132: Educational Psychology. Students are provided with opportunities to observe the learner's behavior in their actual learning environment and to recognize their holistic development in the classroom.

EDUC 140

CURRICULUM DEVELOPMENT

3 units

This course is an introduction to the basic principles of curriculum planning, design, and implementation.

EDUC 140.1

FIELD STUDY: UNDERSTANDING CURRICULUM DEVELOPMENT

1 unit

This is a field study course anchored on EDUC 140: Curriculum Development. Students are given an opportunity to apply and gain insights on curriculum design and implementation.

EDUC 145

CLASSROOM ASSESSMENT

3 units

This course is an introduction to assessment principles that specifically relate to instruction. Students develop skills in constructing classroom tests and assessments that measure a variety of learning outcomes and gain competence in administering and interpreting test results.

EDUC 145.1

FIELD STUDY: LEARNING ASSESSMENT STRATEGIES

1 unit

This is a field study course anchored on EDUC 145: Classroom Assessment. Students are provided with hands-on experiences in selecting, constructing, and evaluating conventional and alternative assessment tools used in the learning environment based on the principles of testing.

# EUROPEAN STUDIES

Ricardo & Dr. Rosita Leong Hall, Rm 307  
(632) 8426-6001 loc. 5238/5239  
telefax: (632) 927-5814  
[europeanstudies.soss@ateneo.edu](mailto:europeanstudies.soss@ateneo.edu)

The European Studies Program seeks to be a premier academic institution with expertise on Europe and the European Union.

It forms leaders who possess a keen understanding of Europe and the European Union, and who stand to be important drivers in the future of the Philippines.

## BACHELOR OF ARTS IN EUROPEAN STUDIES

AB European Studies is a multidisciplinary program focusing on the political, economic, social, and cultural institutions of the European Union and its policymaking process. Special focus is given to the European integration process, as well as links between Europe and the Philippines. Students can choose between two specializations – *International Relations*, focusing on the internal and external political dynamics of Europe; and *Business and Economics*, which does not only concentrate on Europe’s business and economy, but provides students with general skills in finance and accounting. Students are also required to specialize in any of the three European languages (Spanish, French or German).

The program gives the students the advantage of first-hand business and cultural exposure of the continent through a study tour, summer internship (local or overseas), study abroad program and service learning courses.

### *Program Learning Objectives*

For the European Studies Program, the ideal Ateneo graduate of AB European Studies is someone who:

- (a) Understands Europe and the EU – its integration, institutions, principles and policies;
- (b) Examines and assesses Europe’s impact in world affairs and in the further integration of the Asia-Pacific region;
- (c) Critically evaluates EU–Philippine political, economic, social and cultural relations;
- (d) Applies economic, political and cultural concepts and methods applicable in doing research on Europe;
- (e) Participates and discusses the implications of EU foreign policy on Philippines; and
- (f) Develops confidence, competence and proficiency in the use of a European language (French, Spanish or German) that will enhance their employability in the academe, business, government, non-government organization, and international organizations.

## BACHELOR OF ARTS IN EUROPEAN STUDIES (Specialization in Business and Economics)

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
FRE/GER/SPA 11	Foreign Language and Culture 11 (for AB EU)	3	EURO 20	Evolution of European Integration	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
HISTO 31	Survey of Western Civilization	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

## SECOND YEAR

<u>Interession</u>		<u>Units</u>	
ArtAp 10	Art Appreciation	3	
STS 10	Science, Technology, and Society	3	
	TOTAL	6(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
EURO 22	Policies and Institutions of the European Union	3	ECON 110 Principles of Economics	3
EURO 23	Europe, Globalization and Popular Culture	3	FRE/GER/SPA 13 Foreign Language and Culture 13 (for AB EU)	3
FRE/GER/SPA 12	Foreign Language and Culture 12 (for AB EU)	3	SOCIO 192.1 Statistical Analysis for the Social Sciences	3
ACCT 113	Fundamentals of Accounting	3	FINN 111 Fundamentals of Finance	3
SocSc 12	The Contemporary World	3	HISTO 12 Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11 Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4 Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL	18(2)
	TOTAL	18(5)		

## THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
EURO 21	Cross Cultural Communication	3	EURO 24 Economics of the European Integration	3
FRE/GER/SPA 14	Foreign Language and Culture 14 (for AB EU)	3	EURO 25 European Political and Social Integration	3
MKTG 111	Marketing Management	3	ECON 121 Development Economics	3
PHILO 13	Ethics	3	FRE/GER/SPA 15 Foreign Language and Culture 15 (for AB EU)	3
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12 Philosophy of Religion	3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 13 A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)	TOTAL	18(0)
	TOTAL	18(3)		

## FOURTH YEAR

<u>Interession</u>		<u>Units</u>	
EURO 197	Integrating Class	3	
	TOTAL	3(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
EURO 120	Business Strategies and Experiences in Europe	3	EURO 199 Research on Europe	3
EURO 121	Europe and International Finance	3	EURO ELECTIVE European Studies Elective	3
EURO 122	Europe and International Economic Relations	3	SocSc14 Politics, Governance, and Citizenship	3
EURO 192	Research Methods	3	IE 3 Interdisciplinary Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	FREE ELECTIVE Free Elective	3
IE 2	Interdisciplinary Elective 2	3	TOTAL	15(0)
	TOTAL	18(0)		

Total Number of Academic Units: 151(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN EUROPEAN STUDIES (Specialization in International Relations)

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
FRE/GER/SPA 11	Foreign Language and Culture 11 (for AB EU)	3	EURO 20	Evolution of European Integration	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	MATH 10	Mathematics in the Modern World	3
HISTO 31	Survey of Western Civilization	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			

		<b>SECOND YEAR</b>		
<u>Interession</u>		<u>Units</u>		
ArtAp 10	Art Appreciation	3		
STS 10	Science, Technology, and Society	3		
	TOTAL	6(0)		

		<b>FIRST SEMESTER</b>		<b>SECOND SEMESTER</b>		
<u>First Semester</u>		<u>Units</u>		<u>Second Semester</u>		<u>Units</u>
EURO 22	Policies and Institutions of the European Union	3	EURO 112	Basic Legal Concepts of the European Union		3
EURO 23	Europe, Globalization and Popular Culture	3	ECON 110	Principles of Economics		3
EURO 111	Introduction to Law and Legal Concepts of the European Union	3	FRE/GER/SPA 13	Foreign Language and Culture 13 (for AB EU)		3
FRE/GER/SPA 12	Foreign Language and Culture 12 (for AB EU)	3	SOCIO 192.1	Statistical Analysis for the Social Sciences		3
SocSc 12	The Contemporary World	3	HISTO 12	Readings in Philippine History		3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition		3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4		(2)
PHYED 3	Physical Education 3	(2)		TOTAL		18(2)
	TOTAL	18(5)				

		<b>THIRD YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
EURO 21	Cross Cultural Communication	3	EURO 24	Economics of the European Integration	3
FRE/GER/SPA 14	Foreign Language and Culture 14 (for AB EU)	3	EURO 25	European Political and Social Integration	3
POLSC 130	International Relations	3	ECON 113	Comparative European Politics	3
PHILO 13	Ethics	3	FRE/GER/SPA 15	Foreign Language and Culture 15 (for AB EU)	3

SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program 12	(3)		TOTAL	18(0)
	TOTAL	18(3)			

#### FOURTH YEAR

#### Intersession

EURO 197	Integrating Class	3
	TOTAL	3(0)

#### Units

#### First Semester

EURO 114	European Diplomatic Practice	3
EURO 115	External Relations of the European Nation	3
EURO 192	Research Methods	3
POLSC 131	International Political Economy	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)

#### Second Semester

EURO 199	Research on Europe	3
EURO ELECTIVE	European Studies Elective	3
SocSc14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective	3
FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)

Total Number of Academic Units: 151(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR IN EUROPEAN STUDIES

The Minor Program provides students understanding and appreciation for Europe's history, culture, politics and economics. This knowledge equips students with an appreciation of the business opportunities offered by the European Single Market, the common cultural and political heritage of Europe and the Philippines, and the politics and diplomatic prospects of closer Philippine-European relations.

#### *Eligibility Requirement*

The Minor is open to all LS undergraduate students except AB EU majors.

#### *Minimum Grade Requirement*

Passing grade (D) for all the courses required to attain the Minor

#### *Program Curriculum*

#### Required Courses (15 units):

FLC 11 FRE/GER/SPA (Choose one)

EURO 20 Evolution of European Integration

EURO 22 Policies and Institutions of the European Union

EURO 24 / 25 Economics of European Integration / European Political and Social Integration

EURO 120 / 114 Business Strategies and Experiences in Europe / European Diplomatic Practice

Total Number of Units for the Minor: 15 units



## COURSE OFFERINGS

### EURO 20

#### EVOLUTION OF EUROPEAN INTEGRATION

3 units

This course looks into the evolution of Europe's social, political and economic conditions that resulted in greater integration in Europe. An inquiry into the characteristics of regional integration allows students to trace certain key events, issues and concepts that play significant roles in Europe's evolution towards a highly integrated region that plays a central role in world affairs. By doing this, the course is also able to provide a basic understanding of the challenge, particularity and opportunities that regional integration has a movement.

### EURO 21

#### CROSS CULTURAL COMMUNICATION

3 units

The course teaches students about communicating across cultures, and the issues that are associated with such an endeavor. It discusses cross cultural communication as a skill, which can be undermined by lack of cultural openness and knowledge. The course then proceeds to equip students with the tools needed to successfully interact with other cultures, particularly those in Europe. Finally, the course examines how cross cultural communication has contributed to regional integration in Europe, and the implications of this phenomenon.

### EURO 22

#### POLICIES AND INSTITUTIONS OF THE EUROPEAN UNION

3 units

Prerequisite: EURO 20

This course looks at the formation, history and functions of the institutions of the European Union, as well as the policies generated by the European integration efforts since the Second World War. These subjects are discussed against the background of the postwar political and economic history of Europe. It covers the relations with international institutions, and how specific European Policies are influenced by the international institutions.

### EURO 23

#### EUROPE, GLOBALIZATION AND POPULAR CULTURE

3 units

One characteristic of present-day societies is the increasing significance of global popular culture in geographic localities, which is facilitated by processes of globalization and the spread of information and communications technologies. Europe is no less immune to this penetration, however, it is also a site where trends in global popular culture are created or enhanced. This course looks at the interfaces between global popular culture and the European region, examining both the ways that Europe affects, and has been affected by, popular culture in the rest of the world.

### EURO 24

#### ECONOMICS OF THE EUROPEAN INTEGRATION

3 units

Prerequisites: EURO 22 and ECON 110

This course studies European integration from a more focused economic point of view. Students acquire in-depth knowledge of the following items; economic integration theory, both the 'real' and monetary sides, the economic rationale and effects of common European economic policies, like the common agricultural policy, transport policy, industrial and social policy. Also, students give considerable attention to the causes, effects and design of monetary integration.

EURO 25  
EUROPEAN POLITICAL AND SOCIAL INTEGRATION

3 units

Prerequisites: EURO 20 and EURO 22

The course is a survey of the theories and concepts that are related to the phenomenon of European Union integration on the political and social fronts. In so doing, the course provides students with basic frameworks and concepts to supplement their understanding of European regional integration. It also provides them with theories for understanding regional integration as a phenomenon that is also occurring outside of Europe.

EURO 111  
INTRODUCTION TO LAW AND LEGAL CONCEPTS OF THE EUROPEAN UNION

3 units

Prerequisite: EURO 20

This course introduces students to basic legal concepts necessary for an understanding of how law operates within specific legal systems, such as civil law, common law, indigenous societies, Shariah law, and international law. It is especially designed to prepare students to distinguish between common law and civil law as it applies to the European context. It provides a broad appreciation of the interplay between various European legal processes and systems.

EURO 112  
BASIC LEGAL CONCEPTS OF THE EUROPEAN UNION

3 units

Prerequisite: EURO 22, EURO 111

This course deals with laws of the Economic Community which provide the legal underpinning to the Community's various policies, programs and activities. It also provides an understanding of the role and operations of the European Court of Justice in interpreting these laws and setting the economic disputes between the EC states and the Community (e.i., rules, regulations and directives)

EURO 113  
COMPARATIVE EUROPEAN POLITICS

3 units

Prerequisite: EURO 20, EURO 22

This course discusses the various political experiences of the many countries in Europe and the European Union. This involves the analysis of European states' individual political history, their forms of government, the various movements and regimes that continue to affect the political landscape of both the European Union and Europe itself.

EURO 114  
EUROPEAN DIPLOMATIC PRACTICE

3 units

Diplomacy and the diplomatic practice are at the core of the intergovernmental and supranational institutions that comprise the European Union, with diplomats present in all levels of the Union's governance. The diplomatic practices that exist at present, however, are not novel inventions. They have undergone a process of historical development that began as early as the period of the Ancient Greeks. As such, the course provides an understanding of the history of European diplomacy to attain a better grasp of the role that individual nation-states play in the governance of the European Union.

EURO 115  
EXTERNAL RELATIONS OF THE EUROPEAN UNION

3 units

Prerequisites: EURO 22, POLSCI 130

This course examines the relations of the European Union with the third states particularly those with the United States and Japan and those countries that make up the African, Caribbean and Pacific bloc. In relation to this, this course focuses on the Commission and its role in the implementation of the so-called commercial

policy which is the basis of the European Union's competency in external affairs. Using a historical approach, the course looks at the primary treaties that transformed the European Union into a more integrated community with common currency and foreign policy.

#### EURO 120

##### BUSINESS STRATEGIES AND EXPERIENCES IN EUROPE

3 units

This course focuses on case studies about different companies and the various strategies they employed when adapting to the European cultural experience, and how they overcame the challenges posed by the integrated legal framework of the harmonized laws, directives, and regulations in Europe and the European Union and the different cultural contexts in which they manage to do business in these nations.

#### EURO 121

##### EUROPE AND INTERNATIONAL FINANCE

3 units

The course is divided into two parts. The first part of the course discusses the workings of the Foreign Exchange Market, with a focus on Foreign Exchange Rate Determination and Management. This portion of the course prepares the students for the main topic of the course (the second part), which deals with Monetary Integration in the EU. In the second part of the course, the discussions include the criteria for the adoption of a Common Currency (i.e. the Euro), its implementation and the tasks in participating in the Eurozone.

#### EURO 122

##### EUROPE AND INTERNATIONAL ECONOMIC RELATIONS

3 units

The course focuses on European Integration in a global economy. The first part of the course discusses basic concepts on international trade theory and policy and the role of international institutions in trade and finance. Next, the course examines contemporary issues affecting the European Union (EU) and its economic relations with the US, China, Russia, Japan, European Free Trade Area (EFTA), and other developing countries. Finally, the emergence of the BRICs (Brazil, Russian, India and China) and its trade effects on Eastern and South-Eastern Europe is discussed in the context of its integration with Western Europe.

#### EURO 180

##### SPECIAL TOPICS IN RUSSIAN HISTORY, SOCIETY AND CULTURE

3 units

The course introduces students to particular aspects of Russian history, society and culture that are of current relevance, importance and general interest.

#### EURO 180.1

##### SPECIAL TOPICS IN RUSSIAN HISTORY, SOCIETY AND CULTURE:

##### CROSS-CULTURAL COMMUNICATION IN RUSSIA

3 units

The course acquaints the students with the basic concepts for an effective cross-cultural communication focusing on Russia, while working within a defined cross-cultural communication process using Filipino and Russian as the main contextual model. Students in this course reflect on their own skills in a multicultural context, addressing the current or future necessity of interacting with Russians in a professional environment.

#### EURO 180.2

##### SPECIAL TOPICS IN RUSSIAN HISTORY, SOCIETY, AND CULTURE:

##### RUSSIAN MUSIC AND THE PERFORMING ARTS

3 units

A survey of the Performing Arts History of Russia, the course focuses on the search for the Russian "national character" in music, dance and theater and its relation to the West, European Art and Literature, the rise of

neo-classicism, Russian performing arts in the Silver age, avant-garde influence in the early 20th century, the impact of USSR and US politics and culture and the Philippines and Asia's link to Russia's arts, culture and society.

#### EURO 181

##### SPECIAL TOPICS IN RUSSIAN POLITICS, ECONOMICS AND BUSINESS

3 units

The course introduces students to particular aspects of Russian politics, economics and business that are of current relevance, importance and general interest.

#### EURO 181.1

##### SPECIAL TOPICS IN RUSSIAN POLITICS, ECONOMICS AND BUSINESS: RUSSIAN FOREIGN POLICY

3 units

The course basically is an attempt to introduce the students to the various dimensions and paradigms in which foreign policies of states are conducted, performed, and explained. However, the course particularly focuses, emphasizes, and gives attention on how the foreign policies of the great powers of the contemporary world in the likes of Russia, US and China are crafted and formulated. More specifically, the course tries to facilitate an understanding of the external and internal factors that help shape the crafting and formulation of foreign policies of these countries and their impacts and dynamics on each other.

#### EURO 182

##### FRAMEWORKS IN SOCIAL AND CULTURAL ANALYSIS

3 units

This course introduces students to social science frameworks that are employed in analyzing societies and cultures, many of which have their origins in Europe. It surveys the writings of Ancient Greek, Roman and Medieval philosophers and connects ideas contained within them to more modern philosophies of the enlightenment, as well as to the writings of early sociologists and anthropologists. The course also examines more contemporary theories of society and culture, which take into account such concepts as globalization, space, nationalism and postcolonialism, ethnicity, nationalism, cyberculture, gender and sexuality, leisure and media.

#### EURO 182.1

##### EUROPEAN SOCIAL TRANSFORMATIONS: FROM MODERNITY TO POSTMODERNITY

3 units

This course traces the major social transformations that occurred in Europe as a result of the changes that took place during the modern period, which roughly coincided with the spread of the Industrial Revolution throughout the region. Among these transformations are the changes in modes of production and the subsequent adjustments in social inequality, both in terms of social class and in terms of gender. The course then links the changes in the modern period to more contemporary transformations in postmodernity, which include the weakening of modern constructs such as the nation-state in the face of globalization.

#### EURO 182.2

##### PERSPECTIVES ON EUROPEAN CULTURAL PRODUCTION

3 units

Cultural products come in a variety of forms, from relatively old examples such as paintings, music, and literature to more contemporary products such as television, radio, newspapers and film. This course examines the phenomenon of European cultural production from various perspectives, such as those of producers and those of consumers. Using theories from sociology, anthropology and cultural studies, this course examines how social factors influence both the way that cultural products are produced, as well as the way that consumers attach meanings to them.

#### EURO 182.3

##### GEOGRAPHY OF CULTURE IN EUROPE

3 units

This course introduces students to the spatial distribution of cultures, regions and nation-states in Europe. Emphasis is on defining important geographical concepts and identifying major political boundaries, as well as understanding current and recent national and ethnic conflicts from the perspective of Geography. The course provides a body of knowledge about the creation of places and regions, and the major changes that have taken place in European landscapes, and exposes students to the human and cultural aspects of Geography, looking at how cultures are born, changed and are distributed throughout Europe.

EURO 182.4

EUROPE AND THE OTHER: RACE, RELIGION AND MULTICULTURALISM

3 units

This course provides students with various points of view on the relations of Europe with its neighbors and its partners throughout the world. Using concepts of race, religion and culture, the course examines the different ways that Europe is defined by Europeans themselves, and the implications of the meaning on the way Europe engages non-Europeans.

EURO 182.5

EUROPEAN MEDIA ENVIRONMENT

3 units

Prerequisite: EURO 22

The course provides an overview of the communications policies within the European Union. It looks at why and how they are formulated and how they interact with existing national laws. It analyzes the media environment of select states, the institutions that affect the EU policy-making in this area, and current issues in European Media.

EURO 183

SPECIAL TOPICS IN EUROPEAN ECONOMICS

3 units

The course introduces the students to particular areas in European Economics that are of current importance and relevance, and of general interest.

EURO 183.1

SPECIAL TOPICS IN EUROPEAN ECONOMICS: COMPETITION POLICY AND THE EU COMPETITION LAW

3 units

The course focuses on the fundamentals of Competition Policy and traces the development of EU Competition Law through the EU Treaties, legislative Acts and the case law of the Court of Justice. The first part of the course introduces students to various economic concepts, theories and models relevant to anti-trust issues and case law. The second part involves a discussion of the important changes introduced by the Commission, Council and decisions of the Court of Justice. Through the case law of the Court of Justice, the course traces the different stages of the development and modernization of Competition Policy.

EURO 183.2

SPECIAL TOPICS IN EUROPEAN ECONOMICS:  
INTELLECTUAL PROPERTY RIGHTS (IPR) AND EU IPR LAW

3 units

This course discusses the forms of intellectual property rights: copyrights, trademarks, and patents. It tackles current issues including plagiarism, brand identity theft, and corporate espionage, as well as the ethical implications of these laws. It uses the European standard of intellectual property as the basis, as these are the most standardized of these laws worldwide.

EURO 184

SPECIAL TOPICS IN EUROPEAN BUSINESS

3 units

The course introduces the students to particular areas in the European Business that are of current importance and relevance, and of general interest.

EURO 184.1

SPECIAL TOPICS IN EUROPEAN BUSINESS: EUROPEAN INNOVATION AND ENTREPRENEURSHIP

3 units

The course provides students an understanding of the principles of innovation as applied to business enterprises, drawing from the insights of or the lessons learned by European entrepreneurs, scholars, and professionals. Particular emphasis is on good practices on innovation and entrepreneurship, as practiced by European small and medium enterprises (SMEs).

EURO 184.2

SPECIAL TOPICS IN EUROPEAN BUSINESS: BUSINESS CRIMINAL LAW

3 units

This course studies the laws that are designed to guard against illegal business practices and discusses the most common forms in which these practices take place. It provides a comparative study of laws, in the Philippines and Europe, looking into how compliance with the law can be fulfilled while also engaging with the complexities of a globalized world.

EURO 184.3

SPECIAL TOPICS IN EUROPEAN BUSINESS: EUROPEAN BUSINESS ETHICS AND CULTURAL PRACTICES

3 units

This course seeks to explore the various means of doing business in Europe by focusing on what the different European cultures find socially and ethically acceptable, from proper etiquette and codes of conduct to ethical principles. It provides the definitions of what the Western world would consider as corporate social responsibility, or ethical and sustainable business in Europe.

EURO 185

SPECIAL TOPICS IN EUROPEAN POLITICS

3 units

The course introduces the students to particular areas in the European Politics that are of current importance and relevance, and of general interest.

EURO 185.1

SPECIAL TOPICS IN EUROPEAN POLITICS: EUROPE AND ENVIRONMENTAL POLICY

3 units

Prerequisite: EURO 22

This course begins by surveying the significant environmental issues that have affected Europe as well as the different stands that interest groups have taken in environmental issues. The course then continues by looking at the ways that various actors in Europe, such as the Commission, member state governments and non-state actors contribute to the development policies and tools that deal with the environment, and issues that arise due to policies related to it.

EURO 185.2

SPECIAL TOPICS IN EUROPEAN POLITICS: GEOPOLITICS OF THE EUROPEAN UNION

3 units

This course discusses the links between European geography, writ large, and the troika represented by population, resources, and technology. In particular, it analyzes the ways in which the physical space where the European Union (EU) is located informs its economic, security, and defense policies. It tackles the politico-geographic roots of the EU. It also provides an overview of the issues confronting the EU, such as climate change, human trafficking, transnational crimes, terrorism and water, and energy crises as these affect its interstate relations.

EURO 185.3

SPECIAL TOPICS IN EUROPEAN POLITICS: EU AND THE RISE OF CHINA

3 units

The course primarily examines the dynamics and intricacies of EU and China relations, as China rises, in the Asia Pacific Region and globally. The course specifically looks at the receptiveness of EU of China's increasing political and economic leverage in the developing world i.e. Asia, Africa and even Latin America. The course also examines the basis and strength of EU and China relations in the midst of the mounting challenges of the 21st century vis-à-vis the current world order, climate change, energy re-sourcing, international security, and global governance.

EURO 185.4

SPECIAL TOPICS IN EUROPEAN POLITICS:

EUROPEAN SECURITY AND DEFENSE POLICY AFTER THE LISBON TREATY

3 units

The course discusses the European Security and Defense Policy (ESDP) created by the Lisbon Treaty. It examines the policy and instrument of the EU and its foreign policy in terms of security policy and crisis management.

EURO 185.5

IDEOLOGICAL INFLUENCES ON THE POLITICS OF  
CONTEMPORARY EUROPE AND THE EUROPEAN UNION

3 units

Political ideologies are significant in that they influence the thoughts and actions of many decision-makers in Europe. Ideologies are also what guide one of the most significant political units in Europe: the political party. Whether at the national level or the European level, ideology plays an important role in European governance. This course deals with the ideological roots that guide the actions and statements of political actors in Europe. The course fuses elements from political ideology and parliamentary politics and combines these with present-day developments in European governance.

EURO 185.6

SPECIAL TOPICS IN EUROPEAN STUDIES:

RELIGIOUS DIVERSITY, CONFLICT TRANSFORMATION AND RESOLUTION

3 units

The course introduces the students to the origins of the four major religions in the world; outlining the principal tenets of each religion and analyzing them. Students deal with thorough and analytical case study on the major religious conflicts in modern times exploring the causes and consequences of religious conflict in selected parts of the world and examining possible solutions to the conflict. The course presents a theoretical framework on peace and conflict transformation which forms an evaluation criteria.

