



# **Curriculum & Academic Regulations**

**2022**

**Underwood International College**  
<http://uic.yonsei.ac.kr>

The contents of this booklet are subject to change without prior notice, and are applicable to UIC students only.

## *Academic Calendar 2022*

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<b>2022</b>	<b>February</b>	01 Tue – 02 Wed 03 Thu 14 Mon – 18 Fri 18 Fri – 24 Thu 21 Mon 22 Tue	Lunar New Year holidays * Application for Leave of Absence begins Course Enrollment Period for 2022 Spring Semester Tuition Payment Period for 2022 Spring Semester (Continuing Students) Winter Commencement Returning Application due
	<b>March</b>	01 Tue 02 Wed 04 Fri – 08 Tue 09 Wed 11 Fri – 15 Tue 15 Tue 14 Mon – 18 Fri	Independence Movement Day * 1st Day of Class for 2022 Spring Semester Course Add and Drop Period Presidential Election Day * Additional Tuition Payment Period for 2022 Spring Semester Application for General Leave of Absence (for full tuition refund) due Application for Early Graduation
	<b>April</b>	20 Wed – 26 Tue 27 Wed – 29 Fri 27 Wed – 03 Tue	Midterm Examinations Course Withdrawal Period Application Period for Affiliation Change
	<b>May</b>	02 Mon – 04 Wed 05 Thu 14 Sat 16 Mon	Application for S/U Evaluation Children's Day * Yonsei University Foundation Day Two-thirds of the Semester ends Application for General Leave of Absence (Enrolled Students) due
	<b>June</b>	01 Wed 02 Thu 06 Mon 08 Wed – 14 Tue 15 Wed – 21 Tue 16 Thu – 24 Fri	Local Election Day * Application for Leave of Absence for Illness due Memorial Day * Period for Self Study and Make up Classes Final Examinations Application for Major and Double Major(UIC)
	<b>July</b>		
	<b>August</b>	01 Mon 12 Fri – 19 Fri 15 Mon 19 Fri – 25 Thu 23 Tue 26 Fri	Application for Leave of Absence begins Course Enrollment Period for 2022 Fall Semester Independence Day * Tuition Payment Period for 2022 Fall Semester Returning Application due Summer Commencement

\* National holidays

## Academic Calendar 2022

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<b>2022</b>	<b>September</b>	01 Thu	1st Day of Class for 2022 Fall Semester
		05 Mon - 07 Wed	Course Add and Drop Period
		08 Thu - 14 Wed	Additional Tuition Payment Period for 2022 Fall Semester
		09 Fri - 12 Mon	Chuseok (Korean Thanksgiving) Holidays *
		14 Wed	Application for General Leave of Absence (for full tuition refund) due
		14 Wed - 20 Tue	Application for Early Graduation
	<b>October</b>	03 Mon	National Foundation Day *
		09 Sun	Hangul Proclamation Day *
		10 Mon	Substitute Holiday for Hangul Proclamation Day *
		20 Thu - 26 Wed	Midterm Examinations
		27 Thu - 31 Mon	Course Withdrawal Period
		27 Thu - 02 Wed	Application Period for Affiliation Change
	<b>November</b>	01 Tue - 03 Thu	Application for S/U Evaluation
		14 Mon	Two-thirds of the Semester ends Application for General leave of Absence (Enrolled Students) due
	<b>December</b>	01 Thu	Application for Leave of Absence for Illness due
		08 Thu - 14 Wed	Period for Self Study and Make up Classes
		15 Thu - 21 Wed	Final Examinations
		19 Mon - 27 Tue	Application Period for Major and Double Major(UIC)
		22 Thu	Winter Break begins
		25 Sun	Christmas *
<b>2023</b>	<b>January</b>	01 Sun	New Year's Day *
		21 Sat - 23 Mon	Lunar New Year holidays *
	<b>February</b>	01 Wed	Application for Leave of Absence begins
		13 Mon - 17 Fri	Course Enrollment Period for 2023 Spring Semester
		17 Fri - 23 Thu	Tuition Payment Period for 2023 Spring Semester
		22 Wed	Returning Application due
		27 Mon	Winter Commencement