EURO 187

SPECIAL TOPICS IN EUROPEAN LAW

3 units

Prerequisite: EURO 22

This course introduces students to particular areas in European Law that are of current importance and relevance, and of general interest.

EURO 187.1

SPECIAL TOPICS IN EUROPEAN LAW: EU-ASEAN HUMAN RIGHTS

3 units

Prerequisite: EURO 22

The course compares the evolution and development of regional human rights mechanisms in ASEAN and the European Union. It provides a general overview of what human rights is all about, and the United Nations (UN) Human Rights Regime in relation to regional human rights mechanisms and bodies. It familiarizes students with theories and praxis of human rights in general, and discusses the importance of human rights

in relations to the current world order. The course also attempts to trace the historical underpinnings behind the proliferation and spread of human rights in EU and ASEAN.

EURO 188

SPECIAL TOPICS IN EUROPEAN HISTORY

3 units

The course introduces students to particular areas in European History that are of current importance and relevance, and of general interest.

EURO 190

SEMINAR ON FUTURE PROSPECTS FOR EUROPE

3 units

Prerequisite: EURO 22

This course is one of the capstone courses for students majoring in AB European Studies. It explores contemporary European issues from various disciplines. The course has two parts. First, students attend a series of colloquia in which experts share their views on political, economic, and socio-cultural concerns in Europe. Second, the course culminates with a conference that is organized by students who are enrolled in the course. Working together with the faculty member in charge, they set the program, arrange for the speakers, and run the event.

EURO 192

RESEARCH METHODS

3 units

Prerequisite: SOCIO 192.1

This course introduces the students to both quantitative and qualitative tools used in research. It discusses different alternative research designs and data gathering methodologies including statistical analysis as applied to research and decision-making, including statistical description, statistical induction and the analysis of statistical relationships. In general, the course aims to develop in the student an appreciation of the logic of social inquiry and skills in the scientific method.

EURO 197

INTEGRATING CLASS

3 units

Prerequisites: EURO 24 and EURO 25

This course enables students to apply the knowledge and skills acquired in the academic setting in either praxis or knowledge-building. It integrates the knowledge learned from the various disciplines of the European Studies Program with either an actual job assignment or an original contribution to the field of business and economics, or international relations as they relate to the field of area studies: Europe.

EURO 199

RESEARCH ON EUROPE

3 units

Prerequisite: EURO 24 and EURO 192

During this course, each student of the European Studies program writes a research paper that synthesizes what they have learned in their undergraduate subjects, and links it with their experience in fieldwork that exposes them to an aspect of Europe in the Philippines. Students spend the semester gathering data, writing and doing an oral presentation in front of selected European Studies faculty members.



# HISTORY

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The Department of History, as part of the School of Social Sciences, aims to produce transformative leaders who will work towards inclusive societal and human development. Through a combination of rigorous research, creative teaching and inclusive service learning, the Department of History hopes to form students who are trained to see themselves as connected to an increasingly global world, yet deeply rooted in our nation and culture.

## BACHELOR OF ARTS IN HISTORY

History is the study of the continuity we share with all human experience, past and present. It also makes available to us a range of options as we deal with our present and with the future. Our students learn not only to understand our present society against the background of the past, but also to analyze how this understanding is itself shaped by changing contexts.

Graduates of AB History can enter the fields of education, research, journalism, heritage conservation, tourism, and politics. A comprehensive grasp of history is also a natural first step for students wishing to enter law school or apply for the Foreign Service.

### *Program Learning Outcomes*

The AB History graduate

- (1) Conducts research by utilizing historical approaches and frameworks, examines and analyzes research material, and generates and presents quality historical writings based on those research;
- (2) Comprehends how narratives are conducted, and are able to see beyond such narratives;
- (3) Understands the historical contexts behind current events and issues, and as a global citizen is familiar with geographical settings, especially within Southeast Asian and Philippine perspectives;
- (4) Incorporates and applies the skills learned from his discipline with that of other fields focused on sustainable development and environmental concerns;
- (5) Internalizes responsibility, involvement and service to the needs of the nation, grounded in Ignatian spirituality.

Graduates of AB History can enter fields of education, research, journalism, heritage conservation, tourism, and politics. A comprehensive grasp of history is also a natural first step for students wishing to enter law school or apply for the Foreign Service.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
SPA 11	Basic Spanish 1 Language and Culture	3	HISTO 21/31	Survey of Asian Civilization/ Survey of Western Civilization	3
HISTO 21/31	Survey of Asian Civilization/ Survey of Western Civilization	3	MATH 10	Mathematics in the Modern World	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)		TOTAL	18(2)
	TOTAL	19(2)			
		<b>SECOND YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>

HISTO 100	Introduction to Historical Studies	3	HISTO 110	Philosophy of History	3
SPA 12	Basic Spanish 2 Language and Culture	3	SPA 13	Intermediate Spanish	3
AREA COURSE 1	Area Course 1	3	PHL HI THEMATIC COURSE 1	Philippine History Thematic Course 1	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings In Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
SPA 14	Advanced Spanish	3	HISTO 192	Historical Methodology	3
AREA COURSE 2	Area Course 2	3	PHL HI THEMATIC COURSE 2	Philippine History Thematic Course 2	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 2	Interdisciplinary Elective 2	3	IE 1	Interdisciplinary Elective 1 – English	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		15(0)
	TOTAL	15(3)			

#### FOURTH YEAR

<u>Interession</u>		<u>Units</u>			
HISTO 197	Practicum	3			
	TOTAL	3(0)			

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
HISTO 199.1	Senior Thesis I	3	HISTO 199.2	Senior Thesis II	3
AREA COURSE 3	Area Course 3	3	ELECTIVE COGNATE 2	Elective Cognate 2	3
ELECTIVE COGNATE 1	Elective Cognate 1	3	PHL HI THEMATIC COURSE 3	Philippine History Thematic Course 3	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
FREE ELECTIVE	Free Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 136(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR IN HISTORY

In keeping with its goal to produce transformative leaders, the Department of History offers a Minor in History for non-majors and Specializations in Political, Legal and Diplomatic History, and Social and Cultural History for History majors.

### *Eligibility Requirement*

The Minor is open to all LS undergraduate students except AB HI majors.

### *Admission Requirements*

HISTO 11	Rizal and the Emergence of the Philippine Nation
HISTO 12	Readings in Philippine History

### *Minimum Grade Requirement*

To be awarded a Minor in History, the student must be able to promptly complete all of his or her History courses with no grade below C.

### *Program Curriculum*

A program leading to a Minor in History requires 15 units in the field of minor study. Students may validate up to six (6) units taken from their regular program of study.

The following courses may be taken as part of the Minor in History program:

HISTO 21	Survey of Asian Civilization	HISTO 122.08	The Ethnic Chinese in Philippine Life
HISTO 31	Survey of Western Civilization	HISTO 124.04	A Survey of Philippine Arts
HISTO 100	Introduction to Historical Studies	HISTO 130.03	History of Island Southeast Asia
HISTO 110	Philosophy of History	HISTO 130.04	History of Mainland Southeast Asia
HISTO 120	Philippine Nationalism	HISTO 130.05	History of China
HISTO 121.03	Philippines at the Spanish Contact: Pre-16th Century Philippines	HISTO 130.06	History of Japan
HISTO 121.04	Spanish Colonial Period	HISTO 130.07	History of Korea
HISTO 121.05	Nationalism and Revolution in the Philippines	HISTO 130.08	History of Modern East Asia
HISTO 121.06	American Colonial Period	HISTO 140.03	History of the United States
HISTO 121.07	Japanese Occupation of the Philippines	HISTO 140.04	Modern and Contemporary Europe
HISTO 121.08	Contemporary Philippine History	HISTO 140.05	History of Spain
HISTO 121.09	Martial Law in the Philippines	HISTO 140.06	Modern History of Latin America
HISTO 121.10	Philippine Legal History	HISTO 144.03	History of Western Art
HISTO 122.03	Economic History of the Philippines	HISTO 144.04	Cultural History of the United States Through Popular Culture
HISTO 122.04	Philippine Social History	HISTO 151.03	Islamic History as Global History
HISTO 122.05	Philippine Local History	HISTO 192	Historical Methodology
HISTO 122.06	Philippine Ethnohistories		
HISTO 122.07	Women and Gender in Philippine History		

And other courses as determined by the Department of History

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

HISTO 21

SURVEY OF ASIAN CIVILIZATION

3 units

This is a survey course on the history of Asian civilizations from ancient times to modernity. The course covers the development of traditional Asian societies and cultures, until the developments from the two World Wars to the modern period.

HISTO 31

SURVEY OF WESTERN CIVILIZATION

3 units

This is a survey course on the history of the West. The course covers ancient Greece and Rome until the end of World War II to the modern period. Although a survey course, it may focus on a particular geographic area, time period, or theme.

HISTO 100

INTRODUCTION TO HISTORICAL STUDIES

3 units

This is a course on the development and practice of the discipline of history. The course looks into history's role in society, the motivations and context involved in its production, the tasks and activities related to its practice, as well as its relevance.

HISTO 110

PHILOSOPHY OF HISTORY

3 units

This is a course on the basic concepts employed in historical interpretation, their implications in relation to philosophy and theology, and a study of the major philosophers of history. The course analyzes the philosophical and theoretical foundations of the discipline of history. It examines the leading historians and their contributions to the development of the discipline. It aims to expose the students to different historical frameworks and their applicability in various historical researches.

HISTO 120

PHILIPPINE NATIONALISM

3 units

This is a course on the history of Philippine nationalism. This course studies the preconditions for the emergence of a Filipino national consciousness in the latter part of the Spanish colonial period and the evolution of a nationalistic ideology from the propaganda movement for colonial reforms until the contemporary period.

HISTO 121

PHILIPPINE POLITICAL HISTORY

3 units

This is a course on the political history of the Philippines. This course introduces students to the methods and interpretations of political historians by examining the interactions between polities and political systems in different chronological periods of Philippine history.

HISTO 121.03

PHILIPPINES AT THE SPANISH CONTACT: PRE-16TH CENTURY PHILIPPINES

3 units

This is a course on the social, economic, political and cultural developments of the communities found in the Philippine archipelago prior to the arrival of the Spaniards in the 16th century.

#### HISTO 121.04

##### SPANISH COLONIAL PERIOD

3 units

This is a course on the history of the Philippines in the Spanish colonial period. Topics include Philippine society at the coming of the Spaniards, the Spanish conquest and the development of colonial institutions, Church-State relations, and the Bourbon reforms.

#### HISTO 121.05

##### NATIONALISM AND REVOLUTION IN THE PHILIPPINES

3 units

This is a course on the development of nationalism in the 19th century, particularly in the Philippine revolution against Spain and the Philippine-American War. The course explores historical manifestation on the indigenous cultural foundations, nineteenth century political and socio-economic transformations, the campaign for reforms or the "Propaganda Movement," and the anti-colonial movement.

#### HISTO 121.06

##### AMERICAN COLONIAL PERIOD

3 units

This is a course on Philippine history during the American Period, from 1898-1946. The course explores and assesses the historiographical debates, methods, and issues in the American colonial period in the Philippines.

#### HISTO 121.07

##### JAPANESE OCCUPATION OF THE PHILIPPINES

3 units

This course studies the Japanese invasion and occupation of the Philippines; the impact of the occupation years on the socio-political, economic, and cultural life of the Filipino; and the similarities in the behavior of the Japanese Army in the occupied countries in Southeast Asia.

#### HISTO 121.08

##### CONTEMPORARY PHILIPPINE HISTORY

3 units

This is a course on Philippine history from the emergence of the independent Philippine Republic in 1946 to contemporary political times. The course covers the issues and challenges faced by the nation from its inception until contemporary times.

#### HISTO 121.09

##### MARTIAL LAW IN THE PHILIPPINES

3 units

This is a course on the Martial Law period in the Philippines, from its origins to how it unfolded and ended. The course studies the context, causes, and consequences of this regime. It examines key personalities, and political and economic issues such as crony capitalism, the CCP-NPA-NDF insurgency, the Muslim secessionist movement, and various activist groups. It also delves into the question of human rights violations, and the role of religion and media. Finally, the course looks at how Martial Law has been remembered over the past decades, and studies the existing narratives and shifting perceptions of its legacy.

#### HISTO 121.10

##### PHILIPPINE LEGAL HISTORY

3 units

This is a course on the history of the Philippine legal system. The course emphasizes multi-disciplinary concepts and models from anthropology, political science, sociology and law. Topics include the Philippine indigenous laws, the Spanish Civil law tradition, the Anglo-American common law tradition and the historical progression of these legal traditions in the emergence of the Filipino nation.

HISTO 122  
PHILIPPINE ECONOMIC AND SOCIAL HISTORY

3 units

This is a course on the economic and social history of the Philippines. This course thematically approaches theoretical and empirical methods in understanding the past by examining economic transformations within a historical context. It also analyzes the interactions between social relations and social force in the history of Philippine society.

HISTO 122.03  
ECONOMIC HISTORY OF THE PHILIPPINES

3 units

This is a course on the history of Philippine economic development. Topics include pre-Hispanic economic structures, the galleon trade, introduction of the hacienda system, 18th century economic reforms, the tobacco monopoly, the introduction of free trade under the Americans, and postwar industrialization.

HISTO 122.04  
PHILIPPINE SOCIAL HISTORY

3 units

This is a course on the various topics of Philippine social history with emphasis on the socio-economic, socio-cultural, religious, ethnographic, and demographic transformations experienced by the country. Topics include nationalist and social movements, gender, and ethnic and religious movements.

HISTO 122.05  
PHILIPPINE LOCAL HISTORY

3 units

This is a course on methods of research and source materials for the study of Philippine Local History. The course may focus on a specific community, locality or region. Sources to be studied include maps, parish records, census data, printed local histories, and oral testimonies.

HISTO 122.06  
PHILIPPINE ETHNOHISTORIES

3 units

This is a course on the history of various indigenous and cultural communities that comprise the totality of the Filipino nation, situating them in the context of the national history of the Philippines. Special attention is given to communities that have often been marginalized among the mainstream Christian communities. The course includes archaeological and anthropological studies on village life, habitat and livelihood, religious beliefs, upland and lowland interactions, and adaptation to outside and/or foreign influences.

HISTO 122.07  
WOMEN AND GENDER IN PHILIPPINE HISTORY

3 units

This is a course on the history of women and gender in the Philippines. This course places women, who have been marginalized in conventional Philippine histories, at the center of our historical inquiry. It explores themes such as religion, indigeneity, colonialism, war and revolution, economics, politics, and culture. It highlights the experiences and struggles of Filipino women, and analyzes how gender and sexuality shape our thinking of Filipino history and social realities.

HISTO 122.08  
THE ETHNIC CHINESE IN PHILIPPINE LIFE

3 units

This is a course on the role of Chinese Filipinos in Philippine history. Topics include the history of Chinese immigration; their role in the Spanish colonial economy and the Philippine revolution, and the period of American occupation; and their influence in education, religion, arts, and business.

HISTO 123.03

DEMOGRAPHIC HISTORY IN THE PHILIPPINES

3 units

This is a course on the relationship with the population patterns of the past and various social, economic, cultural, and political conditions of historical communities. The course introduces the various concepts of demography and population in history, and exposes the students in pursuing research on population history.

HISTO 124

PHILIPPINE ART AND CULTURAL HISTORIES

3 units

This is a course on the history of Philippine arts and culture. This course historically approaches to Philippine arts and culture. It examines the different traditions and dimensions in both artistic and cultural interpretations of historical experience.

HISTO 124.03

CULTURAL HISTORY OF THE PHILIPPINES

3 units

This is a course on the cultural history of the Philippines. The course includes the study of the religion, culture, and intellectual development of the Filipino people, and its effects on the formation of the Philippine nation.

HISTO 124.04

A SURVEY OF PHILIPPINE ARTS

3 units

This is a course on history of Philippine visual arts from the 19th century to the post-war era. The course discusses the anonymous artists of the colonial Spanish period until the mixed media/installation artists from the 1960's to the present.

HISTO 124.05

CULTURAL HERITAGE PRESERVATION IN THE PHILIPPINES

3 units

This is a course on the relationship between history and the conservation of the built environment. The course focuses on such themes as history and heritage, historical development and the transformation of landscapes, and the interpretation of history.

HISTO 125

HISTORY OF SCIENCE AND ENVIRONMENT IN THE PHILIPPINES

3 units

This is a course on the history of science and the environment in the Philippines. This course examines the role of science and technology to both the natural and human environment. It covers the development of scientific paradigms, and the shaping of the reciprocal relationship between the natural environment and human societies in the Philippines.

HISTO 125.03

PHILIPPINE HISTORICAL GEOGRAPHY

3 units

This is a course on the changing historical patterns of human activity on the Philippine physical environment. The course examines how Filipinos constructed the world in which they lived and it presents the Philippine landscape as material manifestation of the historical mind that created it and endowed it with meaning.

HISTO 126

HISTORY OF RELIGION IN THE PHILIPPINES

3 units



This is a course on the history of religion in the Philippines. This course examines the role of religious beliefs, practices and traditions in the shaping of the past in Philippine society.

HISTO 126.03

HISTORY OF THE CHURCH IN THE PHILIPPINES

3 units

This is a course on the history of the Roman Catholic Church in the Philippines. The course studies the religious basis of Spanish colonization, evangelization of the Philippines, the development of a Filipino clergy, the Church and the Revolution, the Filipinization of the Church and the role of the Church as a stakeholder in Philippine society.

HISTO 126.04

THE JESUITS IN THE PHILIPPINES

3 units

This is a course on the history of the Society of Jesus in the Philippines, with a particular focus on the return of the Jesuits in 1859 to the role of the Philippine province in the shaping of Philippine society in the 20th century.

HISTO 127

HISTORY OF MEDICINE AND PUBLIC HEALTH IN THE PHILIPPINES

3 units

This is a course on the history of medicine and public health. This course examines the aspects of health, illness, disease, and medicine in the past. It also examines the history of medical knowledge and practices and the interactions of components of health systems in Philippine history

HISTO 128

HISTORY OF THE PHILIPPINE INTERNATIONAL AND DIPLOMATIC AFFAIRS

3 units

This is a course on the history of Philippine Foreign Policy. The course focuses on domestic and international drivers of foreign policy. It utilizes the standpoint of different presidencies and other key diplomatic actors and examines the evolving relationships between the Philippines and its historical and emerging partners.

HISTO 129

SPECIAL TOPICS IN PHILIPPINE HISTORY

3 units

This is a course on advanced topics in Philippine history based on current relevance, student interest, and faculty availability.

HISTO 129.06

SPECIAL TOPICS IN PHILIPPINE HISTORY: MINDANAO HISTORY

3 units

This is a special course on the history of Mindanao. Focus is on the religious, economic, political, social, and cultural development of the region. The course combines directed readings, research, as well as paper presentations.

HISTO 130

ASIA BY COUNTRY AND REGION

3 units

This is a course on Asia through its geopolitical divisions. This course provides a historical survey of Asia by country and geopolitical regions.

HISTO 130.03

HISTORY OF ISLAND SOUTHEAST ASIA

3 units

This is a survey course on the histories of Island Southeast Asian countries (Brunei, Indonesia, Malaysia, the Philippines, and Singapore) from its beginnings up to the modern period. The course examines the role of Indian and Chinese cultural influences and trade relations as well as the introduction of Islam and Western influences through the colonial period. It also analyzes relations among these states in contemporary times.

#### HISTO 130.04

##### HISTORY OF MAINLAND SOUTHEAST ASIA

3 units

This is a survey course on the histories of Mainland Southeast Asian countries (Cambodia, Laos, Myanmar, Thailand, and Vietnam) from their early beginnings until the modern period. The course examines the establishment of the Southeast Asian classical states, Western colonization, nationalism, independence, and socio-political upheavals in the region. It also analyzes the contemporary developments in the region especially in view of the formation of ASEAN which underlies the relations among the various countries of Southeast Asia.

#### HISTO 130.05

##### HISTORY OF CHINA

3 units

This is a course on the history of China from ancient times up to the modern period. The course examines traditional China, the coming of the Western world, the establishment of Western hegemony, the Chinese revolutions, and the establishment of the People's Republic of China.

#### HISTO 130.06

##### HISTORY OF JAPAN

3 units

This is a course on the history of Japan from ancient times up to the modern period. The course examines the establishment of clan units in the archipelago, the imperial system, the shogunate, the modernization program, Japan's role in World War II, and the archipelago in the post-war period.

#### HISTO 130.07

##### HISTORY OF KOREA

3 units

This is a course on the history of the Korean peninsula from its early beginnings to the modern period. Topics include the establishment of the Three Kingdoms, Chinese and Japanese hegemony in the peninsula, the creation of North and South Korea, and current developments.

#### HISTO 130.08

##### HISTORY OF MODERN EAST ASIA

3 units

This is a survey course on the modern historical developments in East Asia, specifically in China, Japan, and Korea, from the 16th century to contemporary times. This course examines the cultural, political, and economic relations in the region as well as challenges posed by Western powers. It ends with major development in the 20th century leading to the rise of East Asia as a key player in the globalized world.

#### HISTO 131

##### ASIAN POLITICAL HISTORY

3 units

This is a course on the political history of Asia. This course introduces students to the methods and interpretations of political historians by examining the interactions between polities, political systems, and civilizations in different chronological periods throughout Asian history.

#### HISTO 131.03

##### ASIA BEFORE THE AGE OF ENCOUNTER

3 units

This is a survey course on the civilizations of East Asia, South Asia, and Southeast Asia. This course covers Asia from ancient times until the Age of Encounter. Focus is on the development of the traditional societies and cultures of these regions and the rise of various kingdoms up to the eve of Western colonization.

HISTO 131.04

ASIA IN THE MODERN WORLD

3 units

The course covers significant landmark events in Asia since the Age of Encounter. The course focuses on the mutual exchanges and development of technology, political ideas, cultural influences, and economic dynamics between Asia and European nations, leading up to the emergence of various Asian modernities.

HISTO 131.05

CONSTRUCTING NATIONHOOD IN SOUTHEAST ASIA

3 units

This is a course on the history of Southeast Asia, particularly the emergence of a modern sense of identity from its genesis in the early modern period until the purposeful construction of modern cultures in the late twentieth century.

HISTO 131.09

CLASSICAL SOUTHEAST ASIAN POLITICS

3 units

This is an exploration of the history of colonial encounters between Southeast Asians and Europeans from the 16th to the 19th centuries. This course examines the cultures and political systems of the region's indigenous societies and how these persisted despite, or were transformed through, interactions with European states.

HISTO 132

ASIAN ECONOMIC AND SOCIAL HISTORY

3 units

This is a course on the economic and social history of Asia. This course is a thematic approach into studying theoretical and empirical methods in understanding the past by examining economic transformations within a historical context as well as analyzing the interactions between social relations and social force in the histories of Asian societies.

HISTO 133

DEMOGRAPHIC HISTORY IN ASIA

3 units

This is a course on the demographic history of Asia. This course examines the relationship with the population patterns of the past and various social, economic, cultural, and political conditions of historical communities in Asia.

HISTO 134

ASIAN ART AND CULTURAL HISTORIES

3 units

This is a course on history of Asian art and culture. This course is a study of historical approaches to arts and culture in Asia. It examines the different traditions and dimensions in both artistic and cultural interpretations of historical experience.

HISTO 134.03

HISTORY OF ASIAN ART

3 units

This is a course on the history of Asian Art. The course surveys visual arts produced by Asian cultures and societies from the ancient to the modern period. It provides an overview of the contexts that influenced the understanding of art. The course examines major art movements that emerged, important artists, and key

works that are representative of Asian visual art.

HISTO 135  
HISTORY OF SCIENCE AND ENVIRONMENT IN ASIA  
3 units

This is a course on the history of science and technology in Asia. This course examines the role of science and technology to both natural and human environment. It covers the development of scientific paradigms and the shaping of the reciprocal relationship between natural environment and human societies throughout Asia.

HISTO 135.03  
HISTORY OF ENVIRONMENTAL PRACTICE IN SOUTHEAST ASIA  
3 units

This is a course on the history of Southeast Asia utilizing an environment-centered approach. The course explores the interrelationship between society, its intellectual and material development, and the physical environment. It uses multidisciplinary concepts and models from anthropology, ecology, and political science along with natural and life sciences to explain these historical experiences.

HISTO 136  
HISTORY OF RELIGION IN ASIA  
3 units

This is a course on the history of religions in Asia. This course examines the role of religious beliefs, practices and traditions in the shaping of the past throughout Asian societies.

HISTO 137  
HISTORY OF MEDICINE AND PUBLIC HEALTH IN ASIA  
3 units

This is a course on the history of medicine and public health in Asia. This course examines the aspects of health, illness, disease, and medicine in the past. It examines the history of medical knowledge and practices and the interactions of components of health systems within Asian societies.

HISTO 138  
HISTORY OF ASIAN INTERNATIONAL AND DIPLOMATIC AFFAIRS  
3 units

This is a course on the history of international and diplomatic affairs in Asia. This course traces the development of international interactions and diplomacy machinery in Asia. It examines the foreign policy perspectives of different state actors across the history of Asia.

HISTO 139  
SPECIAL TOPICS IN ASIAN HISTORY  
3 units

This is a course on advanced topics in Asian history based on current relevance, student interest, and faculty availability.