\* National holidays

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# Underwood International College

Underwood International College is a highly selective four-year liberal arts college that serves as an intimate, elite setting within the larger institution of Yonsei University, Korea's premier research-oriented private university. All instruction is conducted in English to facilitate the enhanced presence of multicultural and multinational perspectives on campus. The college is open to students of all nationalities and is devoted to educating future global leaders and democratic citizens. UIC boasts an innovative English-only curriculum that seeks a balance between a rigorous liberal arts foundation and diverse, often interdisciplinary, majors.

Since its founding in 1885 by American missionaries, Yonsei University has taken a leading role in the internationalization of Korean higher education. UIC takes its name from the founding Underwood family, and acknowledges its origins as the first modern institution of higher learning in Korea while standing at the forefront of our rapidly changing, increasingly global society. Yonsei's educational philosophy emphasizes the nurturing of leaders who will contribute to their communities in the service of truth and freedom. UIC is groundbreaking among Korean universities in instituting an English-only liberal arts program that occupies the status of an autonomous college within the university. By bringing together visiting and permanent faculty from Ivy League-level universities from around the world, and drawing upon top faculty talent from within Yonsei University, UIC educates creative, critical, and independent thinkers who will take their place on the international stage.

In addition to providing a top-rate education, UIC also aims to generate a vibrant, truly multinational, yet uniquely East Asian community for our students. Within its broadly based liberal arts education, UIC also draws upon the rich and distinguished tradition of Korean Studies at Yonsei. Our curriculum capitalizes on UIC's distinctive location as a crossroads of East Asia, bringing together students and faculty interested in East Asian Studies and offering a Korean Studies minor. UIC students will be encouraged to take advantage of the opportunities offered by the close partnerships with peer institutions in China, Japan, and other Asian countries. UIC students can also take part in Yonsei's extensive exchange program, with the option of spending a year in any of over 600 institutions in 60 countries. UIC's strong affirmation of its East Asian roots, along with its commitment to excellence in the liberal arts, creates an intellectual meeting point for East and West. Offering a distinctive English-based education, and drawing upon a truly international student body, UIC helps define a new paradigm for liberal arts education.

## **Mission Statement: Educational Goals**

Our educational goals are to bring together students from diverse, multinational, multiethnic backgrounds, and to provide them with a world-class education that will emphasize the following qualities:

### **1. Creative and Critical Thinking**

- Independent analysis and empathetic understanding based on critical reasoning
- Problem-solving abilities
- Effective communication skills

### **2. Democratic Citizenship**

- Dedication to public service
- Tolerance, civility, and a respect for diversity
- Responsible civic participation

### **3. Global Leadership**

- Informed and balanced understanding of international affairs
- Regional and global engagement on the basis of cosmopolitan values
- Capacity for building ties between East Asian and other cultural traditions

## **The UIC Advantage**

1. **An intimate setting:** UIC offers a low student/faculty ratio that enables close contact with top-rate faculty drawn from within Yonsei and from other world-class institutions
2. **An expansive research institution:** UIC students have full access to the infrastructure and rich resources provided by a first-rate research-oriented institution
3. **A truly international experience:** the UIC community consists of a multicultural and multinational environment, sharing the linguistic medium of English
4. **A lively and vibrant urban culture:** Yonsei University is located in the heart of Seoul and Incheon, Korea. Both are energetic metropolises that offer an eclectic mix of traditional heritage and cosmopolitanism



**Curriculum, 2022**



## Curriculum Overview

Underwood International College offers students a distinctive curriculum within Yonsei University, taking advantage of the university's vast resources while providing UIC students with a uniquely designed interdisciplinary program and privileged access to premier visiting and permanent faculty.