HISTO 140  
THE WESTERN WORLD BY COUNTRY AND REGIONS  
3 units

This is a course on the Western world through its geopolitical divisions. This course provides a historical survey of the West by country and geopolitical regions.

HISTO 140.03  
HISTORY OF THE UNITED STATES  
3 units

This is a survey course on the history of the United States. The course examines the native American nations, the settling of the continent by European migrants and the movement into the Western frontier. It also analyzes the War of Independence, the Civil War, involvement in the Second World War, and its political, social, and economic consequences for the nation. It also investigates the emergence of the United States as a dominant world power in the 20th century.

#### HISTO 140.04

##### MODERN AND CONTEMPORARY EUROPE

3 units

The course covers the period from the Industrial Revolution to the major developments of contemporary Europe. It looks at important landmark events that resulted in the rise of Europe as a major force in the history of humankind, from the Industrial Revolution, the Reformation, and Counter-Reformation, the Enlightenment, and Scientific Revolution, the ideologies and economic systems of capitalism and socialism, colonialism and imperialism, nationalism, fascism, the two World Wars, postwar recovery, and the Cold War. It considers how contemporary Europe continues evolving, especially in the light of the end of the Cold War and the changes in the European Union.

#### HISTO 140.05

##### HISTORY OF SPAIN

3 units

This is a course on the history of Spain. This course covers the prehistoric times to the post-Franco era, focusing on the formation of the Spanish nation and its continuing political, economic and cultural challenges.

#### HISTO 140.06

##### MODERN HISTORY OF LATIN AMERICA

3 units

This is a survey course on the history of the Latin American states from the wars of independence to the present. The course examines the political, economic, cultural, and social aspects of these Latin American states.

#### HISTO 141

##### WESTERN POLITICAL HISTORY

3 units

This is a course on the political history of the Western world. This course introduces students to the methods and interpretations of political historians by examining the interactions between polities, political systems, and civilizations in different chronological periods throughout Western history.

#### HISTO 141.03

##### ANCIENT WESTERN CIVILIZATION

3 units

This is a course on the history of Ancient Western civilization. The course discusses the civilizations of ancient Greece and Rome. Topics on ancient Greece may include the Bronze Age, Minoan-Mycenaean civilization, Hellenic civilization and the Classical Age to Alexander the Great, and the Hellenistic World. Topics on ancient Rome focus on the Republic, the Empire, and the Roman Army.

#### HISTO 141.07

##### MEDIEVAL CIVILIZATION

3 units

This is a survey course on European history during the Early Middle Ages (300-900 AD) and High Middle Ages (900-1300 AD). Topics include the interaction of the major forces forming Western European civilization: the classical tradition, Christian religion, Germanic society, and the rise of the Carolingian empire.

HISTO 142

WESTERN ECONOMIC AND SOCIAL HISTORY

3 units

This is a survey course on European history during the Early Middle Ages (300-900 AD) and High Middle Ages (900-1300 AD). Topics include the interaction of the major forces forming Western European civilization: the classical tradition, Christian religion, Germanic society, and the rise of the Carolingian empire.

HISTO 143

WESTERN DEMOGRAPHIC HISTORY

3 units

This is a course on the demographic history of the Western world. This course examines the relationship with the population patterns of the past and various social, economic, cultural, and political conditions of Western historical communities.

HISTO 144

WESTERN ART AND CULTURAL HISTORIES

3 units

This is a course on the history of the Western arts and culture. This course is a study of historical approaches to Western arts and culture and examines the different traditions and dimensions in both artistic and cultural interpretations of historical experience.

HISTO 144.03

HISTORY OF WESTERN ART

3 units

This is a survey course on the history of the visual arts produced by European cultures and societies from the ancient to the modern period. The course provides an overview of the contexts that influenced the understanding of art. It examines major art movements that emerged, important artists, and key works that comprise the canon of Western visual art. It also examines the artistic developments in the United States during the 20th century as a counterpoint to the European traditions.

HISTO 144.04

CULTURAL HISTORY OF THE UNITED STATES THROUGH POPULAR CULTURE

3 units

The course surveys various forms of popular culture that shaped and defined the American identity during the 20th century and beyond. Explorations into popular American innovations in the areas of religion, music, dance, visual arts, film, radio, television, fashion, sports, and culinary culture are undertaken. Through the study of these popular expressions, this course aims to present a more critical and nuanced understanding and appreciation of the complexities and idiosyncrasies that lies within the heart of American character during this critical century in American history.

HISTO 145

HISTORY OF WESTERN SCIENCE AND ENVIRONMENT

3 units

This is a course on the history of the Western science and environment. This course examines the role of science and technology to both natural and human environment, and surveys the development of scientific paradigms and the shaping of the reciprocal relationship between natural environment and human societies throughout the Western world.

HISTO 146

HISTORY OF WESTERN RELIGIONS

3 units

This is a course on the history of the Western religions. This course examines the role of Western religious beliefs, practices and traditions in the shaping of the past throughout human societies.

HISTO 147

HISTORY OF WESTERN MEDICINE AND PUBLIC HEALTH

3 units

This is a course on the history of the Western medicine and public health. This course examines the aspects of health, illness, disease, and medicine in the past. It examines the history of Western medical knowledge and practices and the interactions of components of health systems within Western societies.

HISTO 148

HISTORY OF WESTERN INTERNATIONAL AND DIPLOMATIC AFFAIRS

3 units

This is a course on the history of the international and diplomatic affairs in the Western world. This course traces the development of international interactions and foreign policy perspectives of different state actors across history while examining the role of diplomacy machinery throughout the Western societies.

HISTO 149

SPECIAL TOPICS IN WESTERN HISTORY

3 units

This is a survey course on the history of the visual arts produced by European cultures and societies from the ancient to the modern period. The course provides an overview of the contexts that influenced the understanding of art. It examines major art movements that emerged, important artists, and key works that comprise the canon of Western visual art. It also examines the artistic developments in the United States during the 20th century as a counterpoint to the European traditions.

HISTO 150

GLOBAL HISTORY

3 units

This is a course on global history which investigates institutions, environment, and realities of humankind as a whole. The course analyzes the patterns of life, cultural traditions, and institutional connections between different civilizations and societies. It includes theoretical approaches to global history, global transformations, and the processes and systems that connect nations and polities.

HISTO 150.03

THE NEW WORLD ORDER: COLD WAR AND CONTEMPORARY HISTORY

3 units

This is a course on the contemporary history of the new world order. This course covers the history of the Cold War from 1945-1991. It begins with the end of the Second World War and concludes with the collapse of the Soviet Union.

HISTO 151

HISTORY OF RELIGIONS IN THE WORLD

3 units

This is a course on the history of world religions. This course examines the role of religious beliefs, practices and traditions in the shaping of the past in the globalized world.

HISTO 151.03

ISLAMIC HISTORY AS GLOBAL HISTORY

3 units

This is a course on Islamic history as a global history. The course surveys the primary concepts and principles that define the Islamic faith. It examines the historical concept of the development of the Islamic world and its relevance in the globalized world.

HISTO 152

MILITARY HISTORY IN THE WORLD

3 units

This is a course on the military history of the world. This course traces the development of military cultures across the globe using thematic and/or chronological approaches in exploring the evolution of warfare and

military theory.

HISTO 152.03

SECOND WORLD WAR

3 units

This is a course on the military history of the Second World War from 1939 to 1945. The course begins with the different causes, factors and aspects that led the conflict. It also analyzes the effects and legacy of the war and the way it is perceived by different nations in the region.

HISTO 159

SPECIAL TOPICS IN GLOBAL HISTORY

3 units

This is a course on advanced topics in global history based on current relevance, student interest, and faculty availability.

HISTO 190

SEMINAR COURSES

3 units

These are courses taught through seminars.

HISTO 192

HISTORICAL METHODOLOGY

3 units

This is a course on historical methodology as a tool for research. The course exposes the student to the different sources of historical information that could be used in writing history, including written accounts, works of art, oral history, and other human constructs that could help historians reconstruct past events. It sharpens the student's skills in evaluating historical sources, using different styles of historical writing, and practicing proper documentation and citation.

HISTO 197

PRACTICUM

3 units

Prerequisite: HISTO 192

This is a practicum course that deepens the student's understanding and application of the research skills needed to gather pertinent primary and secondary sources on a historical problem or issue, make a critical review of these source materials, and experience the practical application of historical studies.

HISTO 199.1

SENIOR THESIS I

3 units

Prerequisite: HISTO 192

This is a preparatory course on the senior thesis. The course prepares the student for writing a major historical thesis. It provides the student with direction and the skills needed to conduct research on an approved topic.

HISTO 199.2

SENIOR THESIS II

3 units

Prerequisite: HISTO 199.1

This is a preparatory course on the senior thesis. The course prepares the student for writing a major historical thesis. It provides the students with direction and the skills needed to conduct research on an approved topic.



# JAPANESE STUDIES

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Established in 1966, the Japanese Studies Program is the first Japanese Studies Program in Southeast Asia. Initially, it was the University's response to the felt need to deepen understanding of Japan with which the Philippines has had long historical ties. As bilateral relations developed, the program has sought to expand mutual understanding. Today, the Philippines and Japan endeavor to locate themselves in the milieu of globalization, and the Japanese Studies Program carries on the tradition of contributing to a scholarly approach to the problems and issues concomitant with world development.

The Program offers a Minor in Japanese Studies for the undergraduate level. With its language and Japan-related courses open to degree and non-degree students from different disciplines, the Japanese Studies Program aims to develop graduates who have a global outlook, imbued with a keen understanding and appreciation of one's own culture and of others'; especially those with which one's culture interfaces. Students who go through the courses of the Japanese Studies Program are expected to be highly competitive, uniquely advantaged, and relevant in work areas of diplomacy, trade and management, research and training.

## MINOR IN JAPANESE STUDIES

With its language and Japan-related courses open to degree students from different disciplines, the Japanese Studies Program aims to develop graduates who have a global outlook, imbued with a keen understanding and appreciation of his/her own culture and of others, especially those with which his/her culture interfaces. Students who go through the courses of the Japanese Studies program are expected to be highly competitive, uniquely advantaged, and relevant in work areas of diplomacy, trade and management, research and teaching, development studies, economics, and politics.

### *Eligibility Requirement*

The Minor in Japanese Studies is open to all undergraduate students of the Loyola Schools.

### *Admission Requirements*

To be admitted into the Minor Program, the student must at least be a Sophomore at the time of application. Graduating Seniors who wish to be admitted into the Program must apply in the first semester of their senior year.

Students applying for Minor in Japanese Studies must submit the following:

1. Form for Change of Degree Program or Application for Minor/Specialization - downloadable from the student's AISISONLINE account. Students who fail to submit this form will not have their minors/specializations appear on their official records.
2. Minor in Japanese Studies Program of Study
3. JSP Minor Student's Information Sheet.

### *Minimum Grade Requirement*

All courses taken towards the Minor in Japanese Studies should have at least the grade of C to be credited.

### *Program Curriculum*

#### Required Course (3 units)

JPN 11 Japanese Language and Culture 1

#### Japan-related Courses (12 units; choose four)

JPN 12	Japanese Language and Culture 2 (Prerequisite: JPN 11)	JPN 140	Philippines-Japan Relations
JPN 13	Japanese Language and Culture 3 (Prerequisite: JPN 12)	JPN 141	Government and Politics of Japan
JPN 14	Intermediate Japanese 1 (Prerequisite: JPN 13)	JPN 142	Japan and ASEAN
JPN 15	Intermediate Japanese 2 (Prerequisite: JPN 14)	JPN 150	Economic Planning
JPN 16	Intermediate Japanese 3 (Prerequisite: JPN 14)	JPN 151	Japanese Business Management and Labor
JPN 120	Japanese Culture 1	JPN 170	Education in Japan
		JPN 180.21	Special Topic: Gender in Japan
		JPN 180.22	Special Topic: Japanese Food Culture
		JPN 180.31	Special Topic: Introduction to Japanese History

JPN 122	Comparative Cultures: Philippines and Japan	JPN 180.61	Special Topic: Japanese Folklore
JPN 123	The Japanese in the Philippines	JPN 180.62	Special Topic: Japanese Music
JPN 124	Continuity and Change in Japanese Society	JPN 180.63	Special Topic: Japanese Literature
JPN 125	Intellectuals and Society in Japan	JPN 180.64	Special Topic: Japanese Arts
JPN 126	Japanese Contemporary Issues	JPN 180.65	Special Topic: Japanese Films
JPN 128	Fieldwork in Japan	JPN 180.66	Special Topic: Religion in Modern Japan
JPN 130	History of Japan	JPN 180.67	Special Topic: Japanese Performing Arts
JPN 131	History of Japan's Foreign Relations	JPN 180.68	Special Topic: Modern Japanese Philosophy
JPN 132	Economic History of Modern Japan	HISTO 21	Survey of Asian Civilization
JPN 133	Modernization of Japan	KOR 121	Contemporary Korea-Japan Relations

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

JPN 11

JAPANESE LANGUAGE AND CULTURE 1

3 units

This course is for beginners in the study of Japanese language. It is designed to equip students with the beginning of elementary proficiency. At the end of the course, students are able to recognize and write hiragana and katakana and speak simple sentences.

JPN 12

JAPANESE LANGUAGE AND CULTURE 2

3 units

Prerequisite: JPN 11

In this course of elementary Japanese, students develop sufficient comprehension beyond memorized proficiency to understand statements about simple ideas in areas of immediate need or on familiar topics. Students will have the ability to maintain simple conversations within the scope of their limited language experience.

JPN 13

JAPANESE LANGUAGE AND CULTURE 3

3 units

Prerequisite: JPN 12

This course aims to bring students to the latter half of the elementary-level study of Japanese language through a review and reinforcement of previous knowledge acquired from JSP 1 and JSP 2. Students who finish this course can take the Japanese Language Proficiency Test N5.

JPN 14

INTERMEDIATE JAPANESE 1

3 units

Prerequisite: JPN 13

This course is a bridge between elementary and intermediate level. The course develops the ability of students to get some main ideas and locate information of relevant significance in more complex text as well as TV, and make conjecture at unfamiliar vocabulary if highly contextualized.

JPN 15

INTERMEDIATE JAPANESE 2

3 units

Prerequisite: JPN 14

This course prepares students to be independent language users, acquire the ability to produce simple connected text on topics which are of personal interest, and give reasons and explanations for opinions and plans. Students finishing this course can take the Japanese Language Proficiency Test N4.

JPN 16

INTERMEDIATE JAPANESE 3

3 units

Prerequisite: JPN 15

This course deals with intermediate-level Japanese, and equips students with limited but real-world language competence; developing flexibility evident in understanding a range of circumstances beyond immediate survival needs. They also get the gist of most conversations on non-technical subjects, and obtain a broader reading vocabulary.

JPN 120

JAPANESE CULTURE 1

3 units

This course is an introductory survey of Japan, its history, culture, and people. This course covers the physical, social, economic, political, and cultural aspects of Japan and is required for those who plan to pursue in-depth training in Japanese or East Asian Studies.

JPN 122

COMPARATIVE CULTURES:PHILIPPINES AND JAPAN

3 units

This course provides a multidisciplinary description and analysis of the cultures, societies, economics, and politics of the Philippines and Japan, Asian countries that are geographically close, whose histories have been intertwined since ancient times, and whose cultures offer interesting areas of contrast and similarities.

JPN 123

THE JAPANESE IN THE PHILIPPINES

3 units

This course is a historical description and analysis of Japanese migration to the Philippines: the reasons for migration, their life in the Philippines, their views of Philippine development, and their impact on Philippine life, culture, and economy.

JPN 124

CONTINUITY AND CHANGE IN JAPANESE SOCIETY

3 units

This course is an analysis of the values and major institutions of Japanese society and their historical background and structure. Value and institutional changes, trends, and continuities are also taken up.

JPN 125

INTELLECTUALS AND SOCIETY IN JAPAN

3 units

This course introduces the major philosophies that have evolved in Japanese society from the traditional to the modern period. The course surveys concepts of man, state, and society; with emphasis on how conditions in society affected the evolution of these ideas and vice-versa.

JPN 126

JAPAN: CONTEMPORARY ISSUES

3 units

This course is a discussion on contemporary issues in Japan's domestic economy and international economic issues involving Japan.

JPN 128

FIELDWORK IN JAPAN

3 units

This is a discourse on the historical and cultural presence in images of Japan through its parks, monuments, buildings, and statuary. The 15-day fieldwork takes place in the Tokyo and Kamakura area.

JPN 130

HISTORY OF JAPAN

3 units

This course is a survey of Japanese civilization, particularly the formation of its traditional culture before the coming of the West.

JPN 131

HISTORY OF JAPAN'S FOREIGN RELATIONS

3 units

This course is a historical approach to the study of Japan's state-centered foreign relations, the interests pursued by the Japanese state within these relations, and the domestic and international processes that shape these interests and relations.

JPN 132

ECONOMIC HISTORY OF MODERN JAPAN

3 units

This course is a study of the economic growth of Japan in a span of a century from the Meiji Restoration to contemporary times, with emphasis on Japanese contemporary economic policy. Students gain a perspective on patterns of change or continuity in Japan's economic history.

JPN 133

MODERNIZATION OF JAPAN

3 units

This course is an analysis of the process of modernization as experienced by Japan, including developments during the Tokugawa and Meiji periods: nationalism and militarism, post war recovery, and reorientation.

JPN 140

PHILIPPINE-JAPAN RELATIONS

3 units

This course is a survey of Philippine-Japan relations from pre-colonial times to the end of World War II, including current issues in Philippine-Japan relations.

JPN 141

GOVERNMENT AND POLITICS OF JAPAN

3 units

This course is an introduction to the internal workings of the Japanese government and electoral system and their interrelationships. The course links these systems in a functionalist way to non-state groups with interests in influencing state politics in defined areas.

JPN 142

JAPAN AND ASEAN

3 units

This course focuses on Japan as a dialogue partner of ASEAN. It examines its foreign relations with Southeast Asia and its impact on its relations with Northeast Asia, and vice versa.

JPN 150

ECONOMIC PLANNING

3 units

This course is a study of operations, research, and linear programming for economic planning, with case studies on Philippine and Japanese economies.

JPN 151

JAPANESE BUSINESS MANAGEMENT AND LABOR

3 units

This course is a study of the Japanese business environment, with an analysis of the various aspects of Japanese corporations – organization, production and quality control, marketing, information technology, finance, and human resource management.

JPN 170

EDUCATION IN JAPAN

3 units

This course studies the education system and the development of modern schooling in Japan. Topics include the characteristics of various stages of education in a Japanese person's life – the writing system and language, home education, basic education, supplementary education, higher education, and further training.

JPN 180

SPECIAL TOPICS IN JAPANESE STUDIES

3 units

This course is a study of selected, advanced topics in Japanese Studies offered for its immediate relevance to current issues, availability of professors with extraordinary expertise on the topic, intense interest expressed by a group of students, or need for a structured class to undertake or test a particular research subject.

JPN 180.21

SPECIAL TOPIC: GENDER IN JAPAN

3 units

This course is an introduction to gender studies, providing Japan as a case study. It investigates forms of ideology, modes of living and cultural practices related to gender. At the end of the course, students are expected to discuss the lived experiences and the construct of gender in history and society of Japan, and clarify the current arguments on gender.

JPN 180.22

JAPANESE FOOD CULTURE

3 units

This course exposes students to aspects of Japanese food such as procurement, production, processing, distribution, consumption, and waste and recycling. The discussion includes the scrutiny of Japanese food in the areas of politics, economy and culture. It may employ the historical approach, the gastronomic analysis, as well as approaches in the cultural studies.

JPN 180.31

SPECIAL TOPIC: INTRODUCTION TO JAPANESE HISTORY

3 units

The course aims to give a general introduction of the history of Japan starting from prehistoric times to the post war period. The approach is done thematically as opposed to a strictly chronological study of Japan's history. Focus is also given to socio-cultural patterns that developed throughout the centuries.

JPN 180.61

SPECIAL TOPIC: JAPANESE FOLKLORE

3 units

This course is an introduction to the development of a conceptual framework for Japanese folkloristics that views folklore not as an isolated fixed text, but as a dynamic, contextual process of communication.

JPN 180.62

SPECIAL TOPIC: JAPANESE MUSIC

3 units

This course is an introduction to Japanese music and its historical, aesthetic, theoretical, technical, and social aspects, including an introduction to the basic theory and methodology of ethnomusicology.

JPN 180.63

SPECIAL TOPIC: JAPANESE LITERATURE

3 units

This course is an introduction to the social and historical background of Japanese literature, Japanese worldview, and language and writing system. Topics include the role of literature in Japanese society and a survey of traditional to modern Japanese literature.

JPN 180.64

SPECIAL TOPIC: JAPANESE ARTS

3 units

This course is an introduction to the development of Japanese arts and its stylistic evolution, with emphasis on the importance of the interrelationship between the development of art and societal factors, such as geographic/climatic, political, socio-economic, and religious/spiritual.

JPN 180.65

SPECIAL TOPIC: JAPANESE FILMS

3 units

This course is a study of Japanese films as alternative texts for understanding and analyzing Japanese concepts such as kinship, honor, loyalty, and obligation.

JPN 180.66

SPECIAL TOPIC: RELIGION IN MODERN JAPAN

3 units

This course is an introduction to the major religious organizations in Japan, including their historical and philosophical development, and their influence on society. Emphasis is on the state of these organizations in the modern period.

JPN 180.67

SPECIAL TOPIC: JAPANESE PERFORMING ARTS

3 units

This course is a survey of Japanese performing art forms that includes the categories of folk (*minzoku*), traditional (*dento*), classical or court (*koten*), modern (*kindai* or *modan*), contemporary (*gendai* or *kontenporari*), avant-garde, and post-modern.

JPN 180.68

SPECIAL TOPIC: MODERN JAPANESE PHILOSOPHY

3 units

This course is an in-depth exploration of modern Japanese philosophy, primarily dealing with thinkers from the Meiji period onward. This course shows how Japanese thought was transformed and became self-aware in its encounter with Western philosophy.

# KOREAN STUDIES

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(63 2) 8426 6001 local 5245  
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The Korean Studies Program seeks to be an interdisciplinary hub for studying, engaging and experiencing Korea in Philippine academia. It is committed to work towards the advancement of scholarly and interdisciplinary approach to the study of Korea. Through research and active development of Korea-related courses and programs both for students and educators, the Korean Studies Program endeavors to promote the critical study of Korea and contribute to the strengthening of Philippines-Korea relations.



## MINOR IN KOREAN STUDIES

Imbued with a critical and interdisciplinary approach to the study of Korea, the Minor intends to assist students attain the following learning outcomes:

1. Acquire knowledge and critical understanding of Korea, its role in the region and relations with the Philippines;
2. Develop basic conversational skills in Korean;
3. Appreciate different aspects of Korean culture while identifying similarities with Filipino culture;
4. Experience actual Filipino-Korean cultural exchange; and
5. Realize the relevance of studying Korea to one's academic field and future career.

### *Minimum Grade Requirement*

To be awarded a Minor, students must pass all the courses included in the Program of Study with a minimum program QPI of 2.5.

### *Program Curriculum*

The program requires students to complete 15 units of Korea-related courses, 9 units of which must be outside the Loyola Schools core curriculum and the curriculum of their major.

#### At least two (2) Korean language courses (6 units)\*

KRN 11	Basic Korean 1 Language and Culture
KRN 12	Basic Korean 2 Language and Culture
KRN 13	Korean Language and Culture 3
KRN 14	Korean Language and Culture 4
KRN 15	Korean Language and Culture 5

\* For DIP-IR majors who chose Korean Language as their FLC, only KRN 11 and KRN 12 (not KRN 13 and KRN 14) may be credited towards a Minor.

#### At least three (3) Korean Studies electives (9 units)

KOR 20	Summer Study Tour to Korea
KOR 111	Introduction to Korean Culture and Nationalism
KOR 113	Korean Popular Culture
KOR 121	Contemporary Korea-Japan Relations
COMM 63.06	Film Seminar: Korean Cinema
COMM 183.09	Special Topics in Culture and Communication: The Korean Wave
ECON 185.70	Special Topics in Economics: South Korean Economic Development
HISTO 130.07	History of Korea
POLSC 130.30	Korea-ASEAN Relations
ENLIT 111.40	Asian Literature III: Modern South Korean Literature in Translation

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

KOR 20

SUMMER STUDY TOUR TO KOREA

3 units

This three to four week tour of Korea is designed to immerse and expose students to the language and culture of Korea. While in Korea, students enroll in an intensive language and culture course in a reputable language school to have a deeper appreciation and understanding of both language and culture at the same time that they live with Korean families. As a complementary module to language, they are introduced to, and participate in, cultural activities.

KOR 111

INTRODUCTION TO KOREAN CULTURE AND NATIONALISM

3 units

The course introduces the students to Korean culture and history with particular attention to Korean nationalism and identity. Course discussions include theoretical examination and categories of nationalism, nationalist movements and civil society in colonial and modern Korea, globalization and modernity, and the emergence of feminist nationalism. At the end of the course, the students are expected to understand how nationalism evolves and shapes Korean society and its similarities and differences in the Philippine context.

KOR 112

KOREAN CULTURAL HERITAGE

3 units

This course serves as an introduction to the UNESCO World Heritage Sites in Korea. The course guides students towards understanding Korea's history, government, architecture, religion, culture, and politics. This course allows students to compare the cultural heritages of Korea and the Philippines and to suggest ways to effectively protect and promote their own culture and history.

KOR 113

KOREAN POPULAR CULTURE

3 units

This course taught in English gives a general survey of Korean culture. Developments are examined through the multiple influences of history, art, literature, music, film, and food.

KOR 121

CONTEMPORARY KOREA-JAPAN RELATIONS

3 units

The course aims to give an introductory survey of Korea-Japan relations, with special reference to the post-1945 period. Course discussions include the two countries' political culture, foreign policy decision-making and socio-economic background. At the end of the course, students are expected to identify the implications of Korea-Japan relations to the Philippines in light of their respective foreign policies.

KRN 11

BASIC KOREAN 1 LANGUAGE AND CULTURE

3 units

This course teaches students communicative competence in Korean in practical situations and introduces them to Korean life and culture.

KRN 12

BASIC KOREAN 2 LANGUAGE AND CULTURE

3 units

Prerequisite: KRN 11

This course reviews the communicative skills and grammar learned in Korean 1 and continues to advanced basic grammar and functional use of the language.

KRN 13  
KOREAN LANGUAGE AND CULTURE 3  
3 units

Prerequisite: KRN 12

This course focuses on vocabulary expansion and refinement of speech and written compositions through the study of more complex grammar structures. The course also introduces the students to Korean proverbs and folktales.

KRN 14  
KOREAN LANGUAGE AND CULTURE 4  
3 units

Prerequisite: KRN 13

The course introduces students to low-intermediate Korean grammar and vocabulary covered by TOPIK (Test of Proficiency in Korean) I (Level 2). It also exposes students to other aspects of Korean culture. It begins with a review of Korean 1, 2 and 3.

KRN 15  
KOREAN LANGUAGE AND CULTURE 5  
3 units

Prerequisite: KRN 14

This course is a continuation of KRN 14. The course introduces students to high-intermediate Korean grammar and vocabulary covered by TOPIK (Test of Proficiency in Korean) I, which is equivalent to Level 3 based on Korean standards. It also exposes students to diverse aspects of Korean culture. It includes lessons on basic Korean business terms and begins with a review of Korean 3 and 4.

# POLITICAL SCIENCE

Ricardo & Dr. Rosita Leong Hall, Rm 300  
(632) 8426-6001 loc. 5250/5252  
telefax: (632) 8426-0906  
[polsci.soss@ateneo.edu](mailto:polsci.soss@ateneo.edu)

The Department of Political Science, as part of an academic institution that is Jesuit, Catholic and Filipino, envisions itself as a catalyst in molding the political and social consciousness of the Ateneo de Manila University and the larger community, which the school serves. The Department aspires to be a leader in the field of politics and governance – educating its students and the broader citizenry towards the development of institutions of peace and justice, equity and sustainability, inclusiveness and respect for human rights. Through its teaching, research and outreach activities, the Department seeks to participate in processes of democratization and popular empowerment at many levels – local, national and global – within the framework of critical inquiry, intellectual rigor and committed public service.

The Department seeks to train professionals who will be future leaders in their chosen fields; to contribute to the teaching/shaping of the discipline at the tertiary and basic education levels through research and content-based instruction; and, contribute to the country's development process through scholarly research, intellectual exchange, professional consultancy and community/public outreach.

## BACHELOR OF ARTS IN POLITICAL SCIENCE

The AB Political Science degree aims to provide its graduates with a solid background in international relations, comparative politics, political theory, and public management. The program is designed to train students in critical and analytical thinking and leadership. The program is enhanced by an internship, a study abroad program, and service learning courses.

The AB Political Science Program responds to the call of the University to participate in nation-building and the promotion and development of a holistic and formative education that characterizes the core curriculum education in the Loyola Schools. A specialization in Political Science at the undergraduate level supplies some of the necessary professional tools for careers in academe, research organizations, and organizations of humanitarian, social and business concerns as well as international finance and trade.

### *Program Learning Outcomes*

At the end of the four-year degree program, the student is able to:

1. Define and understand theories relevant to each field of Political Science
2. Recognize political science theories in understanding issues that take place in a larger, globalizing, national and local context
3. Compare theories and practices in political issues across different contexts/fields
4. Evaluate and critique theories on the basis of political scientific inquiry and a sense of social justice
5. Generate an informed commitment to social/political perspective/s
6. Plan for self/career development, which may include further studies on the same or similar field
7. To have a sense of citizenship

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
POLSC 20	Introduction to Political Science	3	POLSC 21	Philippine Politics and Governance	3
FLC 11	Foreign Language and Culture 11	3	MATH 10	Mathematics in the Modern World	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
TOTAL		19(2)			

<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 30	History of Political Theory	3	POLSC 31	Contemporary Political Theories	3
POLSC 110	Comparative Politics	3	POLSC 112	Politics and Governance in Southeast Asia	3
POLSC 193	Quantitative Methods in the Social Sciences	3	POLSC 194	Qualitative Methods in the Social Sciences	3

SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
	TOTAL	18(5)			

#### THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 120	Fundamentals of Public Management	3	POLSC 121	Public Policy	3
POLSC 130	International Relations	3	POLSC 131	International Political Economy	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		15(0)
	TOTAL	15(3)			

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
POLSC 197	Directed Study: Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 150	Global Governance	3	POLSC ELECTIVE 3	Political Science Elective 3	3
POLSC 199	Directed Study: Research	3	POLSC ELECTIVE 4	Political Science Elective 4	3
POLSC ELECTIVE 1	Political Science Elective 1	3	SocSc 14	Politics, Governance, and Citizenship	3
POLSC ELECTIVE 2	Political Science Elective 2	3	IE 3	Interdisciplinary Elective 3	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)	TOTAL		15(0)

Total Number of Academic Units: 136(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN DIPLOMACY AND INTERNATIONAL RELATIONS WITH SPECIALIZATION IN EAST AND SOUTHEAST ASIAN STUDIES

The ideal Ateneo graduate of the AB Diplomacy and International Relations program is equipped with the theoretical knowledge of diplomatic history and Philippine foreign policy, and has sufficient understanding of the politics and governments of East and Southeast Asian countries. S/he has a mastery of either Chinese, Korean or Japanese language and is equipped with the practical skills in theorizing, research, writing and additionally of foreign policy analysis and negotiation in a simulated environment. The AB Dip-IR graduate is immersed in experiential

learning which further equips him/her with multicultural literacy and sensitivity and the knowledge of bureaucratic systems in accordance with the pillars of Philippine diplomacy as well as of the other countries in East and Southeast Asia.

### *Program Learning Outcomes*

At the end of the four-year degree program, the student is able to:

1. Define, discuss and explain theories and concepts on diplomacy, foreign policy, and international relations
2. Practice communication and research skills to formulate/present policy proposals and write evidence-based research and policy papers
3. Compare and evaluate regional foreign policies
4. Develop strategies for negotiation in a simulated environment
5. Integrate learning in the classroom in areas open to experiential and practical learning through research and internship
6. Assess foreign policy actions of foreign policy leaders and appraise their significance to national interest.

<b>FIRST YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
POLSC 20	Introduction to Political Science	3	POLSC 21	Philippine Politics and Governance	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	FLC 11	Foreign Language and Culture 11	3
MATH 10	Mathematics in the Modern World	3	SocSc 11	Understanding the Self	3
NatSc 10.01	Natural Science, Lecture	3	THEO 11	Faith, Spirituality, and the Church	3
NatSc 10.02	Natural Science, Laboratory	1	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
	TOTAL	19(2)			

<b>SECOND YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 30	History of Political Theory	3	POLSC 135	Philippine Foreign Policy	3
POLSC 193	Quantitative Methods in the Social Sciences	3	POLSC 194	Qualitative Methods in the Social Sciences	3
FLC 12	Foreign Language and Culture 12	3	ArtAp 10	Art Appreciation	3
SocSc 12	The Contemporary World	3	FLC 13	Foreign Language and Culture 13	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
	TOTAL	18(5)			

<b>THIRD YEAR</b>					
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ANTH 141.2	Anthropology of Southeast Asia	3	HISTO 131.04	Asia in the Modern World	3

POLSC 130	International Relations	3	POLSC 111	Comparative Politics (Asia)	3
POLSC 132	International Law	3	POLSC 131	International Political Economy	3
FLC 14	Foreign Language and Culture 14	3	POLSC 136	Diplomacy and Consular Practice	3
PHILO 13	Ethics	3	PHILO 12	Philosophy of Religion	3
SocSc 13	The Economy, Society, and Sustainable Development	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
IE 1	Interdisciplinary Elective 1 – English	3	IE 2	Interdisciplinary Elective 2	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		21(0)
	TOTAL	21(3)			

#### FOURTH YEAR

##### Interession

POLSC 197	Directed Study: Practicum	3
	TOTAL	3(0)

##### Units

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 134.10	International Negotiation and Conflict Resolution	3	LAS 123.73	Strategic Issues In Doing Business in the ASEAN Context	3
POLSC 136.10	Issues and Problems in Diplomacy and Consular Practice	3	POLSC 131.40	The State and Economic Development: East and Southeast Asia	3
POLSC 180.70	Theories and Issues of Human Security in East and Southeast Asia	3	POLSC 150	Global Governance	3
POLSC ELECTIVE 1	Political Science Elective 1	3	POLSC ELECTIVE 2	Political Science Elective 2	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3	FREE ELECTIVE	Free Elective	3
	TOTAL	18(0)	TOTAL		18(0)

Total Number of Academic Units: 154(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN POLITICAL SCIENCE – MASTER OF ARTS IN POLITICAL SCIENCE MAJOR IN GLOBAL POLITICS

Embedded in the approach of education is the goal of developing graduates with an “intellectual depth, creative imagination, social involvement, and spiritual maturity, students are able to discover and fulfill their distinctive calling and mission in life.” The course responds to these times which “call for leaders who are globally attuned but also deeply rooted in local needs, practices and institutions. A world that is characterized by much suffering, division and violence, seeks agents of justice, mercy and compassion; of healing, reconciliation and peace.

### *Program Learning Outcomes*

At the end of the five-year degree program, the student is able to:

1. Use theories in the practice of global politics
2. Develop a comparative and global outlook of political issues
3. Develop critical thinking vis-à-vis existing global norms and practices



#### 4. Effectively articulate the knowledge and skills to wider global and national contexts

Specifically, the AB-MA Political Science aims to provide rigorous training in the Political Science fields of International Relations and Comparative Politics, but with the aim of bridging the traditional separation between “international” and “domestic” politics in the understanding of the processes of globalization.

<b>FIRST YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
POLSC 20	Introduction to Political Science	3	POLSC 21	Philippine Politics and Governance	3
FLC 11	Foreign Language and Culture 11	3	NatSc 10.01	Natural Science, Lecture	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	NatSc 10.02	Natural Science, Laboratory	1
MATH 10	Mathematics in the Modern World	3	SocSc 11	Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	THEO 11	Faith, Spirituality, and the Church	3
PHYED 1	Physical Education 1	(2)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2	Physical Education 2	(2)
			TOTAL		19(2)

<b>SECOND YEAR</b>					
<b><u>Interession</u></b>		<b><u>Units</u></b>			
HISTO 12	Readings in Philippine History	3			
IE 1	Interdisciplinary Elective 1 – English	3			
	TOTAL	6(0)			

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
POLSC 30	History of Political Theory	3	POLSC 31	Contemporary Political Theories	3
POLSC 110	Comparative Politics	3	POLSC 112	Politics and Governance in Southeast Asia	3
POLSC 193	Quantitative Methods in the Social Sciences	3	POLSC 194	Qualitative Methods in the Social Sciences	3
ArtAp 10	Art Appreciation	3	POLSC ELECTIVE 1	Political Science Elective 1	3
SocSc 12	The Contemporary World	3	PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	IE 2	Interdisciplinary Elective 2	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
	TOTAL	18(5)			

<b>THIRD YEAR</b>					
<b><u>Interession</u></b>		<b><u>Units</u></b>			
STS 10	Science, Technology, and Society	3			
IE 3	Interdisciplinary Elective 3	3			
	TOTAL	6(0)			

<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
POLSC 120	Fundamentals of Public Management	3	POLSC 121	Public Policy	3
POLSC 130	International Relations	3	POLSC 131	International Political Economy	3

POLSC ELECTIVE 2	Political Science Elective 2	3	PHILO 12	Philosophy of Religion	3
PHILO 13	Ethics	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	FREE ELECTIVE	Free Elective	3
NSTP 12	National Service Training Program	12	(3)	TOTAL	15(0)
	TOTAL	15(3)			

**FOURTH YEAR**

**Interession**

**Units**

POLSC 197	Directed Study: Practicum	3
	TOTAL	3(0)

**First Semester**

**Units**

**Second Semester**

**Units**

POLSC 150	Global Governance	3	POLSC 202	Graduate Seminar in Comparative Politics	3
POLSC 199	Directed Study: Research	3	POLSC 203	Graduate Seminar in International Relations	3
POLSC 201	Foundations and Framework for Political Research and Analysis	3	POLSC ELECTIVE 3	Political Science Elective 3	3
POLSC 292	Qualitative and Quantitative Methods for Political Research	3	POLSC ELECTIVE 4	Political Science Elective 4	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
	TOTAL	15(0)		TOTAL	15(0)

**FIFTH YEAR**

**Interession**

**Units**

POLSC 296	Comprehensive Examinations	0
	TOTAL	0(0)

**First Semester**

**Units**

**Second Semester**

**Units**

POLSC MA	Specialization Course	3	POLSC 299.1	Thesis I	3
POLSC MA	Specialization Course	3	POLSC 299.2	Thesis II	3
POLSC MA	Specialization Course	3		TOTAL	6(0)
POLSC MA ELEC	POLSC MA Elective	3			
POLSC MA ELEC	POLSC MA Elective	3			
	TOTAL	15(0)			

Total Number of Academic Units: 169(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF ARTS IN POLITICAL SCIENCE – MASTER IN PUBLIC MANAGEMENT

The AB Political Science – Masters in Public Management (Honors Program) aims to provide students the theoretical acuity and strategic skills necessary to navigate through and resolve ethical dilemmas in the context of leadership in public sector management. As such, its curriculum is designed to equip students with a high level of competence in politics, public policy, and governance. Aside from rigorous academics, internship opportunities and engagement with distinguished political scientists, public sector practitioners, and think tank luminaries from the country and the region are also afforded to students.

### *Program Learning Outcomes*

At the end of the five-year degree program, the student is able to:

1. Assess the relationship between politics and public sector management
2. Interrogate concepts and frameworks relevant to both based disciplines based on experiential learning
3. Demonstrate a strong ability to execute a comparative local and global outlook on politics and public sector management issues
4. Advocate and support ethical governance practices

		<b>FIRST YEAR</b>		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11 Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12 Panitikan ng Pilipinas	3
POLSC 20	Introduction to Political Science	3	POLSC 21 Philippine Politics and Governance	3
FLC 11	Foreign Language and Culture 11	3	NatSc 10.01 Natural Science, Lecture	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	NatSc 10.02 Natural Science, Laboratory	1
MATH 10	Mathematics in the Modern World	3	SocSc 11 Understanding the Self	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	THEO 11 Faith, Spirituality, and the Church	3
PHYED 1	Physical Education 1	(2)	INTACT 12 Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18(2)	PHYED 2 Physical Education 2	(2)
			TOTAL	19(2)

		<b>SECOND YEAR</b>	
<u>Intersession</u>		<u>Units</u>	
HISTO 12	Readings in Philippine History	3	
IE 1	Interdisciplinary Elective 1 – English	3	
	TOTAL	6(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
POLSC 30	History of Political Theory	3	POLSC 31 Contemporary Political Theories	3
POLSC 110	Comparative Politics	3	POLSC 112 Politics and Governance in Southeast Asia	3
POLSC 193	Quantitative Methods in the Social Sciences	3	POLSC 194 Qualitative Methods in the Social Sciences	3
ArtAp 10	Art Appreciation	3	POLSC ELECTIVE 1 Political Science Elective 1	3
SocSc 12	The Contemporary World	3	PHILO 11 Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3	IE 2 Interdisciplinary Elective 2	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4 Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL	18(2)
	TOTAL	18(5)		

		<b>THIRD YEAR</b>	
<u>Intersession</u>		<u>Units</u>	
STS 10	Science, Technology, and Society	3	
IE 3	Interdisciplinary Elective 3	3	
	TOTAL	6(0)	

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 120	Fundamentals of Public Management	3	POLSC 121	Public Policy	3
POLSC 130	International Relations	3	POLSC 131	International Political Economy	3
POLSC ELECTIVE 2	Political Science Elective 2	3	PHILO 12	Philosophy of Religion	3
PHILO 13	Ethics	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	FREE ELECTIVE	Free Elective	3
NSTP 12	National Service Training Program 12	(3)	TOTAL		15(0)
	TOTAL	15(3)			

#### FOURTH YEAR

<u>Intersession</u>		<u>Units</u>
POLSC 197	Directed Study: Practicum	3
	TOTAL	3(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
POLSC 150	Global Governance	3	POLSC ELECTIVE 3	Political Science Elective 3	3
POLSC 199	Directed Study: Research	3	POLSC ELECTIVE 4	Political Science Elective 4	3
POSPM 203	Power, Ethics, and Accountability	3	POSPM 202	Understanding the Bureaucracy	3
POSPM 204	Public Policy Development and Analysis	3	SGXAPPECO	Applied Economics for the Public Sector	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
	TOTAL	15(0)	TOTAL		15(0)

#### FIFTH YEAR

<u>Intersession</u>		<u>Units</u>
SG ELECTIVE 1	SG Elective 1	3
INTERNSHIP	Internship	3
	TOTAL	6(0)

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
SGXGIR101	Governance Innovation Report 101	3	POSPM 201	Leadership in Public Sector	3
SGUBFIN	Public Finance and Budgeting	3	SGXGIR102	Governance Innovation Report 102	3
SG ELECTIVE 2	SG Elective 2	3	SG ELECTIVE 4	SG Elective 4	3
SG ELECTIVE 3	SG Elective 3	3	SG ELECTIVE 5	SG Elective 5	3
	TOTAL	12(0)	TOTAL		12(0)

Total Number of Academic Units: 178(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR IN GLOBAL POLITICS

The Minor in Global Politics is designed to introduce students to two Political Science subfields that address such concerns; Comparative Politics and International Relations. The program is designed for students who are not majoring in Political Science or European Studies (International Relations Specialization), but who are interested in this dimension of political studies

and see the distinct contributions of such training to their own fields of academic specialization and prospective professional careers. It is expected that the program will attract students who see themselves working with globally-oriented organizations and networks, and/or pursuing graduate degrees in fields related to global studies.

*Eligibility Requirement*

Open to all undergraduate students except AB POS majors and AB European Studies majors, with specialization in International Relations.

*Minimum Grade Requirement*

At least a C in each course required for the Minor

*Program Curriculum*

Required Courses

SocSc 12	The Contemporary World
POLSC 110	Comparative Politics
POLSC 130	International Relations
POLSC 131	International Political Economy
POLSC 150	Global Governance

Total Number of Units for the Minor: 15 units

MINOR IN PUBLIC MANAGEMENT

The Minor in Public Management seeks to provide students with the knowledge, skills, and values that would help prepare them for a career in government, the non-profit sector, or in social business. The six three-unit courses (or 18-unit course work) that are integrated into the students' curriculum aim at complementing and enhancing the students' academic training acquired from their field of study. They provide the students with the opportunity to acquire a good grasp of the theoretical foundation of the student of public management, develop leadership skills, as well as learn and appreciate ethical standards in public management.

*Eligibility Requirement*

Open to all students except AB POS majors

*Minimum Grade Requirement*

At least a C mark in each course in the Minor program curriculum

*Program Curriculum*

Required Courses (12 units)

SocSc 13	The Economy, Society and Sustainable Development
SocSc 14	Politics, Governance and Citizenship
POLSC 120	Fundamentals of Public Management
POLSC 121	Public Policy

Electives (6 units)

PolSc Elective 1

PolSc Elective 2

Total Number of Units for Minor: 18 units

MINOR IN SOUTHEAST ASIAN STUDIES

The Minor in Southeast Asian Studies is an interdisciplinary and intercultural program that aims to foster a deeper understanding and appreciation of the peoples, societies, cultures, politics, international relations, histories, economies, arts, literatures, and languages of Southeast Asia. It is aimed at students who want to enhance or complement their mastery of their disciplinary studies and/or to pursue their research interests in Southeast Asia.

*Eligibility Requirement*

The Minor is open to all undergraduate students of the Loyola Schools except AB DIP-IR majors.

*Program Curriculum*

Required Courses (9 units)

HISTO 131.05 Constructing Nationhood in Southeast Asia

POLSC 112 Politics and Governance in Southeast Asia

ANTH 141.2 Anthropology of Southeast Asia

Elective Courses (6 units)

Students taking the minor program can choose to pursue a track on language and literature or on history and culture, or on politics and economics, or any combination of these.

POLSC 112.10 Decentralization in Southeast Asia

POLSC 130.10 Southeast Asian International Relations

POLSC 130.30 Korea-ASEAN Relations

POLSC 131.40 The State and Economic Development in East and Southeast Asia

POLSC 140 Introduction to the ASEAN

POLSC 151 Regional Systems on Human Rights in Europe and ASEAN

POLSC 180.70 Theories and Issues of Human Security in East and Southeast Asia

DEV 187.2 Special Topics in Geography and Development: Radical Geography and the Future of Development

ECON 134 Comparative Economic Development in Southeast Asia and East Asia

EURO 187.1 Special Topics in European Law: EU-ASEAN Human Rights

IDS 121.34 Music: Asian Music

IDS 124.05 Architecture and Painting: Introduction to Asian Vernacular Architecture and Art Forms

IDS 131.43 Area Studies: History and Environmental Practice in Southeast Asia

INDO 11 Basic Bahasa Indonesian 1 Language and Culture

INDO 12 Basic Bahasa Indonesian 2 Language and Culture

JPN 142 Japan and ASEAN

ANTH 122.2 Maritime Anthropologies and Histories in Southeast Asia

SOAN 131.3 Muslim Societies in Southeast Asia

SOAN 138.5 Ethnicity, Class and gender in East and Southeast Asia

SOCIO 132.1 Sociological Perspectives on Politics in Southeast Asia

Total Number of Units for the Minor: 15 units

## COURSE OFFERINGS

### POLSC 20

#### INTRODUCTION TO POLITICAL SCIENCE

3 units

This is a study of the analytic concepts, processes, and structures of politics. The level of analysis ranges from the study of the individual's political beliefs and actions through the politics of groups, states, and international systems.

### POLSC 21

#### PHILIPPINE POLITICS AND GOVERNANCE

3 units

The course introduces students to the persons, structures, and processes central to the study of the Philippine political system. It presents the practice of politics in the Philippines as a continuing struggle of interest and claims making by analyzing the complex relationship between the Philippine society and the state. Further, it examines how institutions reproduce and solidify existing societal dynamics between peoples, organizations, families, individuals, and other groupings that contribute to the realities of Philippine politics and governance. A broad overview of contemporary issues is utilized to contextualize the concepts and frameworks presented.

### POLSC 30

#### HISTORY OF POLITICAL THEORY

3 units

This is a survey of political ideas and theories of the great thinkers that have influenced political debates through the ages: Plato, Aristotle, St. Augustine, St. Thomas Aquinas, Marsilio of Padua, Machiavelli, Bodin, Hobbes, Locke, Montesquieu, Rousseau, Burke, Bentham, de Tocqueville, John Stuart Mill, Hegel, and Marx.

### POLSC 31

#### CONTEMPORARY POLITICAL THEORIES

3 units

Prerequisite: POLSC 30

This is a survey course that examines major contemporary theories/ideologies: Marxism, communism, fascism, nationalism, democracy, liberalism, democratic socialism, welfare state, libertarianism, anarchism, feminism, and environmentalism. It also introduces political Islam and theories of justice.

### POLSC 31.10

#### MARXISM IN GLOBAL POLITICS

3 units

This course is a critical appraisal of the impact of Marxist theories on global politics and social movements. It examines Marxist theorizing and praxis in critical junctures in world history, from the electoral successes of European Social Democrats, the Bolshevik revolution, to the anti-globalization movements of the 1990s. Rather than assessing the viability of Marxism as a political project, the course focuses on the existing legacies – both positive and negative – of an influential and dynamic body of thought.

### POLSC 31.20

#### ASIAN POLITICAL THEORIES

3 units

Prerequisite: POLSC 30

This is a study of the main currents of Asian/Philippines political thought in view of the increasing integration of the Philippines with its Asian neighbors. It looks at the contributions of Asian political thinkers and of Confucianism, Taoism, Buddhism, and Shinto.

### POLSC 32

#### GENDER STUDIES

3 units

The trivialization, marginalization and even homogenization of women's concerns are endemic in a patriarchal and male-centered society. As individuals and as a collective, women's subordination, discrimination and abuse has been institutionalized in the society's culture, politics and economics. And as a result, women struggle to claim their rights in these realms. This course revolves around the politics of gender where the status, concerns and struggles of women are examined and analyzed.