During a UIC student's four years at Yonsei, the student will take part in the UIC Common Curriculum, will select a major and a minor (optional), and will be encouraged to participate in a year abroad program. The student may also write a Senior Thesis that caps the UIC experience. The UIC Common Curriculum will serve as the foundation of every UIC student's education, and the major and the minor will provide additional specialization in a particular academic discipline. While the Common Curriculum, based primarily in the first and second years, will form the backbone of UIC's distinctive curriculum, students will continue to take UIC seminars and courses throughout their Yonsei career to form a shared UIC base. For their electives, UIC students have the choice of taking introductory courses for UIC majors, elective courses offered by UIC, or branching out into the general Yonsei curriculum, depending upon the student's preference.

The UIC Common Curriculum is a focused liberal arts grouping of courses. These courses, most of which are open exclusively to UIC students, bring the UIC community together in a shared set of courses regardless of eventual department of specialization. Since UIC occupies the unique position of an "international college" within a larger university framework, this set of courses permits students to share a common curriculum and common interests with their UIC peers.

UIC freshmen entering in 2011 and thereafter must complete the first year curriculum on the International Campus and reside in the International Campus Residence Hall during that period. In the first year, students will take most of their courses within the UIC Common Curriculum, which includes required courses in Chapel (0.5 credit) and a course on "Understanding Christianity" in keeping with Yonsei's founding spirit. "Freshman Writing Intensive Seminar," "Western Civilization," "Eastern Civilization," and "Critical Reasoning" will also make up the first-year curriculum. Students who entered in 2011 and thereafter are also required to take "Residential College (RC)" courses. Students also have the option of taking "World Literature," "World History", or "World Philosophy" in the first year or may take them later in their sophomore year and fill their remaining credit-hours with Electives. Underwood Division Life Science and Biotechnology (UD LSBT) students and Integrated Science and Engineering (ISE) Division students will take introductory science courses in the first year. Underwood Division (UD) Humanities and Social Sciences students, and Humanities, Arts, and Social Sciences Division (HASS) students are required to take language courses to fulfill the foreign language requirement. UD Humanities and Social Sciences students and HASS Division students will also be required to take one Science Literacy and Research Design course.

In the second year, students will continue their UIC Common Curriculum training with a course in either "Critical Reasoning," or "World Literature," "World History," "World Philosophy," and a "UIC Seminar." The student's most important academic pursuit in the second year, however, will be tied to the student's selection of a major and a minor (optional). UIC provides three divisions Underwood Division, Humanities, Arts, and Social Sciences Division, and Integrated Science and Engineering Division. Underwood Division offers four humanities and social sciences based majors (Comparative Literature and Culture, Economics, International Studies, Political Science and International Relations) and Life Science and Biotechnology. Humanities, Arts, and Social Sciences Division consists of eight majors: Asian Studies, Culture and Design Management, Information and Interaction Design, Creative Technology Management, Justice and Civil Leadership, Quantitative Risk Management, Science, Technology, and Policy and Sustainable Development and Cooperation. Integrated Science and Engineering Division consists of three majors: Nano Science and Engineering, Energy & Environmental Science and Engineering, and Bio-Convergence. Students admitted as Underwood Division LSBT students and Asian Studies Division students will be automatically designated as LSBT majors and AS majors respectively when they are entering their 2nd year. Underwood Division Humanities and Social Sciences students will have the option of choosing from among four majors: Comparative Literature and Culture (CLC), Economics (ECON), International Studies (IS) and Political Science and International Relations (PSIR). Students admitted as HASS Division may choose one of the eight majors including Asian Studies (AS), Culture and Design Management (CDM), Information and Interaction Design (IID), Creative Technology Management (CTM), Justice and Civil Leadership (JCL), Quantitative Risk Management (QRM), Science, Technology, and Policy (STP), and Sustainable Development and Cooperation (SDC). Integrated Science and Engineering Division students may choose one of the three majors within the division: Nano Science and Engineering (NSE), Energy & Environmental Science and Engineering (ESEE), and Bio-Convergence (BC). Students may also choose a minor from the above 16 majors, plus Korean Studies if they wish.