POLSC 32.10

GENDER, GLOBALIZATION AND DEVELOPMENT

3 units

The course presents the major traditions in feminist political thinking – liberal feminism, radical feminism, postmodern feminism, and critical feminism. It examines the present global politics using each of the feminist perspectives. It looks at development and globalization literatures in the context of women's experiences and gender relations. It critiques the international political economy and the intensifying feminization of the global workforce (e.g. labor migration, the political economy of sex), and examines the political, cultural, and religious dimensions of gender politics that affect women's relative positions in the political power structure.

POLSC 32.11

GENDER AND WOMEN'S HUMAN RIGHTS

3 units

This course revolves around the politics of gender and the status, concerns and struggles of women. Feminist analyses are the discursive frame of the course and particular focus is given to domestic legislation and international codified laws on women's human rights.

POLSC 32.12

SEXUAL POLITICS: GLOBAL PERSPECTIVES

3 units

This subject approaches gender and sexuality as historically, politically and culturally contingent rather than as natural expressions of a private self. It provides the historical and theoretical frameworks for understanding the rise of specific genders and sexualities in relation to psychoanalytic, philosophical, political and popular discourses. Drawing on recent formations in both post-structural feminism and queer studies, this subject engages with a diverse range of texts, from Euro-American re-theorizations of gender and sexuality to recent engagement with postcolonial and global contexts.

POLSC 33

POLITICS OF THE MARGINS: LOCATING THE POLITICAL IN EVERYDAY LIVES

3 units

The course tries to surface voices of dissent, silenced experiences, and buried narratives. It is an exploration into alternative knowledge and realities – not because they were not thought of before but because they were dismissed as not being 'political'. In this regard, the course tries to locate 'politics' in places where it is not readily seen or obviously acknowledged – it follows the voices that fall in the cracks or the silences that are outwardly rendered invisible.

POLSC 35

SEMINAR IN CONTEMPORARY DEMOCRATIC THEORY

3 units

This is a course that traces the philosophical traditions that underpin and provide theoretical reflection on present debates and questions of representation, human rights, public reason and political identities. The prevailing modern liberal model is critiqued and looked at through alternative ways of thinking and acting democratically.

POLSC 110

COMPARATIVE POLITICS

3 units

This course introduces the student to Comparative Politics, one of the major subfields of Political Science.



Attention is given to both theoretical foundations of the subfield and empirical studies in various political and cultural settings.

POLSC 111  
COMPARATIVE POLITICS (ASIA)

3 units

This is a study of the theoretical foundations for the study of comparative government and politics in Asia. The course considers a number of theoretical approaches used to deal with data, from the traditional to new approaches, and assesses the value they have in understanding government and politics in Asia.

POLSC 111.10  
COMPARATIVE MILITARIES IN ASIA

3 units

The roles of the armed forces in Asia in the maintenance of security are evolving. Using a socio-historical perspective, the course traces the development of Asian armed forces and analyzes the issues of emerging military regimes, democratic control of the armed forces, asymmetric warfare, etc.

POLSC 112  
POLITICS AND GOVERNANCE IN SOUTHEAST ASIA

3 units

The course examines the significant developments in contemporary Southeast Asia. These include the rise of constitutional, democratic governments; the emergence of increasingly market-oriented and capitalist economies; and sub-regional-and regional-level initiatives aimed at regional security and cooperation within the region.

POLSC 112.10  
DECENTRALIZATION IN SOUTHEAST ASIA

3 units

This course provides a broad sketch of Southeast Asia's decentralization experience from a normative and empirical perspective. It presents the nature and significance of decentralization as a multidimensional process, shaped by the changing relationship between subnational and central state and between citizens and the state.

POLSC 113  
COMPARATIVE POLITICS (EUROPE)

3 units

This course is designed to introduce students to the field of comparative politics with emphasis on the governments of Europe. The course concludes with a detailed analysis of how the different traditional domestic processes and policies of these countries affect their integration into the European Union.

POLSC 114  
POLITICAL DEVELOPMENT

3 units

The course on political development deals with the processes and characteristics that transform a traditional political system into a modern one. They examine the macro and micro level changes that are critical to the development of a modern state.

POLSC 114.10  
MODERNIZATION OF JAPAN

3 units

This is an analysis of the process of modernization as experienced by Japan. This includes developments during the Tokugawa and Meiji periods: nationalism and militarism, post-war recovery and re-orientation. This course explores the on-going debate on when did Japan really modernize. Was it before or after Meiji, before or after World War II?

POLSC 115  
DEMOCRACY AND SOCIAL ACCOUNTABILITY

3 units

The course introduces the concept of Social Accountability within the broad theoretical discourse of State-Society Relations and Democracy. Recognizing the limits of electoral contestation, social accountability promises a more sustained means of making power accountable. It is henceforth considered a necessary supplement in addressing “the three fundamental threats to the construction of good governance and rule of law in the developing world,” namely corruption, clientilism and capture.

POLSC 115.10  
DEMOCRATIZATION AND THE DEVELOPING STATES

3 units

The course provides an introduction to the processes of democratic change and upheaval in the third world in the context of three overarching processes: i) the transition from authoritarianism to democratization and the reversions in this processes; ii) the economic transformations brought about by liberalization and globalization; and iii) accompanying patterns of social change and development. This course problematizes the processes of political reform and reflect upon the current issues and problems that affect democratization in the third world.

POLSC 115.20  
DEMOCRATIZATION PROCESS IN EAST AND SOUTHEAST ASIA

3 units

This course provides a conceptual knowledge of “democracy” and “democratization”. By reviewing the status of democratic transition in the region, this course sheds light on the factors and forces of the democratization process. Commonalities and differences among the democratization processes of each country would provide students with a comprehensive perspective towards democratization.

POLSC 116  
RELIGION AND POLITICS

3 units

The course deals with the various ways religious personalities, institutions and movements relate with and affect the state, political processes and policy-making. Special emphasis is given to the roles religion-based political agents play in democratization, conflict-resolution and peace-building.

POLSC 120  
FUNDAMENTALS OF PUBLIC MANAGEMENT

3 units

This course is a study of the principles, practices, and problems of public management, and an understanding of the national and local bureaucracy and administration, including budgeting, personnel, program implementation and evaluation.

POLSC 120.10  
PHILIPPINE ADMINISTRATIVE SYSTEM

3 units

This is a study of the development and structure of the Philippine administrative system, with emphasis on the present organization, the recruitment of personnel, and the nature of the decision-making and rule-making functions of the bureaucracy. It also assesses the effectiveness of the bureaucracy on the various facets of administration, program planning, implementation, monitoring, and measuring outcomes of the program.

POLSC 121  
PUBLIC POLICY

3 units

This course enables the students to explore the various stages of the policy cycle: agenda setting, policy formulation, decision-making, implementation, and evaluation. This offers a deeper understanding of the different issues surrounding the creation, implementation and evaluation of different policies.

POLSC 121.10

THE POLITICS OF DEVELOPMENT POLICY

3 units

This course studies the conditions under which changes in policy have occurred, in an attempt to identify a formula for creating a platform for successful policy reform. Analysis is centered on the role of decision and policy makers, the choices they make, and the factors affecting these choices.

POLSC 121.20

FEMINIST COMPARATIVE POLICY

3 units

The course introduces students to an area of feminist study within the field of political science. It explores feminist policy and the related issues of gender, policy and the state. More specifically, the course is designed to introduce students to both conceptual and research literature in three major areas of feminist comparative research, namely, 1) feminist policy formation, 2) feminist movements and policy and 3) state feminism.

POLSC 121.30

ENVIRONMENTAL POLICIES

3 units

This is a study and evaluation of environmental problems in the Philippines, and a review of the record of the Philippine government in making and implementing laws to protect the environment. It assesses the role of the key players – government and individual, public and private – in the preservation/destruction of the environment, and examines the processes by which states and international organizations formulate, enforce, and evaluate environmental policies.

POLSC 122

ORGANIZATIONAL DEVELOPMENT

3 units

This course introduces theories, strategies, and tools in change management in the context of public sector organization development. Topics include planned development and its structures, processes, and techniques; approaches in reinforcing strategies that develop organizational effectiveness; and issues in design, leadership development, and performance evaluation.

POLSC 123

COMPARATIVE PUBLIC ADMINISTRATION

3 units

This is a study of basic concepts and framework for the comparison of the public administration in different countries: the so-called “strong states” like Japan, Singapore, France, and Germany with the “weak states” such as the United States.

POLSC 124

PARTICIPATORY GOVERNANCE

3 units

Participatory governance is a development approach that emphasizes the critical involvement of societal actors – non-government organizations, people's organizations, coalitions and networks in the policy making process. The course situates participatory governance on previous and emerging development perspectives and practices. It also looks at the different modalities of state and society dynamics in advocacy, representation and activism and attempts at an assessment of the societal actors' level of influence on policy making.

POLSC 125  
POLITICS OF EDUCATION  
3 units

This course analyses the interplay of politics, governance and decision-making and learning in schools in the Philippines. It explores the tensions between theory and praxis and examines interests of different actors and stakeholders.

POLSC 130  
INTERNATIONAL RELATIONS  
3 units

This is a study of the political and diplomatic relations among states and the dynamic of the world-wide system of states, with a view of world politics as a struggle for power. It examines the elements of national power and its limiting factors, such as deterrence, assured mutual destruction, international morality, and world public opinion. It also looks into the search for the promotion of peace, such as arms control and disarmament, collective security, international government, and international law.

POLSC 130.10  
SOUTHEAST ASIAN INTERNATIONAL RELATIONS  
3 units

This course is an examination of relations among Southeast Asian nations, with emphasis on contemporary issues. It deals with the interplay of economic cooperation among them and the potential for conflict of political issues, such as human rights.

POLSC 130.20  
EXTERNAL RELATIONS OF THE EUROPEAN UNION  
3 units

The course covers the external policies of the European Community (EC) and the Common Foreign and Security Policy of the European Union (EU); the difference of one from the other which demonstrates clearly the concept and process of integration and intergovernmental actions and cooperation. It describes and analyzes the evolution of the EU's European Political Cooperation (EPC) into the CFSP, its institutional framework, and lastly the EU's relations with NATO, OSCE, Stability Pact in Europe, etc.

POLSC 130.30  
KOREA-ASEAN RELATIONS  
3 units

The course is an introduction to the political, economic and socio-cultural relationship between Korea and the ten member-states of the ASEAN. It examines the key role Korea plays, particularly in developing partnerships on various levels of cooperation (i.e. culture, trade, ICTs, tourism, security), harnessing economic growth, and shaping future policy directions within the context of ASEAN+3. At the end of the course, students are expected to gain a critical understanding of Korea's increasing interest to serve as a development model in the region, and the challenges and prospects that come with the redirection of its diplomatic attention to Southeast Asia.

POLSC 130.40  
JAPAN IN EAST ASIA  
3 units

This course introduces the student to the dynamics of interactions among China, Japan, and Korea and the foreign policies of each of them towards Southeast Asia. It discusses major issues of cooperation and conflict, such as territorial disputes, free trade agreements, and discourse on economic and political integration. Of interest especially to undergraduate students would be a comparison of Japanese, Chinese, and Korean cultural diplomacy, including movies, cuisine, language education, sports, musical bands, and others.

POLSC 130.50  
CHINA-JAPAN RELATIONS

3 units

This is an introduction to the history of relations (political, diplomatic, economic, cultural) between China and Japan. It explores the dynamics of Sino-Japanese relations, in times of conflict and peace (Treaty of Shimonoseki, the Sino-Japanese Wars, 1894-1895; 1934, the May 4th Movement, Chinese students and intellectuals in Japan, World War I and II, the Nanjing Massacre, Unit 571, anti-Japanese sentiments and demonstrations in the Asia Pacific region, contemporary Sino-Japanese relations in the context of regional power politics).

POLSC 131

INTERNATIONAL POLITICAL ECONOMY

3 units

This is an examination of the interlocking role of politics and economics in relations among nations: how economics affect a nation's actions; how the political will directs a country's foreign policy goals; the politics behind investment, aid, and trade policies; and other major aspects of the dynamic interrelationship between politics and economics.

POLSC 131.10

GLOBAL ECONOMICS AND TRADE AND REGIONAL ECONOMIC BLOCS

3 units

Prerequisite: POLSC 131

This is a study of the historical background of the integration of national economies, and assessment of the development of regional economic blocs, such as the European Union, NAFTA, APEC, and the ASEAN, in view of the increasing globalization of trade and integration of national economies, the dismantling of trade barriers, and the easy movement of capital, labor, and goods across national boundaries.

POLSC 131.20

MULTINATIONAL CORPORATIONS AND INTERNATIONAL FINANCIAL INSTITUTIONS

3 units

Prerequisite: POLSC 131

This course focuses on the role of multinational corporations in the global economy, and assesses the effects of the increasing freedom in the movement of goods and capital across national boundaries. It also delves into the growing importance of international financial institutions such as the International Monetary Fund, the World Bank, and the Asian Development Bank, as well as their impact on the autonomy of developing nations.

POLSC 131.30

POLITICS OF INTERNATIONAL MONETARY SYSTEM

3 units

With an historical perspective that looks into the main events — from the Gold Standard, to the onset of the Bretton Woods system, until the floating exchange rate system — the course aims at probing the political and economic forces that influence international monetary systems. It assesses the role of national actors (small and large economies), international actors and international financial organizations like the IMF and the World Bank. It also looks into critical issues such as currency crises, global financial integration and monetary union.

POLSC 131.40

THE STATE AND ECONOMIC DEVELOPMENT: EAST AND SOUTHEAST ASIA

3 units

This course examines the role of the state in economic development. By providing basic knowledge about “state” and “various ideologies/theories in economic development”, this course aims to have students deepen their understanding of political economy. This course tackles the issue of changing state role in economic development in the era of globalization. Selected cases of developmental experiences from the East and Southeast Asian countries provide students with examples of regional developmental trajectories and future perspectives.

POLSC 132  
INTERNATIONAL LAW  
3 units

This is a study of the nature, development, sources, principles, and problems of public and private international law, and their role in the development of a worldwide community, including case studies involving citizens, states, or judicial entities of different states.

POLSC 132.10  
INTERNATIONAL HUMAN RIGHTS AND DOMESTIC AND LEGAL PROCESSES  
3 units

This is a course that surveys the history, theory, practices and issues of international human rights and its interaction with domestic legal processes. It aims to equip students with the skill to frame human rights questions and identify and simulate rudimentary domestic legal processes.

POLSC 132.20  
EUROPE AND TRANSNATIONAL CRIMES  
3 units

This course introduces students to the study of organized transnational crimes and how the European Union participates in and contributes to fighting these crimes. It examines the concepts which define these crimes and the manner by which non-state actors threaten state relations and human security. It discusses the European Union's approaches, integrated as well as intergovernmental, and its various instruments in addressing these issues.

POLSC 133  
INTERNATIONAL ORGANIZATIONS AND REGIONAL ALLIANCES  
3 units

This is a study of the history of the League of Nations and its successor, the United Nations, and an assessment of the effectiveness of the UN in promoting international peace, including the contemporary role of the UN in Bosnia, Haiti, Rwanda, Burundi, Somalia, the Iran-Iraq war, and other regional conflicts.

POLSC 134  
CONFLICT AND CONFLICT RESOLUTION  
3 units

This is an exploration into the macro causes of conflict among nations, such as nationalism, militarism, alliance systems, and economic factors, as well as the micro, how the leader's motivation, beliefs, and perceptions play a critical role in the outbreak of war. The course also delves into the dilemma and consequences of nuclear war.

POLSC 134.10  
INTERNATIONAL NEGOTIATION AND CONFLICT RESOLUTION  
3 units

The course explores the tool for managing international conflict through various negotiation techniques, including the use of third party intervention in facilitating conflict resolutions initiatives.

POLSC 134.20  
COMPARATIVE PEACE PROCESSES  
3 units

This course seeks to examine various peace processes around the world by critically understanding enabling factors as well as remaining challenges. It is designed as a seminar where students actively participate in various learning activities such as workshops, student-led and plenary discussions, and mastering and simulation sessions.

POLSC 135  
PHILIPPINE FOREIGN POLICY

3 units

The course on foreign policies of different states examines the content and direction of the policies, identifies the actors and factors that shape them, traces the historical development of the policies, and analyzes the processes involved in foreign policy making.

POLSC 135.10

JAPAN'S FOREIGN POLICY

3 units

This is a study of Japanese foreign relations from 1522 to 1951 and a detailed analysis of post-Occupation foreign relations and policy, including an analysis, from an institutional and functional perspective, of the institutional set-up and dynamics of the Japanese foreign policy making and implementing structures; the stated and unstated state interests pursued through foreign policy; and the domestic and systemic pressures on Japanese foreign policy-making and implementation. Three sets of foreign relations are considered: Japan-US, Japan-China, and Japan-ASEAN.

POLSC 135.20

UNITED STATES FOREIGN POLICY

3 units

This course is a study of the past and present foreign policy goals of the United States of America, focusing on foreign policy decision-making and the challenges policy-makers face in the post-Cold War era.

POLSC 135.30

CHINESE FOREIGN POLICY

3 units

This is an introduction to China's foreign policy from a historical perspective covering the mid-19th century, and the formation of the People's Republic, leading to the development of Chinese foreign policy and China's evolving participation in the international community.

POLSC 135.40

EUROPEAN UNION FOREIGN POLICY

3 units

This is an extensive analysis of the instruments, institutions, and processes involved in the formulation of a European Union foreign policy, with historical development of the EU as grounding. Various methodologies are used to approach the subject, including institutionalist, rational choice, and game theory.

POLSC 136

DIPLOMACY AND CONSULAR PRACTICE

3 units

This is a study of the origin, development and current practice in the diplomatic and consular fields, with emphasis on matters to Philippine foreign policy and international relations, giving special attention to negotiation (bilateral, multilateral, summitry) which is the most important function of diplomats; principles of protocol and etiquette applicable to modern international practice; and practical application of theories through discussions and simulation exercises.

POLSC 136.10

ISSUES AND PROBLEMS IN DIPLOMACY AND CONSULAR PRACTICE

3 units

Following the first diplomatic and consular practice course, the course seeks to further the students' understanding and application of knowledge of foreign service management. The challenges of transnational crimes (terrorism, money laundering, trafficking) and Assistance to Nationals set the context of diplomacy and consular practice in the Philippines in the 21st century. The following focal points are deepened: discussion and analysis of the state of diplomatic law, diplomatic privileges and immunities of diplomats, heads of states, etc., under the Vienna Convention, violations and countermeasures to violations; diplomatic protocols/etiquette through simulation; and exposure and skills training in diplomatic correspondence.

POLSC 140

INTRODUCTION TO THE ASEAN

3 units

The course provides an overview of the political and economic developments and transformations in Southeast Asia. The following weeks focus on substantive issues confronting Southeast Asian countries. Rather than to attempt to cover all concepts and countries within the region, the approach is to focus on selected questions and problems concerning the countries of Southeast Asia, and to introduce concepts, terms, and examples while examining these questions. Students are encouraged to explore further the details of particular countries and events in their own research projects.

POLSC 141

GOVERNMENT AND POLITICS OF THE EUROPEAN UNION

3 units

This is an introduction to the policies, institutions and processes of the European Union, including the study of the EU's historical development, its legal framework, and then interrelationship among its various actors. The course analyzes the political and cultural issues and problems associated with integration. Vital EU policies are discussed and evaluated on their impact on other regions and countries, especially Southeast Asia and the Philippines.

POLSC 142

GOVERNMENT AND POLITICS OF JAPAN

3 units

This course introduces the students to the intricacies of the Japanese government and political system. The course adopts a historical/institutional approach. It begins with the antecedents to the post World War II Japanese political environment and concludes with a speculative section on future directions of Japanese state development and its role in society.

POLSC 143

GOVERNMENT AND POLITICS OF CHINA

3 units

This subject introduces students to Chinese government and politics, including contemporary issues. It covers the basis of the Confucian/Legalist Empire and its failure to modernize, the rise of the Communist Party, Maoist and the politics of China under Mao, and Deng Xiaoping and the post-Mao reforms. In addition to Chinese politics, the political economy, and military are discussed.

POLSC 144

GOVERNMENT AND POLITICS OF THE UNITED STATES

3 units

This course discusses political systems of individual states, which, implicitly, are taken in comparison with the political system of the Philippines.

POLSC 150

GLOBAL GOVERNANCE

3 units

This course tackles ideas, institutions, practices, and processes through which global politics are organized and social-political-economic-cultural outcomes are governed. The objective is to analyze globalization itself as a constructed and contested terrain of social meanings, relations and engagements, and governance as processes of partial steering and ordering in a multi-centered world with diverse but often overlapping spheres or sites of authority. The course focuses on theoretical attempts that seek to make sense of globalization and governance: of actors, practices as well as structured contexts or fields of power that constitute and regularize hierarchies of social interests, relations, identities and imaginaries.

POLSC 150.10

LAWS OF GLOBAL REGULATION AND THE UNITED NATIONS



3 units

This course looks at the different areas of international law which are central to an understanding of the United Nations. In particular, this course shall look at areas which include but are not limited to international legal personality, peacekeeping/peacekeeping, international humanitarian law and the laws of war. The course also analyzes different cases where the United Nations has been involved in such as Rhodesia, Iraq, Libya and Afghanistan.

POLSC 151

REGIONAL SYSTEMS ON HUMAN RIGHTS IN EUROPE AND ASEAN

3 units

The course compares the human rights practices of European and Southeast Asian regional organizations. Special focus is placed on how organizations develop within their respective jurisdictions human rights promotion and protection.

POLSC 160

THE PHILIPPINE LEGISLATURE AND THE PRESIDENCY

3 units

This is a study of the relationship between the Chief Executive and the Legislature, including important executive and legislative decisions made during the Commonwealth period to the present as case studies for the analysis of the executive-legislative relationship.

POLSC 160.10

PHILIPPINE JUDICIAL SYSTEM

3 units

This is a discussion of the historical development of the Philippine development of the Philippine judicial system, and an examination of the present structure of the Philippine judiciary, and the processes by which cases are heard and judgements rendered in the different judicial courts.

POLSC 160.11

THE ADMINISTRATION OF CRIMINAL JUSTICE AND THE RIGHTS OF THE ACCUSED

3 units

The course studies the agencies involved in the administration of criminal justice, their relations to each other and their respective rules of procedure. International and domestic standards advancing the cause of the rights of the accused serves as an important basis in examining the administration of justice with a critical eye. Special attention is given to women and children who come into conflict with the law. The problems that extrajudicial killings and enforced disappearances present to the administration of justice are also taken up.

POLSC 161

PHILIPPINE-JAPANESE RELATIONS

3 units

This is a survey course that traces the development of Philippines-Japanese relations since the sixteenth century, focusing on political, economic, and cultural relations in the 1920s, through World War II, and the postwar period. This year, being the 50th anniversary of the resumption of RP-Japan relations, the course pays particular attention to the developments since the 1950s.

POLSC 162

PHILIPPINE-AMERICAN RELATIONS

3 units

This course revisits the rich history of the relationship between the Philippines and the United States. This is an examination of the major areas of cooperation and conflict and the nature of the bilateral relationship between the two states.

POLSC 163

LOCAL GOVERNMENT

3 units

This is a discussion on levels of local governments in the light of the Local Government Code, and the legislative acts that preceded it, with particular reference to their structure, with the national government. Problems of local autonomy, such as planning, taxation, and personnel, are also discussed.

POLSC 164

PHILIPPINE AND FILIPINO/A POLITICAL CULTURES

3 units

This course aims to revisit the political culture scholarship in the Philippine context, noting the promises and pitfalls of earlier works in this field. It looks into the criticisms raised against this body of work, especially from those inspired by Marxist social and political theories. It then proceeds to a discussion and evaluation of recent works – largely influenced by the “linguistic and cultural turns” in the human sciences – that attempt to re-invigorate or re-translate the notion of political culture without falling into the traps of essentialism, reductionism, and orientalism.

POLSC 165

PUBLIC LAW

3 units

A field of political science, Public Law and its sub fields (constitutional, administrative and criminal law) is a study of the relationship between the state and the citizen and the legal institutions and politics that govern this interaction. The course looks at the special topics that cover the broad issues, practices, institutions and actors of public law.

POLSC 180.10

ISSUES AND PROBLEMS IN INTERNATIONAL RELATIONS

3 units

This is a study of critical issues in contemporary international relations, such as nuclear proliferation, worldwide traffic in drugs, terrorism, population control, degradation of the environment, and regional and ethnic conflicts in Bosnia, Rwanda, Israel, Palestine, and Iraq, which have spillover effects on other nations.

POLSC 180.20

NORMATIVE ISSUES IN INTERNATIONAL RELATIONS

3 units

This course aims to examine and analyze the role of norms and ethics in the conduct of international affairs. It seeks to answer the questions: Is ethical action possible given the realities of national interests and power politics? And how, in normative or ethical terms can international acts and institutions be evaluated? The emphasis of the course is on applying ideas, thoughts and values in the assessment of world affairs.

POLSC 180.30

EPISTEMOLOGICAL ISSUES IN GLOBAL POLITICS

3 units

Prerequisite: POLSC 130

This course engages the student with one of the most interesting junctures in theorizing global politics today: the role that epistemology (theory of knowledge) plays in understanding, articulating and judging global political issues. This role is crucial for most debates in global politics assume that participants in these debates do not possess a common understanding of philosophical, ethical and religious doctrines. Thus, it becomes more difficult for the participants to reach consensus on most issues, making dissent and conflict an inevitable recourse.