For upperclassmen who will be studying mostly in their major departments of choice, the UIC Seminar will keep students in touch with their UIC peers and faculty, as well as provide opportunities to engage in in-depth explorations of selected topics. While students are encouraged to take as many as they like, CLC, ECON, IS, and PSIR majors must take a minimum of four UIC Seminars. This minimum number can only be reduced if students participate in a Yonsei University approved semester-long exchange or study abroad program. If a student spends one semester on exchange or visiting student program, the minimum number of UIC Seminars is reduced to three. If a student spends two semesters on exchange, then the number goes down to two. Under no other circumstances will the minimum number of four UIC Seminars be reduced, and CLC, ECON, IS and PSIR majors will not be able to graduate until they fulfill this requirement. LSBT, AS, CDM, IID, CTM, JCL, QRM, STP, SDC, NSE, EESE and BC majors are required to take a minimum of 2 UIC Seminars without any exceptions.

During the final semester, UIC students who want to enhance their research and writing skills should consider writing an optional Senior Thesis under the intensive direction of a faculty member of their choice.

Overall, the UIC curriculum holds as its goal a liberal arts education during the first year to serve as a foundation for future study, seminars to encourage further intellectual pursuit within the UIC setting, and a senior thesis to culminate the undergraduate career. The majors provide specialization, and opportunities for study abroad will help round out the personal development of every UIC student. These components comprise the cornerstone of the UIC Curriculum.

## ■ Science Literacy and Research Design Requirement

Underwood Division Humanities and Social Sciences (CLC, ECON, IS, PSIR), Humanities, Arts, and Social Sciences Division (AS, CDM, IID, CTM, JCL, QRM, STP, SDC) students admitted in 2014 and thereafter are required to take one Science Literacy and Research Design course (3 credits): this will be a required course and will not be double-counted toward other requirements. The course “History of Science and Technology” will not satisfy World History Group I for students admitted in 2014 and thereafter. Courses fulfilling the Science Literacy and Research Design requirement include those listed below, as well as other courses to be determined later.

COURSE CODE	COURSE TITLE	CR
UIC2151	RESEARCH DESIGN AND QUANTITATIVE METHODS	3
UIC1541	HISTORY OF SCIENCE & TECHNOLOGY	3
UIC1918	INTRODUCTION TO THE SCIENCE OF THE MIND	3
UIC1502	SOCIAL COGNITION	3
UIC1920	SCIENCE IN CONTEXT	3
UIC1751	SCIENCE IN SOCIETY	3
MAT1001	CALCULUS AND VECTOR ANALYSIS(1)	3
PHY1001	GENERAL PHYSICS AND LABORATORY(1)	3
CHE1001	GENERAL CHEMISTRY AND LABORATORY(1)	3
BIO1001	GENERAL BIOLOGY AND LABORATORY(1)	3
MAT1002	CALCULUS AND VECTOR ANALYSIS(2)	3
PHY1002	GENERAL PHYSICS AND LABORATORY(2)	3
CHE1002	GENERAL CHEMISTRY AND LABORATORY(2)	3
BIO1002	GENERAL BIOLOGY AND LABORATORY(2)	3

## ■ Study Abroad

From the fourth semester or third year of study, students are encouraged to participate in Yonsei University's study abroad program. During this program, students can take courses that count toward fulfilling their major/minor requirements as well as electives.

## ■ Korean Studies Minor

All UIC students may pursue a minor in Korean Studies to acquire a balanced understanding of Korean society. Requirements for the Korean Studies minor include 18 credit-hours (six courses) in courses whose primary focus is on Korea, of which 3 credit-hours (one course) may be taken from Korean Studies courses conducted in Korean.

Students whose native language is not Korean are required to take 2 semesters of Korean language or pass the Korean Proficiency test administered by UIC by the time of completion of the minor. However, no course can be counted towards both a major and a Korean Studies minor even if the course is listed under UIC major and Korean Studies minor.

## ■ The Underwood International College Creative Writing Certificate

The Underwood International College Creative Writing Program offers a Creative Writing Certificate for undergraduates in any major who complete a significant number of courses in the field. This certificate will be seen by prospective employers and graduate programs, including MFA programs.