POLSC 180.40

INTERNATIONAL SECURITY AND STRATEGIC STUDIES

3 units

This course is an introduction to the study of critical approaches to International Relations, focusing on the questions raised by feminist and poststructural theories against traditional conceptions of ‘security’. The literature included in the course seeks to break away from the disciplinary boundaries of IR and attempts to

raise questions such as: What counts as International Relations? What are the 'appropriate' referents of IR scholarship?

POLSC 180.50

INTERNATIONAL SECURITY STUDIES

3 units

This course surveys major theories and issues in the field of security studies. It looks into the role of systemic constraints, such as the balance of power and the security dilemma. The course then analyzes critical issues in international security as the proliferation of nuclear weapons, humanitarian intervention, and regional stability in Asia.

POLSC 180.60

FOREIGN POLICY, NATIONAL INTEREST AND CITIZENSHIP

3 units

The course is a study of the processes, roles, and formal and informal decision-making arrangements that constitute and define foreign policy. A special focus is given to the shifting roles of the government, the citizens and government-citizenry dynamics in the formulation and implementation of a foreign policy that promotes both national interest and cosmopolitan ideals.

POLSC 180.70

THEORIES AND ISSUES OF HUMAN SECURITY IN EAST AND SOUTHEAST ASIA

3 units

The course looks into the theoretical definitions of security and examines how traditional conceptions of security are questioned by the human security and development framework and emergent security paradigms. The course recognizes the changing environment of states particularly in the region of East and Southeast Asia and incorporates the challenges of regional integration, climate change, resource scarcity, migration, diseases and natural disasters.

POLSC 180.80

MEDIA AND GLOBALIZATION

3 units

This is a course on political science and media studies. Topics include the historical development of mass media institutions and their contemporary processes of economic, technological, political, socio-cultural change; as well as the analysis of the ideas and philosophies behind contemporary social and political debates.

POLSC 184.10

CONSTRUCTING NATIONHOOD IN SOUTHEAST ASIA

3 units

This is a study of Southeast Asia in the twentieth century, this course follows a thematic, rather than chronological, approach to the subject. It examines, in selected countries of the region, the origins and meanings of nationalist sentiments and independence movements; the dawning of a modern consciousness and its relationship to the rise of nationalism; the significance of the Japanese occupation and its aftermath; and the challenge posed by ethnic minorities to official nationalisms, and the rise of sub-nationalisms.

POLSC 184.20

PARTIES, INTEREST GROUPS, AND PUBLIC OPINION

3 units

This is a study of types and structures of political parties and interest groups, their functions in the political system, and their strategy and tactics in aggregating and articulating interests and influencing public policy and controlling power.

POLSC 184.30

POLITICAL SOCIALIZATION, COMMUNICATION, AND PARTICIPATION

3 units

This is a study of the different processes and interaction in civil society, adult participation in the political process, and flow of information between the government and citizens. The course examines the different types of political participation and the behavior of citizens and government towards and government towards these political processes.

POLSC 184.40

CITIZENSHIP

3 units

This course tries to understand citizenship, citizenship-building and democratization. Concepts and features of citizenship, evolution of the concepts, an analytical perspective on citizens' role in democratization, state-citizens relationship, and the transliteration of citizenship in the context of differing cultures and its application at the local level through civic service.

POLSC 184.50

SOCIAL MOVEMENT AND CIVIL SOCIETY

3 units

The course is a survey of the major theoretical perspectives on the study of social movements – their emergence, development, dynamics (success and demise), and impact, as well as the theoretical and empirical problems, as well as conceptual issues carried in these various perspectives or approaches.

POLSC 186.10

PHILIPPINE ELECTORAL REFORMS

3 units

This course takes a sweeping view of the electoral landscape in the Philippines post EDSA until the present: system and processes, reform agenda, national and local electoral issues using different analytical frames and enriching the Philippine experience with lessons from electoral exercises around the world.

POLSC 186.20

FILIPINO MIGRANTS AND GLOBAL HISTORY

3 units

This course discusses Philippine transborder migrations, specifically from the nineteenth century to the present, in the context of global history. It offers an overview of issues in global history and relates these to theories of migration. It analyzes the concomitants of these migrations at various levels: the individual, family and household formation, collective identities, and nation-states. Whenever possible, the course uses a comparative approach.

POLSC 186.30

ISLAM, PHILIPPINE POLITICS, AND THE BANGSAMORO STRUGGLE FOR SELF-DETERMINATION

3 units

This course focuses on Bangsamoro struggle for self-determination as it has played out in the development of Philippine history and the dynamics of Islam and Philippine politics. It looks at the role of Islam in shaping the Moro identity and in driving the struggle. The course highlights specific Philippine government policies that have further isolated the Bangsamoro People. Lastly, it examines the prospects for a peaceful resolution of the struggle.

POLSC 186.40

LEGAL ISSUES IN DEVELOPMENT

3 units

This course examines current legal issues concerning development in the Philippines. It provides a venue for the discussion of relevant economic, social, cultural, and political issues as manifested in legal controversies that accompany the process of development. With a special bias for the marginalized sectors of Philippine society, the course covers topics that include housing and urban development, agrarian reform and rural development, gender and development, labor rights, and local autonomy.

POLSC 186.50  
HUMAN RIGHTS  
3 units

This is a descriptive and analytical study of human rights as a political-legal concept and as expressed in the 1987 Philippine Constitution, including an analysis of the interaction between government, social groups and the individual regarding the exercise, promotion and protection of these rights.

POLSC 186.60  
PEACE, ENVIRONMENT, AND CIVIL SOCIETY  
3 units

The subject studies the physical environment of the Philippines and its problems in the context of underdevelopment which in turn is the “motherhood reason” for lack of genuine peace in the country. The class discusses the social problems related to environmental disasters in the various ecosystems, their effects on the people and on the regional ecosystem. Furthermore, the roles and programs of the various members of civil society involved in the peace and environment arenas is studied, hopefully in the field.

POLSC 186.70  
ADVOCACY AND LOBBYING  
3 units

The course covers the Philippine Constitution, knowledge on the legislative process in Congress and local legislative bodies, the role of the President and the Executive Branch in legislation, interest group articulation, the national budget process and trends in lobbying, preparation for congressional committee hearing, and issues on lobbying.

POLSC 186.80  
CURRENT ISSUES ON MINDANAO  
3 units

This course seeks to review and study the current issues and problems in Mindanao as a site of contested development. These problems, which cut across different sectors, include human rights violation, kinship rivalry, environmental degradation and peace crisis form a vicious circle with poverty and government neglect. Using a thematic approach, the students are introduced to these issues and get an opportunity not only at examining Mindanao’s problems but also at forming significant theses on how these problems can be resolved.

POLSC 188.10  
INTELLECTUAL PROPERTY  
3 units

This is an introduction to the entire gamut of principles, doctrines, and concepts (i.e. copyright, patents, trademark etc.) referred to as “Intellectual Property”. Contemporary issues relating to intellectual property, with special emphasis on the Philippine situation, is also covered.

POLSC 188.20  
POLITICAL MANAGEMENT  
3 units

This course introduces this concept through the discussion of campaigns and elections, lobbying, government relations, grass roots politics, fund-raising, issues management, and crisis management. It also includes handling the media, developing communications strategy, and using the new media (like Web sites) as political and communication tools. Lastly, it also means political leadership and understanding and appreciating the ethical dimensions of public life.

POLSC 188.30  
CORRUPTION  
3 units

The course tackles the anatomy of corruption – its causes, consequences, and the challenges to combat it. The variants of corruption are critically examined. The course explores how universal values of democracy

and good governance could contribute and respond to reforms that are credible and appropriate for a developing country.

#### POLSC 193

##### QUANTITATIVE METHODS IN THE SOCIAL SCIENCES

3 units

The course introduces students to the basic concepts, techniques and operations used in quantitative research for the Social Sciences. While there are various types of quantitative research designs, e.g., survey research, experiment, and content analysis, the course is designed to provide the students an understanding of how a survey research is conducted, analyzed and used.

#### POLSC 194

##### QUALITATIVE METHODS IN THE SOCIAL SCIENCES

3 units

The course is an introduction to qualitative research and how to do it. Students are introduced to the qualitative research process, beginning with a discussion of the different forms, roles and uses of qualitative research, moving through design, sampling, data collection, and analysis.

#### POLSC 197

##### DIRECTED STUDY: PRACTICUM

3 units

Prerequisites: POLSC 20, 21, 120, 121, 130, 131, 193 and 194

The course serves as a holistic learning opportunity for majors under the program of the Political Science department. Students, with the guidance of a faculty adviser, apply to different local and international host institutions for 200 hours of on-the-job training. The course seeks to provide an avenue for students to bridge theory and reality through work rendered for institutions doing work on politics, governance, or development work. The course is also an opportunity to go through the process of job-seeking and relating with others in the workplace.

#### POLSC 199

##### DIRECTED STUDY: RESEARCH

3 units

The course asks students to apply the knowledge and skills acquired throughout their education in Political Science majors through conceptualization, execution, validation, and submission of a research paper on a topic of their choice. As a capstone course, it serves as the practical application of the sources on research methods and theory that students underwent during their undergraduate years. The course is also an opportunity for students to bridge their experiences with communities or experiences during service-learning courses through the production of written output.

#### SEAS 101

##### SOUTHEAST ASIA IN-COUNTRY FIELD STUDY SUMMER PROGRAM

6 units

The course is an exposure to and immersion in the different cultures and diverse local conditions of the host Southeast Asian country. It includes cultural and language immersion, meetings with local residents, organizations, and public officials, attendance in lectures and seminar workshops, and visits to heritage sites.

#### SEAS 102

##### ASEAN-PHILIPPINES SUMMER INTERNSHIP PROGRAM

3 units

The course enables students to gain a first-hand impression of the day-to-day working environment of ASEAN-related institutions in the Philippines. Students are exposed to ASEAN-related work, e.g., policy development, political and security cooperation, culture and information, functional cooperation, and economic cooperation.

SEAS 103

COMPARATIVE ASEAN HEALTH POLICIES

3 units

This introductory course explores variations in national health policies arising from country-specific socio-political, cultural, and historical contexts. Based on a three-country (Indonesia, Philippines, and Thailand) collaborative learning engagement, the course also compares practices, policies, and institutions contributing to an evolving ASEA-level policy platform for regional health governance and cooperation.

# PSYCHOLOGY

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The Department of Psychology aims to be a leading institution of Psychology in Asia with strong and vibrant programs that develops exemplary psychologists, creates cutting-edge relevant knowledge, and engages in responsive interventions that lead to personal and social transformation.

The Department seeks to train students in Psychology as a social science and help them become skilled in the scientific method of observing, analyzing, and understanding individuals and groups in order to become competent psychologists for others. Specifically, it wishes graduates to have the following competencies: knowledge and skills in Psychology; critical thinking; ethical behavior; independent and continuous learning; cultural intelligence & sensitivity to diverse contexts; interpersonal and collaboration skills; research excellence; leadership and innovation; professionals for others; and, personal mastery.



## BACHELOR OF ARTS IN PSYCHOLOGY

The Bachelor of Arts, major in Psychology Program (AB Psychology) provides exposure to the following areas: *People Management in Diverse Settings* and/or *Psychological Health and Human Development*.

*People Management in Diverse Settings.* This track provides students with the necessary theoretical foundations and practical applications of managing people in the areas of Social Psychology and Organization Psychology. It aims to prepare them for work in various settings such as in government, corporate, non-government, and academe by offering methodologies and techniques relevant to these areas. Students in this track will develop and enhance essential skills in performing people management roles in diverse work settings.

*Psychological Health and Human Development.* This track provides students with the theoretical foundations and practical applications in the areas of Developmental Psychology and Counseling Psychology. It prepares students for work in education, psychological assessment, and interventions to promote wellness and prevent negative outcomes. Students will be able to hone facilitative and supportive skills, gain more practice in psychological assessment, and obtain exposure in developing and implementing programs for specific age groups and/or diverse populations.

		<b>FIRST YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
FLC 11	Foreign Language and Culture 11	3	PSYC 20	General Psychology	3
NatSc, 10.01	Natural Science, Lecture	3	PSYC 90.01	Psychological Statistics, Lecture	3
NatSc, 10.02	Natural Science, Laboratory	1	PSYC 90.02	Psychological Statistics, Laboratory	2
SocSc 11	Understanding the Self	3	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
THEO 11	Faith, Spirituality, and the Church	3	MATH 10	Mathematics in the Modern World	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	<b>TOTAL</b>	<b>19(2)</b>		<b>TOTAL</b>	<b>20(2)</b>

		<b>SECOND YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PSYC 21	Physiological Psychology	3	PSYC 24	Theories of Personality	3
PSYC 22	Social Psychology	3	PSYC 91.01	Experimental Psychology, Lecture	3
PSYC 23	Cognitive Psychology	3	PSYC 91.02	Experimental Psychology, Laboratory	2
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)		<b>TOTAL</b>	<b>17(2)</b>
	<b>TOTAL</b>	<b>18(5)</b>			

		<b>THIRD YEAR</b>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
PSYC 25	Developmental Psychology	3	PSYC 26	Abnormal Psychology	3

PSYC 192.01	Field Methods, Lecture	3	PSYC 27	Industrial Organizational Psychology	3
PSYC 192.02	Field Methods, Laboratory	2	PSYC 92.01	Psychological Assessment, Lecture	3
PHILO 13	Ethics	3	PSYC 92.02	Psychological Assessment, Laboratory	2
SocSc 13	The Economy, Society, and Sustainable Development	3	PHILO 12	Philosophy of Religion	3
IE 1	Interdisciplinary Elective 1 – English	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
NSTP 12	National Service Training Program	12		TOTAL	17(0)
	TOTAL	17(3)			

#### FOURTH YEAR

##### Interession

PSYC 197/50/70	Practicum/Major Elective	3
	TOTAL	3(0)

##### Units

##### First Semester

PSYC 199.1	Research in Psychology I	3
PSYC 28/50/70	Culture and Psychology/Major Elective 2	3
IE2: PSYC 50i/70i	Interdisciplinary Elective 2 – Major Elective	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
FREE ELECTIVE	Free Elective	3
	TOTAL	15(0)

##### Second Semester

PSYC 199.2	Research in Psychology II	3
PSYC 28/50/70	Culture and Psychology/Major Elective 2	3
PSYC 50/70	Major Elective 1	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)

Total Number of Academic Units: 141(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## BACHELOR OF SCIENCE IN PSYCHOLOGY

The Bachelor of Science, major in Psychology Program (BS Psychology) functions as a training ground for students who want to contribute their interests in human behavior and the natural sciences. After completing their first year, students choose whether to be in the medicine or regular track. As a pre-medicine course, this program equips the students with necessary prerequisites that will prepare them for the academic demands of medical school. Students of BS Psychology are exposed to and engaged in the scientific study of individual and group behavior. The program also prepares them for careers in business and management, teaching, psychometrics and for further specialization in the different fields of psychology.

#### FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
PHYS 25.01	General Physics I, Lecture	3	BIO 100.01	General Zoology, Lecture	3
PHYS 25.02	General Physics 1, Laboratory	1	BIO 100.02	General Zoology, Laboratory	2
PSYC 20	General Psychology	3	PSYC 90.01	Psychological Statistics, Lecture	3
MATH 10	Mathematics in the Modern World	3	PSYC 90.02	Psychological Statistics, Laboratory	2
SocSc 11	Understanding the Self	3	THEO 11	Faith, Spirituality, and the Church	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)

PHYED 1	Physical Education 1	(2)	PHYED 2	Physical Education 2	(2)
	TOTAL	19(2)		TOTAL	19(2)

**SECOND YEAR**

**Interession**

FLC 11	Foreign Language and Culture 11	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3
	TOTAL	6(0)

**First Semester**

PSYC 23	Cognitive Psychology	3
PSYC 91.01	Experimental Psychology, Lecture	3
PSYC 91.02	Experimental Psychology, Laboratory	2
ArtAp 10	Art Appreciation	3
HISTO 12	Readings in Philippine History	3
SocSc 12	The Contemporary World	3
STS 10	Science, Technology, and Society	3
PHYED 3	Physical Education 3	(2)
	TOTAL	20(2)

**Units Second Semester**

PSYC 21	Physiological Psychology	3
PSYC 22	Social Psychology	3
PSYC 24	Theories of Personality	3
NatSc, Lec	Natural Science, Lecture	3
NatSc, 2u Lab	Natural Science, 2 Units Laboratory	2
PHILO 11	Philosophy: The Human Condition	3
THEO 12	Theology of the Catholic Social Vision	3
NSTP 11	National Service Training Program 11	(3)
PHYED 4	Physical Education 4	(2)
	TOTAL	20(5)

**THIRD YEAR**

**First Semester**

PSYC 25	Developmental Psychology	3
PSYC 27	Industrial Organizational Psychology	3
PSYC 92.01	Psychological Assessment, Lecture	3
PSYC 92.02	Psychological Assessment, Laboratory	2
PHILO 12	Philosophy of Religion	3
THEO 13	A Theology of Marriage, Family, and Vocation	3
	TOTAL	17(0)

**Units Second Semester**

PSYC 26	Abnormal Psychology	3
PSYC 192.01	Field Methods, Lecture	3
PSYC 192.02	Field Methods, Laboratory	2
NatSc, Lec	Natural Science, Lecture	3
NatSc, 2u Lab	Natural Science, 2 Units Laboratory	2
PHILO 13	Ethics	3
SocSc 13	The Economy, Society, and Sustainable Development	3
NSTP 12	National Service Training Program 12	(3)
	TOTAL	19(3)

**FOURTH YEAR**

**Interession**

PSYC 197/50/70	Practicum/Major Elective	3
	TOTAL	3(0)

**First Semester**

PSYC 28	Culture and Psychology	3
PSYC 199.1	Research in Psychology I	3
NatSc 3 units	Any 3-Unit Natural Science	3
SocSc 14	Politics, Governance, and Citizenship	3
IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	18(0)

**Units Second Semester**

PSYC 199.2	Research in Psychology II	3
NatSc, Lec	Natural Science, Lec	3
NatSc, 2u Lab	Natural Science, 2 Units Lab	2
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
IE 3	Interdisciplinary Elective 3	3
FREE ELECTIVE	Free Elective	3
	TOTAL	17(0)

Total Number of Academic Units: 158(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

## COURSE OFFERINGS

PSYC 20

GENERAL PSYCHOLOGY

3 units

This course is an overview of the field of psychology with an introduction to the approaches and theories of human behavior. Scientific methods and skills, useful in formulating solutions to everyday human problems, are explored. Personal development is facilitated through classroom activities and peer interaction.

PSYC 21

PHYSIOLOGICAL PSYCHOLOGY

3 units

Prerequisite: PSYC 20

This course is a physiological approach to the study of human behavior including basic concepts and findings in neuroanatomy and biopsychology, with special emphasis on brain-body and brain-behavior relationships.

PSYC 22

SOCIAL PSYCHOLOGY

3 units

Prerequisite: PSYC 20

This course is a scientific study of human social behavior: how and why we think, feel, behave, and relate with one another in social situations. Major theories, concepts, and empirical findings in social psychology are studied. Social behavior and phenomena in the Philippine setting are also examined from the social psychological perspective.

PSYC 23

COGNITIVE PSYCHOLOGY

3 units

Prerequisite: PSYC 20

This course is a study of important cognitive abilities including sensation, perception, attention, memory and representation, language and thinking.

PSYC 24

THEORIES OF PERSONALITY

3 units

Prerequisite: PSYC 20

This course covers a survey of the major theories of personality and the theoretical and practical issues involved in the scientific study of personality formation and dynamics.

PSYC 25

DEVELOPMENTAL PSYCHOLOGY

3 units

Prerequisite: PSYC 20

This course is a study of human development throughout the lifespan in the areas of physical, social, cognitive, emotional, and moral development. Major developmental theories are tackled. Emphasis is given to the system perspective and in the interactive dimensions of human development, particularly in the Filipino setting.

PSYC 26

ABNORMAL PSYCHOLOGY

3 units

Prerequisite: PSYC 24

This course studies the concepts, theories, research findings, and methodologies that form the basis for clinical assessment and psychological intervention. Topics include the nature, cause, and possible interventions of psychological disorders; nomenclature and classifications of mental disorders; and

indigenous concepts of abnormality and abnormal behavior.

PSYC 27

INDUSTRIAL ORGANIZATIONAL PSYCHOLOGY

3 units

Prerequisite: PSYC 20

The course introduces Industrial Organizational Psychology, which is concerned with people's attitudes, behavior, cognitions, emotions, and personality at work, particularly in groups. It presents scientifically-based psychological principles and research methods utilized by industrial psychologists to improve the effectiveness and fairness of human resource management decisions.

PSYC 28

CULTURE AND PSYCHOLOGY

3 units

Prerequisite: PSYC 20

In this course, students understand human cognition, emotion, behaviors, relationships, and development as embedded in cultural contexts, with focus on Philippine and Asian cultures. Students learn about classic and contemporary theories and perspectives on culture and psychology. This includes psychological lenses of indigenous, cross-cultural, and cultural psychology. The course evaluates cultural perspectives on personality, emotions, mental health, social process, among others; and elucidates both the diverse and universal in these psychological processes.

PSYC 50

PEOPLE MANAGEMENT IN DIVERSE SETTINGS

3 units

Prerequisite: PSYC 20

This application course taken during the summer term exposes students to the different sector in which psychology is practiced as a profession, such as education, industry, medical, government, and non-governmental organizations. Students complete a total of 150 hours of practicum work in one or more of the above settings.

PSYC 50.03

LEADERSHIP AND FOLLOWERSHIP

3 units

Prerequisite: PSYC 20

This course introduces the students to the theories and concepts of leadership and followership in various organizations such as corporate, government and community. Using examples from Philippine society, the course seeks to develop in students an appreciation of the link between being a leader and follower, through the experiences of practitioners in the field. Through this course, students are expected to reflect on their individual leadership and followership positions, and evaluate how they can improve themselves and the organizations they work with.

PSYC 50.04

CONFLICT MANAGEMENT AND RESOLUTION

Prerequisite: PSYC 20

This course provides the student with introductory frameworks for the analysis, management and resolution of interpersonal and intergroup conflict. The student explores the field through the application of Organization and Social Psychological theories of conflict, case analyses, and simulations. The class seeks to enhance awareness, critical thinking, and strategic action towards conflict occurring in diverse settings such as in schools, organizations, and communities in different contexts such as political, academic, and social.

PSYC 50.05

EMPLOYEE SELECTION AND DEVELOPMENT

3 units

Prerequisite: PSYC 20

This course deepens and expands the learners' understanding of frameworks, theories, processes, and concepts on employee recruitment, selection and development that were introduced in the introductory course on industrial-organizational psychology (PSYC 27). It provides opportunities for students to learn basic capabilities needed to conduct job analysis, competency profiling, employee attraction, recruitment and, selection, and onboarding and socialization in diverse settings. It equips students with foundational skills in conducting training needs analysis, crafting learning designs, and managing training programs applicable in communities, government, schools and corporate.

PSYC 50.06

DYNAMICS OF GROUPS AND ORGANIZATIONS

3 units

Prerequisite: PSYC 20

This course prepares students to facilitate and manage groups in organizations. It enhances understanding of behaviors and processes of groups, using structured experiential learning supplemented by readings and other student-centered tools. Topics include facilitation, group process, leadership, conflict and negotiation

PSYC 50.07

STRATEGIC HUMAN RESOURCE MANAGEMENT

3 units

Prerequisite: PSYC 20

Strategic Human Resource Management is an approach to managing human resources in a way that it supports long-term business goals and outcomes with a strategic framework. It focuses on Human Resource theories, principles and concepts.

PSYC 50.08

LEADERSHIP SELECTION AND DEVELOPMENT IN ORGANIZATIONS

3 units

Prerequisite: PSYC 20

This course seeks to develop students' competencies – behaviors, knowledge and skills – in leadership selection and development in the context of organizations. Through the course, students may also get the opportunity to reflect on and develop their own leadership competencies.

PSYC 50.09

MANAGING KNOWLEDGE-BASED TRAINING

3 units

Prerequisite: PSYC 20

This course provides an overview of the training and development process in the workplace, using theories of learning and characteristics of adult learning to provide students with skills in the analysis, design, facilitation, administration and evaluation of knowledge-based training programs.

PSYC 70

PSYCHOLOGICAL HEALTH AND HUMAN DEVELOPMENT

3 units

Prerequisite: PSYC 20

This application course taken during the summer term exposes students to the different sector in which psychology is practiced as a profession, such as education, industry, medical, government, and non-governmental organizations. Students complete a total of 150 hours of practicum work in one or more of the above settings.

PSYC 70.03

PSYCHOLOGICAL INTERVENTIONS IN DIVERSE COMMUNITY SITUATIONS

3 units

Prerequisite: PSYC 20

This course introduces students to various psychological interventions used by first responders to address various types of distressing and potentially traumatic experiences (PTEs). The course grounds the students on broad perspectives in responding to crisis situations and critical incidents (e.g., natural disasters, diagnosis of terminal illnesses, mood problems, etc.) that may have a psychological impact on the individual, the family unit, or even entire communities. It features activities, videos, and discussions on various psychological reactions and possible interventions. These interventions include psychoeducation or mental health literacy, enhancing resiliency skills and tapping existing resources, Mental Health First Aid (MHFA), Psychological First Aid (PFA), and other community interventions. Students learn effective listening and facilitation skills.

#### PSYC 70.04

##### RISK, RESILIENCE, AND INTERVENTIONS IN THE YOUTH SECTOR

3 units

Prerequisite: PSYC 25

This course introduces students to theoretical perspectives and research on risk, resilience, and competence in youth. Students apply these perspectives as they learn basic skills and methods in developing and evaluating intervention programs that promote positive youth development and/or avert risk behaviors or negative outcomes (e.g. substance use, delinquency, sexual risk-taking, or mental health and adjustment problems) in family, school, and community settings. Students have an opportunity to focus on a particular youth issue of interest for a final project.

#### PSYC 70.05

##### TEACHING YOUNG CHILDREN

3 units

Prerequisite: PSYC 25

This course explores theories and principles in human development, and learning, and early childhood education, and their applications in teaching young children in school and community contexts. It provides exposure to various models of early childhood education, and introduces skills in crafting developmentally-appropriate activities to support learning and development in early childhood.

#### PSYC 70.06

##### BASIC COUNSELING PRINCIPLES AND TECHNIQUES FOR INDIVIDUAL AND GROUP SETTINGS

3 units

Prerequisite: PSYC 24

This course is designed to introduce the essential knowledge, skills, and attitudinal orientation required in the practice of counseling. It begins with a discussion of current Philippine laws on the practice of counseling psychology in the country and provides context for the succeeding topics. These topics include 1) a discussion of basic counseling principles and ethical practice, 2) an introduction to specific counseling techniques and their theoretical bases, and 3) an introduction to facilitating group processes. At the end of the course, students develop an appreciation for and gain basic skills in counseling psychology.

#### PSYC 70.07

##### MINDFULNESS-BASED INTERVENTIONS

3 units

Prerequisite: PSYC 20

This course examines the theory, research, techniques, and applications of mindfulness-based cognitive therapy (MBCT). It explores stress and psychological well-being using an Asian framework of the body-mind connection, skills in mindfulness, and theories underlying mindfulness based interventions.

#### PSYC 70.08

##### HYPNOSIS AND HYPNOTHERAPY

3 units

Prerequisite: PSYC 20

The course is a scientific investigation of hypnosis and hypnotherapy to enhance one's resources and potentials. It provides opportunities to experience hypnosis and to conduct research in various hypnotic trance applications for facilitating individual growth and or healing.

PSYC 70.09

POSITIVE PSYCHOLOGY

3 units

Prerequisite: PSYC 20

This undergraduate seminar course introduces the scientific study of topics related to positive aspects of human experience. The course examines basic areas of research and sub-disciplines in positive psychology and explores how positive psychological principles help individuals live meaningful lives.

PSYC 70.10

INTRODUCTION TO CLINICAL PSYCHOLOGY

3 units

Prerequisite: PSYC 26

This course introduces students to the roles, tasks, and to the discipline involved in the work of clinical psychologists operating in specific fields, such as forensic psychology, health psychology, and neuropsychology. It tackles a broad range of topics such as clinical skills (conducting interviews, observations, assessment, case conceptualization) as well as various approaches to intervention. Students likewise engage in discussions pertaining to cultural and ethical issues in diagnosis and classification, practice, and clinical research. At the end of the course, students are provided with adequate information about the field as they consider Clinical Psychology as a possible career.

PSYC 70.13

ASSESSMENT SKILLS AND CASE FORMULATION IN DIVERSE SETTINGS

3 units

Prerequisite: PSYC 92.01 and 92.02

This class extends knowledge gained from PSYC 92.01 and 92.02 (Psychological Assessment) by refining one's skills in assessment such as interviewing, observation, test administration, case formulation, and report writing. Students get to understand how these skills may be applied in specific contexts including industrial-organizational, educational, and clinical settings. The course employs an experiential approach and a case-based methodology in teaching, which provide a venue for the students to try their hand at these basic skills through guided case analysis and discussions, graded demonstrations, and role-playing. Lastly, the course tackles developmental and cultural issues in assessment.

PSYC 70.14

EXPRESSIVE METHODOLOGIES WHEN WORKING WITH CHILDREN AND ADOLESCENTS

3 units

Prerequisite: PSYC 25

This course aims to deepen the students' understanding of developmental theories, techniques, and strategies used when working with children and adolescents. Through lectures, discussions, and exercises, students are introduced to creative methodologies that foster positive development such as art, movement, and play. Enrichment activities and peer interactions help facilitate personal growth, and build the necessary skills when working with children and adolescents.

PSYC 70.15

UNDERSTANDING ADULTHOOD

3 units

Prerequisite: PSYC 25

This course is an introduction to adult development. It explores the theories, concepts, research findings, and issues related to the different dimensions of young, middle, and late adulthood. Interventions in supporting holistic adult development is introduced. Through classroom instruction, group facilitation, individual reflection, and program development, the students gain the following competencies: knowledge and skills in



adult development, critical thinking, ethical behaviour, research ability, interpersonal skills, leadership and innovation, and personal mastery.

PSYC 70.16

INTRODUCTION TO ASSESSMENT AND MANAGEMENT OF DEVELOPMENTAL DISABILITIES

3 units

Prerequisite: PSYC 20

This introductory course exposes students to common developmental disabilities among children and approaches to help them identify possible disabilities and appropriately deal with these children. Students shall also develop the supportive attitude needed to be advocates for special needs children.

PSYC 80.08

INTERDISCIPLINARY ELECTIVE 2 - MAJOR: DISASTER AND MENTAL HEALTH

3 units

This course provides an overview of the nature and the psychosocial impact of disasters. Learners are introduced to the mental health and psychosocial support interventions for working with disaster survivors. The class utilizes a combination of readings, discussions, lecture and simulation to build knowledge and skills in facilitating selected interventions.

PSYC 90.01

PSYCHOLOGICAL STATISTICS, LECTURE

3 units

This course introduces the students to the basic concepts and methods of descriptive and inferential statistics. It is designed to enable the student to gain the necessary knowledge, skills, and appreciation of using statistics in organizing, analyzing, and interpreting quantitative data obtained from psychological research.

PSYC 90.02

PSYCHOLOGICAL STATISTICS, LABORATORY

2 units

This course introduces the students to the basic concepts and methods of descriptive and inferential statistics. It is designed to enable the student to gain the necessary knowledge, skills, and appreciation of using statistics in organizing, analyzing, and interpreting quantitative data obtained from psychological research.

PSYC 91.01

EXPERIMENTAL PSYCHOLOGY, LECTURE

3 units

Prerequisites: PSYC 90.01, PSYC 90.02

This course deals with the philosophy and methods of science focusing on experimentation in the investigation of problems and issues in psychology. The students are expected to design and conduct experiments in psychology, write research reports, and present and defend the finding of the experiment.

PSYC 91.02

EXPERIMENTAL PSYCHOLOGY, LABORATORY

2 units

Prerequisites: PSYC 90.01, PSYC 90.02

This course deals with the philosophy and methods of science focusing on experimentation in the investigation of problems and issues in psychology. The students are expected to design and conduct experiments in psychology, write research reports, and present and defend the findings of the experiment.

PSYC 92.01

PSYCHOLOGICAL ASSESSMENT, LECTURE

3 units

Prerequisite: PSYC 24

This course is an orientation to the rudiments of psychological testing. The basic principles, methods, current trends, issues, and ethics of psychological testing are tackled. The course involves a review of the basic psychometric principles that apply to different types of psychological tests.

PSYC 92.02

PSYCHOLOGICAL ASSESSMENT, LABORATORY

3 units

Prerequisite: PSYC 24

This course is an orientation to the rudiments of psychological testing. The basic principles, methods, current trends, issues, and ethics of psychological testing are tackled. The course involves a review of the basic psychometric principles that apply to different types of psychological tests.

PSYC 192.01

FIELD METHODS, LECTURE

3 units

Prerequisites: PSYC 91.01, PSYC 91.02

This course introduces the students to qualitative and survey research in psychology using the most widely used research methods in the field. This course covers theory and epistemology behind qualitative and quantitative research, the handling of textual data, including online or internet documents, and visual data.

PSYC 192.02

FIELD METHODS, LABORATORY

2 units

Prerequisites: PSYC 91.01, PSYC 91.02

This course introduces the students to qualitative and survey research in psychology using the most widely used research methods in the field. This course covers theory and epistemology behind qualitative and quantitative research, the handling of textual data, including online or internet documents, and visual data.

PSYC 197

PRACTICUM

3 units

Prerequisite: PSYC 20

This course provides on-the-job training in the different areas of psychology. Students are assigned to various settings where they can practice their acquired psychological competencies. They are expected to fulfil 150 hours of work. In addition, students also participate in regular class discussions to help them integrate their learnings.

PSYC 199.1

RESEARCH IN PSYCHOLOGY I

3 units

Prerequisites: PSYC 192.01, PSYC 192.02

The course aims to immerse the student in the theoretical and methodological bases of scientific research by equipping the student with the knowledge and skills to design and conduct psychological research, write a research report, and evaluate other empirical research.

PSYC 199.2

RESEARCH IN PSYCHOLOGY II

3 units

Prerequisite: PSYC 199.1

This is a follow-through course to PSYC 199.1 and is the implementation and completion phase of the students' research studies. The students are expected to complete and defend results, discussion, and conclusions of their empirical research and submit well-written, scholarly, and high quality research papers.

# SOCIOLOGY AND ANTHROPOLOGY

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The Department of Sociology and Anthropology, commits itself to the University's goal to contribute to national development by forming women and men who will devote their lives to the service of their fellow individuals and, through academic excellence, mature spirituality and the promotion of justice, serve those who are in need of help, most especially the poor and powerless.

Through its training, research, and action programs, the Department instills in its students a critical understanding of mutual dependence between structure and human agency in a globalized society, as well as the ability to apply this understanding to transformation of cultural practices, especially those found in Third World societies like the Philippines. These academic skills, coupled with the value formation acquired through the University's core curriculum, are prerequisites for interpreting and acting on contemporary social forces such as the dialectic between globalization and national integration, the gross inequalities in access to power and resources among different groups, the relentless degradation of the physical environment, the growing rationalization of modern life, and the deconstructive ethos of a highly technological postmodern age.

## BACHELOR OF ARTS IN SOCIOLOGY

Students learn to use sociological and anthropological perspectives to accomplish three feats: first, to comprehend their everyday life within larger communities; second, to obtain grounding in research methodology; and third, to make sense of pressing issues that beset contemporary social worlds. With this kind of training, students acquire a critical sense of social worlds, an ability they can use to examine phenomena with scientific discipline; assess contending ideologies; offer alternative narratives on tradition, modernity, and social change; and make workable recommendations for plans and policies that enhance people's welfare.

The program prepares students for jobs with people, and about people. Its graduates, being well-equipped with a deep and broad understanding of the human condition, have several job opportunities open to them. They have the knowledge and skills needed for careers in social development, media, the business world, the academe, and the management of cultural resources. Graduates also find the social science program an excellent preparation for advanced or professional studies in anthropology, business management, development studies, economics, journalism, law, public administration, sociology, urban or regional planning, and related fields.

<b>FIRST YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
ENLIT 12	Literature: Global Voices and Encounters	3	ENGL 11	Purposive Communication	3
FILI 11	Malayuning Komunikasyon	3	FILI 12	Panitikan ng Pilipinas	3
SOCIO 101	Fundamentals of Sociology	3	SOCIO 102	Sociology of the Philippines	3
NatSc 10.01	Natural Science, Lecture	3	MATH 10	Mathematics in the Modern World	3
NatSc 10.02	Natural Science, Laboratory	1	SocSc 11	Understanding the Self	3
FLC 11	Foreign Language and Culture 11	3	THEO 11	Faith, Spirituality, and the Church	3
HISTO 11	Rizal and the Emergence of the Philippine Nation	3	INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
PHYED 1	Physical Education 1	(2)	TOTAL		18(2)
TOTAL		19(2)			

<b>SECOND YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
SOCIO 103.1	Sociological Theories I	3	SOCIO 103.2	Sociological Theories II	3
FLC 12	Foreign Language and Culture 12	3	SOCIO 192.1	Statistical Analysis for the Social Sciences	3
SocSc 12	The Contemporary World	3	ArtAp 10	Art Appreciation	3
STS 10	Science, Technology, and Society	3	HISTO 12	Readings in Philippine History	3
THEO 12	Theology of the Catholic Social Vision	3	PHILO 11	Philosophy: The Human Condition	3
FREE ELECTIVE	Free Elective	3	FREE ELECTIVE	Free Elective	3
NSTP 11	National Service Training Program 11	(3)	PHYED 4	Physical Education 4	(2)
PHYED 3	Physical Education 3	(2)	TOTAL		18(2)
TOTAL		18(5)			

<b>THIRD YEAR</b>					
<b><u>First Semester</u></b>		<b><u>Units</u></b>	<b><u>Second Semester</u></b>		<b><u>Units</u></b>
SOCIO 193.1	Quantitative Research Methods: Social Survey	3	ANTH 194.1	Qualitative Research Methods: Ethnographic Fieldwork	3

SOCIOLOGY ELECTIVE 1	Sociology Elective 1	3	SOCIOLOGY ELECTIVE 3	Sociology Elective 3	3
SOCIOLOGY ELECTIVE 2	Sociology Elective 2	3	PHILO 12	Philosophy Of Religion	3
PHILO 13	Ethics	3	THEO 13	A Theology of Marriage, Family, and Vocation	3
SocSc 13	The Economy, Society, and Sustainable Development	3	IE 1	Interdisciplinary Elective 1 – English	3
IE 2	Interdisciplinary Elective 2	3		TOTAL	15(0)
NSTP 12	National Service Training Program 12	(3)			
	TOTAL	18(3)			

#### FOURTH YEAR

<b>Interession</b>		<b>Units</b>
SOAN 197.1	Ateneo Social and Cultural Laboratory I	3
SOAN 197.2	Ateneo Social and Cultural Laboratory II	3
	TOTAL	6(0)

<b>First Semester</b>		<b>Units</b>	<b>Second Semester</b>		<b>Units</b>
SOCIO 199.1	Directed Research (Thesis) I	3	SOCIO 199.2	Directed Research (Thesis) li	3
SOCIOLOGY ELECTIVE 4	Sociology Elective 4	3	SOCIOLOGY ELECTIVE 6	Sociology Elective 6	3
SOCIOLOGY ELECTIVE 5	Sociology Elective 5	3	SOCIOLOGY ELECTIVE 7	Sociology Elective 7	3
DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3	SocSc 14	Politics, Governance, and Citizenship	3
IE 4-M ELEC	Interdisciplinary Elective – Major Elective	3	IE 3	Interdisciplinary Elective 3	3
	TOTAL	15(0)		TOTAL	15(0)

Total Number of Academic Units: 142(14)

Curriculum Effective Freshman Batch SY 2020 – 2021

### MINOR/SPECIALIZATION IN CULTURAL HERITAGE STUDIES

The Cultural Heritage program undertakes the following: (1) expose students to various domains where Filipinos have excelled whether this be Intangible Heritage (dances, epics, ethnobotany) or Tangible Heritage (architecture, moveable arts); (2) introduce students to the various fields where cultural heritage is very relevant such as entrepreneurship, tourism, and branding, and; (3) encourage the student to know well one specific aspect of cultural heritage. One consequence of this third aspect is the annual off-campus field school. This is not mandatory. This is taken by students who want to have a deeper insight into how a cultural product is experienced and used in a community.

### MINOR IN SOCIOLOGY

The Minor in Sociology program provides Ateneo students in all fields of study excellent opportunities to complement their major courses with sociological knowledge and analytical skills that are advantageous to professions requiring comprehensive and nuanced understanding of the public, complex issues and problems, personal behavior and preferences, market trends, global

developments and international relations, and creative social undertakings. Furthermore, the Minor in Sociology program deepens students' appreciation of the discipline from its introduction in SHS. It offers them a systematic program of study comprised of an introductory course in sociology, sociological theories, social survey or ethnographic research, and field research.

#### *Eligibility Requirement*

Open to all LS undergraduate students except AB SOCIO majors.

#### *Admission Requirements*

SOCSC 11      Understanding the Self  
SOCSC 12      The Contemporary World

#### *Program Curriculum*

##### Required Courses (12 units)

SOCIO 101      Fundamentals of Sociology  
Any two Theory courses from SOCIO 102 -110.99 courses  
Any one Method course from SOCIO 191 - 198.99 and ANTH 190 – 197.99 courses

##### Electives (3 units; choose one)

Any course from SOCIO 111 – 189.99  
Any course from ANTH 111 – 189.99  
Any course from SOAN 100 – 198.99

Total Number of Units for the Minor: 15 units

### COURSE OFFERINGS

ANTH 101.1  
FUNDAMENTALS OF ARCHAEOLOGY  
3 units  
Prerequisite: SocSc 11

The course introduces students to how archeological discoveries are made and inform our understanding of the vital linkages between the past and the contemporary world. The course pays attention to archaeological investigations of human-environmental interactions in deep and historic times as it journeys with students in tracing the formation of societies from our earliest origins in Africa through the evolution and global spread of anatomically modern humans, emergence of hunting-and-gathering lifeways, development of agriculture, and rise of urban centers and early states. The course offers special attention to the archaeology and consequential archaeological sites in Southeast Asia.

ANTH 102.3  
PHILIPPINE ETHNIC GROUPS  
3 units

This course explores Philippine ethnicity, the construction of identity in contemporary society, and the current debates on cultural diversity in the context of indigenous peoples. These topics are discussed within the context of politics and global concerns with regard to indigenous rights and sustainable development.

ANTH 102.4  
PHILIPPINE SOCIETY AND CULTURE  
3 units

This course is an analysis of empirical data for selected Philippine problems in the context of sociological and anthropological theoretical frameworks. The approach is multi-disciplinary and incorporates the insights of economics, political science, psychology, and other disciplines.

ANTH 102.5

CONNECTIONS AND BELONGING: AN ETHNOGRAPHIC GUIDE  
TO PEOPLES AND CULTURES IN THE PHILIPPINES

3 units

This course tracks the rich complexity of the peoples, cultures, performances, and traditions in the Philippines through ethnographic and culturally oriented resources. It covers the diverse experiences of Christian intimacy, Islamic connection and belonging, and the indigenous peoples' rootedness as they play out in everyday Philippine social relations. Through discussions and engagements with these diverse experiences, questions of Filipino identity, cultural sensitivity, contradictions, exclusion, community, sociality, flexibility, and openness to global flows of cultures are examined with an eye towards an expansive understanding of diversity, conflicts, belonging, and connections.

ANTH 102.7

THE ETHNIC CHINESE IN PHILIPPINE LIFE

3 units

This course explores the role of Chinese-Filipinos in Philippine life from pre-Hispanic times to the present. The course covers the impact and influence of the Chinese in education, religion, arts, business, and other aspects of contemporary Philippine life.

ANTH 104.4

MATERIAL CULTURE

3 units

This course studies material culture in contemporary societies. Topics include the relation between culture and economy, modern subjectivity and identity, postmodernity, materiality in everyday life, and cross-cultural flows of commodities and representations — areas within which consumption is seen as a site of active agency/identity.

ANTH 105

ETHNOGRAPHIC ANALYSIS

3 units

This course is a study of anthropological praxis to understand and critique the underlying epistemological foundations of ethnographic practice and theorizing. Emphasis is on the practice of ethnography and the analysis of ethnographic data.

ANTH 111.1

CULTURAL ANTHROPOLOGY

3 units

This course is a study of the concept of “culture” and patterns of behavior. The course presents the practical aspect of learning to understand why people think and act the way they do in order to make sense of both one's self and society.

ANTH 111.2

COMPARATIVE STUDY OF CULTURE

3 units

This course is an introduction to major themes and issues in social anthropology through lectures, ethnographies, and theoretical readings. Social anthropology, considered to be the comparative study of culture, explores thought and behavior in kinship, politics, religion, economics, and ethnic relations in contemporary societies.

ANTH 112.1  
ISSUES AND DEBATES IN PHILIPPINE ARCHEOLOGY

3 units

This course introduces the science of archeology as applied to the problem of undocumented or flawed accounts of culture and traditions from the historical and protohistorical period. The historical archeologist collects undocumented evidences from the ground and reconstructs a more detailed view of the past.

ANTH 122.1  
MARITIME ANTHROPOLOGY

3 units

This course introduces maritime anthropology which deals with the study of biological, bio-cultural, and cultural phenomena concerning human activities directly or indirectly connected to the sea. The course provides an outline of history, issues, and the state of maritime anthropological studies in the Philippines.

ANTH 122.2  
MARITIME ANTHROPOLOGIES AND HISTORIES IN SOUTHEAST ASIA

3 units

This course introduces various perspectives in the analysis of maritime culture and social processes governing maritime life in Southeast Asia. The course draws on historical, archaeological, and ethnographic materials that address issues on the relationship between ecological, symbolic, and material processes in their socio-political context.

ANTH 132.1  
POLITICAL ANTHROPOLOGY

3 units

Prerequisite: SocSc 11

This course examines power relations between the state and marginalized groups, mediated through business, civil society, and social movements. Notions of inclusive citizenship, human rights, and governance are examined in a cross-cultural context with emphasis on the anthropological perspective on the role of human agency.

ANTH 141.2  
ANTHROPOLOGY OF SOUTHEAST ASIA

3 units

Invented as a concept in 1944-45, "Southeast Asia" provides the *raison d'être* for the Association of Southeast Asian Nations. The course examines the cultural justification for assuming a unity to the region. It explores how a unique geography and three interconnected language families have led to similar patterns in kinship and gender, spirit-beliefs, cookery and architecture. At the same time it shows how the advent of four urban traditions — the Chinese, Indian, Islamic and Western — have interacted with the indigenous tradition to create distinct national cultures.

ANTH 149.1  
INTRODUCTION TO MUSEOLOGY

3 units

This course is a study of the perspectives, concepts, and contexts in the study and administration of museums.

ANTH 150  
VISUAL ANTHROPOLOGY

3 units

This course deals with visual representations used by anthropologists and other forms employed by the anthropological subject. These include pictures, films, videos, performances, art, and decoration. These representations are considered art forms in many cultures. The course combines the theory and practice of visual anthropology.



ANTH 151  
THE ANTHROPOLOGY OF PERFORMANCE

3 units

This course is a study on performance as a tool of analysis. Theories on performance and performativity are discussed to present approaches on rituals, representation, display, and practice. Three interconnected themes are considered: the anthropological dimension, the social and cultural dimensions, and performance and identity.

ANTH 160.1  
PSYCHOLOGICAL ANTHROPOLOGY

3 units

This course is a study of competing frameworks in the anthropology of the body and embodiment; identity; personhood; cognition; and emotion; including studies on the articulations and dramatizations of the self in changing socio-cultural contexts.

ANTH 168  
ANTHROPOLOGY OF HEALTH

3 units

Prerequisite: SocSc 11

The course draws student attention to the interplay of extant and evolving bio-ecological conditions and socio-cultural and power relations with wellness and illnesses. Through close examination of the interconnectedness of body, society, politics, culture, ecology and the historical antecedents of these relationships, students tackle factors influencing the rise and distribution of diseases, prevention and treatment of sickness, and the plurality of epidemiological systems across social worlds. The course pays attention to popular health cultures vis-a-vis bioscientific epidemiology, the cornerstone by which health anthropology contributes to the deepening, diversification, and enhancement of public, professional, and academic understanding of health and well-being.

ANTH 173  
ANTHROPOLOGY OF THE SENSES

3 units

Prerequisite: SocSc 11

The human senses of sight, smell, sound, touch, and taste are not only physical experiences but form the core learning of this course. Students journey through the course around sensory, embodied, and cognitive modes of experiencing cultures in the Philippines vis-à-vis the world, its political history, and place in contemporary globalization. These sensorial and reflective terms of learning offer students a more interactive means of understanding how senses shape our ideas of sameness and differences, political standpoints, and socio-economic affairs past and present.

ANTH 177.1  
ENGAGED ANTHROPOLOGY

3 units

Prerequisite: SocSc 11

How anthropologists mobilized anthropological knowledge, participatory observation methods, and immersive social practice to help solve real-world problems while advancing scientific understanding of the human condition is at the heart of this course. Student learning experience is primarily built around social research collaboratively undertaken with a partner community and social development practitioners to investigate and disentangle associable links between culture, socio-political structures, and wider global processes underpinning local issues. Moreover, the course facilitates closer scrutiny of developmental and political interventions from rights-based, decolonial, practical, and scholarly positions anchored in anthropological epistemologies.

ANTH 194.1  
QUALITATIVE RESEARCH METHODS: ETHNOGRAPHIC FIELDWORK

3 units

Prerequisites: SocSc 12

This course is an exposure to the rudiments of ethnography by taking stock of the epistemological premises, variant ways of doing, and the politics of fieldwork. Through hands-on training on the basic procedures of participant observation, key informant dialogues, and creative data collection, students experience the challenges and sensation of entering, being, and leaving the field that has long served as the enduring hallmark of the ethnographic journey.