Attaining a Creative Writing Certificate will enhance the resumes of UIC graduates who wish to pursue graduate studies in MFA programs or programs in literature and the humanities. In addition to drawing attention to UIC's strengths in the liberal arts and its status as one of the very few institutions in Asia to offer creative writing courses, students from majors outside the Humanities (such as ECON, LSBT, NSE, EESE, BC) who attain the certificate will benefit by demonstrating evidence of wider intellectual and artistic interests than their counterparts from other institutions.

Students may earn a creative writing certificate by satisfying the following requirements:

1. Achieving a minimum B average in four creative writing courses, which include the following genres and areas:
  - poetry, fiction, non-fiction (nature writing & memoir), literary translation, and play and screenwriting.
  - a) of the four required courses, students must complete at least one course in poetry, one in fiction, and one in one of the remaining three areas (either non-fiction or literary translation or play and screenwriting);
  - b) a maximum of two 2000-level (or lower) creative writing courses may count toward the certificate;
2. Submitting a manuscript/portfolio in a specific area for evaluation according to the approximate guidelines:
  - a) poetry: 30 pages (collection)
  - b) fiction: 50 pages (novella, multiple short stories, or novel excerpt)
  - c) non-fiction: 50 pages (essay or series of essays, book excerpt)
  - d) translation: 60-100 pages (poetry collection, short stories, novella, novel excerpt)
  - e) play/screenplay: 60-90 pages(series of plays, full play, full 30-minute screenplay for television, complete act of a play or feature-length film)
3. Submitting a formal application prior to the start of the student's last semester to Professor Loren Goodman, Director of Creative Writing Program. Students graduating in February 2012 and thereafter will be eligible for the Certificate.

## Residential College Requirements

All UIC students are required to live in the Residential College at Yonsei International Campus in their first year.

## [Underwood Division]

### ■ Credits

The minimum requirement for a bachelor's degree of 2022 freshmen must be earned as follows:

	Common Curriculum	Major		Others (Minor 18)	Total
Humanities & Social Science	33~39 <sup>1)</sup> +3 <sup>3)</sup>	Major (Double Major)	42 (36+36)	48~42	126
LSBT	24	Major (Double Major)	57 (36+36)	36+18 <sup>2)</sup> = 54	135

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There's no fixed number of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements.

1) The number of Common Curriculum credits can differ depending upon whether or not the student takes a year abroad. Students are required to take 4 UIC Seminars, but students are allowed to take electives instead of UIC seminars while studying abroad. If a student is away for one semester on exchange, the number of UIC Seminars to be taken is reduced to 3. If a student is away for two semesters of exchange, the number goes down to a minimum of 2. Courses with course code of UIC35(XX) and UIC36(XX) are UIC Seminars.

2) Basic Science Course Requirement

Basic Science Requirements will be fulfilled by taking any 6 courses from Calculus I & II, Physics I & II, Chemistry I & II and Biology I & II. It can also be retroactively applied for students admitted before 2017. Students admitted before 2017 who have already fulfilled the previous requirements are not affected by the revised requirement.

\* LSBT minors have to take General Biology and Laboratory I, II.

3) Language Requirement

A. Requirement

Students must take 1 course (3 credits) from Language and Arts course of UIC or 1 course (3 credits) from Non-UIC Foreign Language courses (including both elective and major courses)

Students are eligible to receive Foreign Language requirement waivers if they submit certain level of proficiency test results (Korean, Chinese, Japanese, German, French, Russian, Spanish, etc.)

\* Korean Language Institute (KLI), Foreign Language Institute (FLI) courses, College English (YCC1XXX) courses, SIGN LANGUAGE (YCF1652) are not included.

\* This revision of Foreign Language requirement is not applicable to AS major students

B. Standardized Test Passing Scores for Exemption (students admitted in 2019 and thereafter only)

Language	Standardized Test Result
Korean (Non-Korean Students Only)	TOPIK level 3 ~ 6
Chinese	新 HSK 4 级 Main test ---Level 4 with HSK Speaking test certificate (Intermediate Level) 新 HSK 5 级 Main test ---Level 5 (At least 180 or higher) with HSK Speaking test certificate (Advanced Level) 新 HSK 6 级 Main test ---Level 5 (At least 180 or higher) with HSK Speaking test certificate (Advanced Level)
Japanese	JLPT Level 2 (N2), Level 1 (N1)
French	DELTA B2 DALF C1, C2
German	SD2 gut, sehr gut ZD B1, B2, C1, C2 3(befriedigend), 2(gut), 1(sehr gut)
Spanish	DELE B1, B2, C1, C2
Russian	TORFL 2, 3, 4

### C. UIC Language course list

COURSE CODE	COURSE TITLE	CR
UIC1804	BEGINNING KOREAN (1)	3
UIC1805	BEGINNING CHINESE (1)	3
UIC1806	BEGINNING JAPANESE (1)	3
UIC1808	BEGINNING KOREAN(2)	3
UIC1809	BEGINNING CHINESE (2)	3
UIC1810	BEGINNING JAPANESE (2)	3
UIC2302	INTERMEDIATE KOREAN(1)	3
UIC2306	INTERMEDIATE JAPANESE(1)	3
UIC2307	INTERMEDIATE CHINESE(1)	3
UIC2310	INTERMEDIATE KOREAN(2)	3
UIC2311	INTERMEDIATE CHINESE(2)	3
UIC2312	INTERMEDIATE JAPANESE(2)	3
UIC3201	ADVANCED KOREAN	3
UIC3202	ADVANCED CHINESE	3
UIC3203	ADVANCED JAPANESE	3
UIC3204	ADVANCED KOREAN READING	3
UIC3205	ADVANCED CHINESE READING	3
UIC3206	ADVANCED JAPANESE READING	3
UIC3207	ADVANCED KOREAN WRITING	3

#### 4) Others

- Students can choose to take courses conducted in Korean as long as they fulfill all UIC degree requirements for both the Common Curriculum and their major.
- However, all first-year UIC students should take 15 credits per semester within the UIC course offerings. Students may take one or more courses within the general Yonsei University curriculum except for University College English courses for credits over 15.

### ■ Declaring Major and Minor

Underwood Division Humanities and Social Sciences students admitted in 2012 and thereafter can select one of the following 4 majors at the end of the first year:

- Comparative Literature and Culture
- Economics
- International Studies
- Political Science and International Relations

Underwood Division Life Science and Biotechnology students admitted in 2012 and thereafter do not need to declare the major and will be automatically designated as LSBT majors at the end of their first year. Students admitted as LSBT majors cannot change their first major within UIC.

Students may also choose a second major or a minor (optional). A second major or a minor can be selected from any of the majors offered at Yonsei University, except for a few majors such as medicine, dentistry, nursing, etc. Students can apply for their second major after they complete their third semester until the semester prior to the final semester (the semester before their graduating semester). Students can apply for a minor through the portal system when applying for graduation before entering into their eighth semester.

### ■ Sample Curriculum Chart

<Underwood Division Humanities and Social Sciences students admitted in 2022>

Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Freshman	Chapel (0.5) <i>Understanding Christianity</i> (3) <i>Western Civilization or Eastern Civilization</i> (3) <i>Yonsei RC101</i> (1) Intro to Major or CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy Course or Language (9-12)	16.5 ~ 19.5 *	Chapel (0.5) <i>Freshman Writing Intensive Seminar</i> (3) <i>Eastern Civilization or Western Civilization</i> (3) Intro to Major or CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy Course or Language (12)	18.5	35~38
Sophomore	Chapel (0.5) CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy Course (6) Major x 3 = (9) Minor x 1 = (3)	18.5	Chapel (0.5) UIC Seminar (3) CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods (3) Major x 3 = (9) Minor x 1 = (3)	18.5	37
Junior	UIC Seminar (3) Major x 3 = (9) Minor x 2 = (6)	18	Exchange Program Major x 2 = (6) Minor x 1 = (3) Electives x 1 or 2 = (3~6) <i>If at Yonsei: UIC Seminar(3)</i>	12~15	30~33
Senior	Exchange Program Major x 2 = (6) Minor x 1 = (3) Electives x 1 = (3) <i>If at Yonsei: UIC Seminar(3)</i>	12	Senior Thesis: Independent Study (3) Major x 1 = (3) Electives x 2 = (6)	12	24
Total	UIC Common Curriculum (33-39) + 3* (Language) Major (42) Minor (18)* Electives (flexible)*				Min. 126