SOAN 102.7

THE LATIN AMERICAN CULTURAL CONNECTION

3 units

The course introduces themes in the cultures of Latin America – a world with which the Philippines shares cultural affinities through religion, migration, and exchanges. It interprets everyday practices like social etiquette and public rituals, vis-a-vis family, kinship, ethnicity, race, class, gender, religion, and the state. It articulates the interplay between traditions – Amerindian, Iberian and African – and explores Filipino-Central American cultural exchanges. Students analyze Latin American films and interpret notions of the body in dance and cookery, and compare these with experiences in their own culture. The course thus unlocks a major cultural world.

SOAN 103

THEORIES OF SOCIETY

3 units

This is a survey of the classic and contemporary efforts to understand the organization and functioning of human society and to communicate this understanding in sets of related concepts. Emphasis on the works of the anthropological and sociological theorists.

SOAN 103.1

MODERN SOCIOLOGICAL AND ANTHROPOLOGICAL THOUGHT

3 units

This course studies the condition of alienation in modern society as viewed by major sociologists. Focus is on three main concerns: whether modern economic arrangements foster alienation, how society may move away from alienation, and the role sociologists assume in planning for a de-alienated society.

SOAN 103.2

ISSUES AND DEBATES IN ANTHROPOLOGICAL AND SOCIOLOGICAL THEORY

3 units

This course studies the interdependencies of self, culture, and society, utilizing various postmodern theoretical approaches and critical discourses, which are reviewed and compared with earlier approaches to self and society. Applications to Philippine society are made to detect post-structural realities in Filipino social life.

SOAN 103.5

THEORIES IN DEVELOPMENT

3 units

This course is a survey and analysis of socio-cultural, political, and economic theories of development. Topics include theoretical models such as modernization, dependency, world-system and neo-Marxist/ neo-Weberian versions; neo-functionalist theories; governance/democratization models; and postmodernist critiques.

SOAN 103.6

SOCIETY, CULTURE AND INFORMATION TECHNOLOGY

[INFORMATION TECHNOLOGY IN THE (POST)-MODERN AGE]

3 units

This course discusses the perspectives, theories, and "facts" that help us understand the forces that produce particular kinds of technologies. It examines the effects of new information technologies on people, human identity, values, and social relations, and the desire to produce and share knowledge.

SOAN 103.7

FEMINIST THEORIES

3 units

This is a survey course on the major theoretical perspectives of feminism; the interconnections between specific recommendations for change and their theoretical presuppositions; and how feminist knowledge is produced.

SOAN 112.1

FAMILY, CULTURE AND SOCIETY

3 units

This course studies the family in the context of social transformation. Using classical and contemporary theoretical perspectives, the course examines changing family and marriage practices and patterns; shifts in values, attitudes, and structures; and issues in family formation and alternative arrangements across time and space.

SOAN 120

SOCIAL CHANGE AND SOCIAL CONFLICT

3 units

This course is a study of social change through development toward equality and participation, which have been called two forms of man's dignity and freedom (Pope Paul VI, *Octogesima Adveniens*, 1971).

SOAN 123.1

CITIES AND SOCIETY

3 units

This course analyzes the constitution and reconstitution of socio-political and economic spaces and urban life through an examination of concepts and theories that inform urban studies and their application to empirical issues. Field work assignments are given for better understanding of discussions done in class.

SOAN 127.1

POLITICAL ECONOMY OF ENVIRONMENTAL RESOURCES

3 units

This course is a study of the bases of environmental resource use/access patterns and its socio-political consequences from the perspective of the political economy. These issues are located within the context of the globalization of modern socio-political and economic life.

SOAN 127.2

POLITICAL ECONOMY OF AGRARIAN CHANGE

3 units

This course is an investigation of the total system of social relationships constituting "rural societies". The environmental, economic, political, and cultural aspects are discussed and evaluated to locate the transformative processes constituting the social life of the "peasantry" within the framework of political economy.

SOAN 129.3

THIRD WORLD DEVELOPMENT: ISSUES AND MEANINGS

3 units

This course studies the meaning of Third World development through sociology's humanistic tradition, from the legacies of Marx, Fromm, Weber, Durkheim, Scheler, and Habermas. Topics also include the role of globalization and high-technology; and the definitions of strategies of participation, integrated development, autonomy, and sustainability.

SOAN 129.4

URBAN COMMUNITY DEVELOPMENT

3 units

This course is an analysis of Western and Asian urban problems, the slum as a social and cultural system, the process of urban community development, methods and techniques of planned social change, and community leadership.

SOAN 131.1

RELIGION, CULTURE AND SOCIETY

3 units

This course is a study of religion as it exists within a socio-cultural matrix, and conversely, religion's influence on culture. Discussions include religious discourse as coloring contemporary politics, the Philippines characterized as suffering from a "split-level Christianity", and the Philippines as being culturally schizophrenic.

SOAN 131.3

MUSLIM SOCIETIES IN SOUTHEAST ASIA

3 units

This course examines Islam as a living religious tradition of people reacting to their societal environment and to the tensions of the modern world. Topics include the impact of Muslim revivalism, Muslim separatist movements, and similarities and differences of selected Muslim communities in Asia.

SOAN 137.1

SEX, CULTURE, AND SOCIETY

3 units

This course is a study of sexuality as a socially and culturally constructed behavior, focusing on how it is acquired and reproduced in everyday life; how it is experienced within and among different groups; and how it is connected to social, political, and economic systems.

SOAN 133.1

LAW, CULTURE AND SOCIETY

3 units

This course is a study of the influence of the socio-cultural matrix upon legal processes, including the reverse movement: the impact of the legal process upon the socio-cultural matrix.

SOAN 138.2

GENDER AND DEVELOPMENT

3 units

Prerequisite: SocSc 11

This course interrogates how gender implicates socio-economic development processes in the Global South. Starting from a survey of key theories and practical issues surrounding the nexus of gender, development, and power; the course summons learners to take a feminist lens in evaluating the asymmetrical impact of social policies, programs, and socio-political changes on people by virtue of their gendered disposition. The course concludes by calling students to critically examine how gender dispositions simultaneously shaped and are being shaped by the outcomes of diverse developmental processes such as globalization, governance, poverty, reproductive health, environmental issues, and conflicts.

SOAN 138.3

GENDER, WORK, SEXUALITY AND VIOLENCE

3 units

This course is a systematic study of related themes in women's lives – work, sexuality, and violence – and the ways in which they are engendered. Materials are drawn from feminist and other relevant writings, and discussions focus on both the theoretical/conceptual and the methodological.

SOAN 138.5

ETHNICITY, CLASS AND GENDER IN EAST AND SOUTHEAST ASIA

3 units

This course studies contemporary issues in Southeast Asia and East Asia, with a view of the diversity of cultures in the region, processes of governance, environmental change, and industrialization that have resulted in rapid, and sometimes profound, change with respect to ethnicity, class, and gender.

SOAN 139.1

TRANSNATIONAL MIGRATION: GENDER, CULTURE, AND IDENTITIES

3 units

This course introduces current theories and contemporary debates on transnational migration. It explores identity formation among Filipino migrants in relation to the intersections of culture, 'race', and gender, as well as the impact of institutions and discourse on shaping agencies and potentialities.

SOAN 139.2

FILIPINO MIGRANTS AND GLOBAL HISTORY

3 units

Prerequisite: Socsc 11

This course discusses Philippine transborder migrations, specifically from the nineteenth century to the present, in the context of global history. It offers an overview of issues in global history and relates these to theories of migration. Whenever possible, the course uses a comparative approach.

SOAN 140.1

GLOBALIZATION, LOCALITIES AND IDENTITIES

3 units

This course is a study of consumption and the transformation of identities as important components of the cultural process, examining the intersection between the local and the global.

SOAN 141.2

JAPANESE SOCIETY AND CULTURE I

3 units

This course is a survey of Japan, its history, culture, and people from a historical and socio-anthropological approach, with a view of Japanese culture through concepts like kinship, worldview, and notions of self and person.

SOAN 141.3

JAPANESE CULTURE II

3 units

Prerequisite: SOAN 141.2

This is a course designed for students with a good knowledge of Japanese historical development. This multidisciplinary course provides a comprehensive view of contemporary Japan, its problems, trends, and prospects as a world power. Emphasis is on Japanese geography, history, culture, customs and mores, economy, education, religion, language, literature, and arts.

SOAN 141.4

INTRODUCTION TO CHINESE SOCIETY

3 units

Prerequisite: SocSc 11 or SocSc 12

This course is a study on the ethnographic and sociological contexts of rural people/peasants. Focus is on the social structure, culture, environment, and political economy in the context of the State and globalization. Programs aimed at enhancing the lives of rural people are also reviewed.

SOAN 142.1

ENVIRONMENT AND BEHAVIOR

3 units

This course discusses basic ecological concepts currently used yet often poorly understood. The course utilizes case studies to clarify feedback relationships between particular societies and their environment, and then proposes practical research strategies for students to use in conducting anthropological fieldwork with an ecological orientation.

SOAN 143.1

LITERATURE, CULTURE AND SOCIETY

3 units

This course is a sociological exploration of a variety of texts as products of a socio-historical process. It identifies the ways texts engage society dialectically to enable students to approach Philippine texts using methods other than those traditionally employed in other forms of literary analysis.

SOAN 144.1

EDUCATION AND SOCIAL AND CULTURAL REPRODUCTION: PERSPECTIVE AND CRITIQUES

3 units

This course introduces students to the main concepts and theories comprising the field of sociology of education. It employs different sociological perspectives in examining in a nuanced manner the relationship among education, power, knowledge, and the state while mainly offering a conceptual analysis and criticism of social reproduction in education prevalent in both local and global contexts. It also endeavors to encourage and enable students to advance new directions for theoretical and empirical research in the context of Southeast Asia.

SOAN 148

INTRODUCTION TO CULTURAL HERITAGE

3 units

This course introduces cultural heritage as an asset in the global competition between nations, cities, ethnicities. Heritage, whether tangible (e.g. architecture) or intangible (e.g. dance), generates both pride and identity. Heritage also fosters new ideas. It re-invents traditional styles to create unique, up-to-date global fashions. Preserving heritage, however, involves re-imagining modernity and strengthening both state and community. For instance, community-based tourism makes heritage profitable without commodifying it, while a community-and-state partnership can help brand products and develop unique niches for them in the global market.

SOAN 148.1

INTANGIBLE HERITAGE, ORALITY, MEMORY AND CREATIVITY

3 units

This course examines our intangible heritage, particularly our oral literature. Focus is on Filipino epics from the Ateneo de Manila's collection, the largest collection in the entire country.

SOAN 148.2

HERITAGE, IDENTITY AND BRANDING

3 units

The course introduces the importance of cultural heritage vis-à-vis global challenges and affirmations of identity, whether national, ethnic or city-centered. It surveys the various forms of tangible and intangible heritage and discusses options for preserving them, given Philippine realities. It tackles issues in community-based tourism and heritage branding – such as building a country image and protecting the name of a unique product's place of origin. Experiences such as field work, field trips, and organizing a heritage event are key learning activities. Students choose their own projects and conceive of heritage-inspired yet contemporary products.

SOAN 148.4

CULTURAL HERITAGE MANAGEMENT

3 units

Prerequisite: SocSc 11

This course exposes students to the art and science of managing the delicate balance between the demands of contemporary development on one hand and safeguarding past material and living cultures for the present and future generations on the other. Under close supervision, the course offers students hands-on opportunities in working with experts, cultural bearers, and culture industry agents in the management of heritage research, conservation, and transmission. Students also earn the chance to take part in the mobilization of intellectual, practical and logistical resources enabling a heritage safeguarding project.

SOAN 155.1

CULTURE, BUSINESS AND CHANGE

3 units

The course shows how culture and business intersect on several levels: an organization has its own internal culture; a business organization is located within a cultural milieu; sensitivity to customers' preferences helps business in selling products; and a society's culture influences the rules of the game of business. Through familiarity with ethnographies and other empirical studies on the intersections between business and culture, the student develops another perspective on business operations and learns about the importance of openness to meaningful change.

SOAN 155.2

MARKETING, BUSINESS VENTURES, AND CULTURE

3 units

This course develops Cultural Entrepreneurship and provides the students a theoretical framework as well as processes, strategies, tools, techniques, and examples in searching for and discovering suitable markets, locating initial customers, and formulating viable business models and strategies that can be validated in the market, given limited resources and competition. Students apply the lessons they learn to the startup business they are developing to market culturally-inspired products.

SOAN 168

HEALTH, CULTURE, AND SOCIETY

3 units

This course explores the cultural, social, and psychological underpinnings of health, sickness, and healing, in various contexts. Topics include illness representations; personhood and suffering; the dynamics of power; sickness and therapy; and the production, reproduction, and legitimation of authoritative knowledge.

SOAN 170.1

FOOD, CULTURE AND SOCIETY

3 units

This course is a discussion on food as central to political strategies of nation states and households; as marker of social differences, boundaries, bonds, and contradictions; and as an enactment of gender, family, and community relationships.

SOAN 173

CULTURE AND THE SENSES

3 units

This course introduces the varied aspects of cultural heritage. Two alternative ways are explored in the course: 1) look for and appreciate the grammar of major human artifacts; and 2) identify the hallmarks of the Filipino sensibility as manifested by vernacular terms and particular artifacts.

SOAN 180.11

TOPICS IN SOCIOLOGY AND ANTHROPOLOGY: TEACHING THE SOCIAL SCIENCES

3 units

This is a lecture-workshop course on the strategies for teaching the social sciences. Emphasis is on the conceptual approach and the interdisciplinary method in teaching the elements of the social sciences. The course covers the curriculum system, which includes learning objectives, contents, strategies, and evaluation.

SOAN 191.1  
REPORT WRITING IN THE SOCIAL SCIENCES

3 units

This is a course on planning and writing a social research report, with emphasis on the social survey. Workshop techniques are employed.

SOAN 191.2  
PRESENTATIONAL SKILLS FOR THE SOCIAL SCIENCES

3 units

This is a seminar on the use of voice, body, and mind to communicate ideas in the social sciences at the classroom, conferences, meetings, lectures, forums, and related public assemblies.

SOAN 197.1  
ATENEO SOCIAL AND CULTURAL LABORATORY I

3 units

This is a six-unit field research course in which students conduct an independent study in the Philippines or overseas, investigate different social and cultural landscapes, analyze sociocultural issues linked to the host community or country, and pursue options for disseminating and utilizing research results.

SOAN 197.2  
ATENEO SOCIAL AND CULTURAL LABORATORY II

3 units

This is a six-unit field research course in which students conduct an independent study in the Philippines or overseas, investigate different social and cultural landscapes, analyze sociocultural issues linked to the host community or country, and pursue options for disseminating and utilizing research results.

SOAN 197.9  
PRACTICUM I

3 units

Prerequisites: ANTH 194.1 and SOCIO 192.1

Students undertake research for practical training in this application course. Focus is on the social survey, a research approach widely used in the social sciences. Students go through the survey process from conceptualization to report writing, and finally, to the presentation of findings.

SOAN 197.10  
PRACTICUM II

3 units

Prerequisites: ANTH 194.1 and SOCIO 192.1

This application course focuses on the qualitative approaches to field research in the social sciences. It is problem-oriented, encouraging students to engage in contemporary Philippine societal issues as they participate in the design and implementation of specific projects.

SOAN 197.11  
GUIDED RESEARCH IN TECHNOLOGY AND CULTURAL STUDIES

3 units

In this course students engage in the process of social scientific knowledge production via the writing of a research proposal, going on fieldwork, validation techniques (e.g., class presentations), and the writing of a research report. Students choose from two areas of inquiry: the social shaping of technology and cultural heritage. The course is organized around lectures on the methods and methodology of technological and cultural studies and student presentations of the current state of their research projects.

SOCIO 101  
FUNDAMENTALS OF SOCIOLOGY

3 units



This is an introduction to the central concepts, perspectives, and practices of sociology as the systematic study of society. It shows how three major social forces – culture, structure, and social institutions – influence our thoughts and actions, and how we humans, acting as individuals and members of groups, reproduce and transform these same social forces.

SOCIO 102  
SOCIOLOGY OF THE PHILIPPINES

3 units

This is a critical discussion of selected contemporary social issues in the Philippines using sociological perspectives, theories, and social science research methods.

SOCIO 103  
SURVEY OF SOCIAL THEORIES

3 units

Prerequisite: SocSci 11

This course is a study of theories of societies developed in the disciplines of anthropology and sociology in the 19th and 20th centuries, with a discussion of the theorists within their historical milieu, as well as their contribution to the social sciences.

SOCIO 103.1  
SOCIOLOGICAL THEORIES I

3 units

Prerequisite: SOCIO 101, or SocSci 11 and SocSci 12

This is a survey of the works of classical social theorists (e.g., Marx, Weber, and Durkheim) that explains the key ideas and the contexts in which they emerged, and their appropriateness in the analysis of contemporary social problems or issues.

SOCIO 103.2  
SOCIOLOGICAL THEORIES II

3 units

Prerequisite: SOCIO 101, or SocSci 11 and SocSci 12

This is an introduction to major contemporary sociological theories and frameworks, many of which, in response to the social realities of a particular historical period and/or space, elaborate on the theoretical foundations set forth by Sociology's most influential thinkers.

SOCIO 104  
SOCIOLOGICAL ANALYSIS

3 units

Prerequisite: SOCIO 103

This course discusses the concepts, approaches, and themes of sociological inquiry; beginning with the philosophical origins of sociology and ending with its ascendancy as a major social science discipline. The course discusses how these approaches view social reality from different yet complementary points of view.

SOCIO 114.2  
INDUSTRIAL AND OTHER COMPLEX ORGANIZATIONS

3 units

This course is a study of the structures and processes of industrial and other large scale formal bureaucracies, including the effects on various factors, such as the well-being of organizational participants, worker organizations, and productivity.

SOCIO 115.2  
SOCIAL CLASS AND STRATIFICATION

3 units

This course is an introduction to the structured social inequality – the alternative theories, historical bases, and consequences for social life, especially as these apply to the Philippines. Focus is on the forces surrounding inequalities in wealth, status, and power in Philippine society.

SOCIO 115.3

CLASS AND SOCIETY

3 units

This course is a study of the structure of objective economic inequality in capitalist society through the perspective of class, with the view of economic relations as producing distinct economic classes. The approach is compared to other theoretical perspectives on social and economic inequality.

SOCIO 116

SOCIOLOGY OF INEQUALITY

3 units

Prerequisite: SocSc 11

This course examines the core sociological question of how a few people amassed immense wealth and power more than others. It enquires why opportunities are considerably stacked against significant segments of society. Furthermore, the course studies the social processes and hierarchies of power that produce and reproduce wide resource distribution gaps, paying closer attention to the advantages and disadvantages systematically accorded to people by virtue of their class, status, ethnicity, race, gender, age, and citizenship. How the great imbalances in political, trading, inter-cultural relations between nation-states implicate unequal relations in a locality are also subjects of interest to the course.

SOCIO 116.3

SOCIOLOGY OF THE ELITE

3 units

This course examines the historical-structural bases of the formation and behavior of the elites in Philippine society. Students do ethnographic, survey, and community studies or genealogies/ life histories of individuals and their families/networks, focusing on particular aspects of class/state formation and behavior.

SOCIO 117.2

DEVIANCE AND SOCIAL CONTROL

3 units

This course is a discussion of sociological theories of deviance that link norm violations and the resulting reactions to social contexts. Emphasis is given to social change and other factors as key elements in creating and amplifying deviance.

SOCIO 118.1

CRIME AND DELINQUENCY

3 units

This is a lecture/field exposure course on criminology, the sociological study of “rule-breaking.” Criminality is examined from two sociological angles, as a form of deviant behavior, and as an issue of social justice. The course combines critiquing of existing theoretical materials in criminology with practical applications.

SOCIO 119.1

CONTEMPORARY SOCIAL PROBLEMS

3 units

This is a seminar course on the socio-political construction, resolution, and maintenance of social problems in contemporary society. The course examines the major theoretical frameworks – structural-functionalist, conflict/political economy, and interpretive perspectives – utilized in the analysis and understanding of contemporary social problems.

SOCIO 121.2  
RURAL SOCIETIES

3 units

Prerequisite: SocSc 11

This course is a study on the ethnographic and sociological contexts of rural people/peasants. Focus is on the social structure, culture, environment, and political economy in the context of the State and globalization. Programs aimed at enhancing the lives of rural people are also reviewed.

SOCIO 125.1  
SOCIOLOGY OF SCIENCE AND TECHNOLOGY

3 units

This course is an introduction to social and cultural studies of science and technology, particularly on the sociological ways of understanding how science, technology, and society interact to shape our worlds.

SOCIO 132.1  
SOCIOLOGICAL PERSPECTIVES ON POLITICS IN SOUTHEAST ASIA

3 units

This course introduces students to the main concepts and theories comprising the field of political sociology. It uses different sociological paradigms in analyzing the dynamics of power relations between state and society in Southeast Asia while highlighting the inevitably contentious nature of everyday politics. Among the specific topics that may be selected for in-depth examination are state formation and governance, political processes, violence and the state, civil society, collective identity and action, citizenship, and political transformations which include democratization, fragmentation, and globalization.

SOCIO 135.1  
SOCIOLOGY OF SOCIAL MOVEMENTS

3 units

Prerequisite: SocSc 11

This course pursues how and why people create broad alliances to advocate or oppose socio-political and economic change agenda through violent, pacifist, and creative means of assertions. Drawing from scholarly analysis of sectoral and issue-based advocacy movements, the course introduces students to conditions fomenting the rise, mainstreaming, and unravelling of social movements. Furthermore, the course exposes students to the strategies and tactics of conventional social movements such as the peasantry, labor, and youth on the one hand and the emergence of new social movements between the spaces of resistance and revolutions on the other.

SOCIO 138.1  
GENDER RELATIONS

3 units

This course discusses the historically specific forms that relations between women and men take in a given society. Topics include gender identity, sexuality, traffic in women, sexual offenses, a historical analysis of women's subordination, the economy and the family-household system, and gender and the Church.

SOCIO 168  
SOCIOLOGY OF HEALTH

3 units

Prerequisite: SocSc 11

This course dissects the critical social forces determining the health of individuals, groups and larger societal groupings, taking into account the impact of socio-economic globalization and how local relations, practices, and processes work. The course underscores the increasing connectedness of health issues around the world and across localities, illustrating their entanglements with individual and social beliefs about health and lifestyle choices. Through these interwoven frames of understanding, students learn of sociological approaches to the analysis of health institutions, medical organizations, and epidemiological knowledge in relation to structures of power, economic patterns, and societal behaviour.

SOCIO 192.1

STATISTICAL ANALYSIS FOR THE SOCIAL SCIENCES

3 units

Prerequisite: MATH 10

This course is an introduction to statistics as a research tool for assessing social phenomena, focusing on univariate and bivariate measures, both descriptive and inferential.

SOCIO 192.2

ADVANCED STATISTICAL ANALYSIS FOR THE SOCIAL SCIENCES

3 units

Prerequisite: SOCIO 192.1

This course introduces multivariate statistical analysis for social research. Emphasis is on the understanding and application of statistical operations rather than on the computation of these statistics. Students must be familiar with a statistical package or software. The SPSS/PC package is used extensively in class.

SOCIO 193.1

QUANTITATIVE RESEARCH METHODS: SOCIAL SURVEY

3 units

Prerequisite: SOCIO 192.1

This is an introduction to the concepts and methods to analyze social problems and issues using quantitative research methods; in particular, survey research, including survey administration.

SOCIO 193.2

QUANTITATIVE DATA ANALYSIS

3 units

Prerequisite: SOCIO 192.1

This is a workshop-style course on the analysis, interpretation, and presentation of survey data using univariate, bivariate, and multivariate statistical techniques. Using existing data sets, students select a research topic, construct an analytical framework, and proceed with data analysis and interpretation.

SOCIO 194

QUALITATIVE METHODS IN THE SOCIAL SCIENCES

3 units

This course is an analysis of anthropological and sociological works, focusing on the claims and conclusions presented, the research methods used, and the different theoretical approaches employed. The skills needed for qualitative data collection are developed by designing and implementing research projects.

SOCIO 199.1

DIRECTED RESEARCH I

3 units

Pre-requisites: ANTH 194.1 or SOCIO 192.1; SOCIO 103.1 or SOCIO 103.2

The first of a two-part Integrative course in independent research under the guidance of a thesis adviser which involves the preparation of a research proposal specifying a problem and conceptual framework, and a research design.

SOCIO 199.2

DIRECTED RESEARCH II

3 units

Prerequisite: SOCIO 199.1

The second of a two-part integrative course in independent research under the guidance of a thesis adviser which involves the preparation of a thesis.

# APPENDICES

## SONG FOR MARY

*Music by Capt. Jose Campana*  
*Lyrics by Rev. James B. Reuter, S.J.*

We stand on a hill  
Between the earth and sky;  
Now all is still  
Where Loyola's colors fly;  
Our course is run  
And the setting sun,  
Ends Ateneo's day.  
Eyes are dry at the last goodbye  
This is the Ateneo way.

*Refrain:*

Mary for you,  
For your white and blue,  
We pray you'll keep us, Mary,  
Constantly true.  
We pray you'll keep us, Mary,  
Faithful to you.

Down from the hill,  
Down to the world go I,  
Rememb'ring still,  
How the bright blue eagles fly.  
Through joys and tears,  
Through the laughing years,  
We sing our battle song.  
Win or lose, it's the school we choose,  
This is the place where we belong.

(Repeat Refrain)

# CAMPUS MAP



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