\* L-H-P = Literature, History and Philosophy

\* Course titles in italics are required, usually in the semester specified. Other course titles given constitute a recommended or a "sample" course plan.

\* Taking a minor is optional. If you decide not to take a minor, you may take extra elective credits to replace the 18 minor credits.

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There are no fixed numbers of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements (UD Humanities and Social Sciences: 126 credits, UD LSBT: 135 credits)

**<Underwood Division Life Science and Biotechnology students admitted in 2022>**

Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Freshman	Chapel (0.5) <i>Understanding Christianity</i> (3) <i>Yonsei RC101</i> (1) <i>Science Electives x 4 = (12)</i> Electives (0~3)	16.5~19.5	Chapel (0.5) <i>Freshman Writing Intensive Seminar</i> (3) <i>Western Civilization or Eastern Civilization</i> (3) <i>Science Electives x 2 = (6)</i> CC L-H-P Series (3) Electives (3)	18.5	35~38



Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Sophomore	Chapel (0.5) Major x 3 = (9) Minor x 2 = (6) Critical Reasoning or Research Design & Quantitative Methods (3)	18.5	Chapel (0.5) UIC Seminar (3) Major x 3 = (9) Minor x 1 = (3) Electives (3)	18.5	37
Junior	UIC Seminar (3) Major x 4 = (12) Minor x 1 = (3)	18	Exchange Program Major x 3 = (9) Electives x 2 = (6)	15	33
Senior	Exchange Program Major x 3 = (9) Minor x 1 = (3) Electives x 1 = (3)	15	Major x 3 = (9) Minor x 1 = (3) Electives x 1 = (3)	15	30
Total	UIC Common Curriculum (24) Science Electives (18) Major (57) Minor (18)* Electives (Flexible)*				Min. 135

\* L-H-P = Literature, History and Philosophy

\* Course titles in *italics* are required, usually in the semester specified. Other course titles given constitute a recommended or a "sample" course plan.

\* Taking a minor is optional. If you decide not to take a minor, you may take extra elective credits to replace the 18 minor credits.

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There are no fixed numbers of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements (Humanities and Social Sciences: 126 credits, LSBT: 135 credits).

## ■ Common Curriculum

### <Required Common Curriculum Courses for Underwood Division students admitted in 2022>

	UD Humanities & Social Sciences	UD LSBT
Courses	Chapel x 0.5 x 4	Chapel x 0.5 x 4
	Understanding Christianity x 3	Understanding Christianity x 3
	Freshman Writing Intensive Seminar x 3	Freshman Writing Intensive Seminar x 3
	CC L-H-P Series x 6	CC L-H-P Series x 3
	Science Literacy Course or Research Design and Quantitative Methods x 3	Critical Reasoning or Research Design and Quantitative Methods x 3
	Language x 3*	UIC Seminars x 6
	Critical Reasoning x 3	Western Civilization or Eastern Civilization x 3
	UIC Seminars x 6~12	Yonsei RC101 x 1
	Western Civilization x 3	Basic Science Courses x 18
	Eastern Civilization x 3	
	Yonsei RC101 x 1	
Total	33~39 + 3*	24 + 18

[HASS Division: Asian Studies]

■ Credits

The minimum requirement for a bachelor's degree must be earned as follows:

	Common Curriculum	Major		Others* (Minor 15)	Total
2012 Asian Studies Division	32+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	46	126
2013 Asian Studies Division	30+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	48	126
2014 Asian Studies Division	33+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	45	126
2015 Asian Studies Division	35+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	43	126
2016~2017 Asian Studies Division	35+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	43	126
2018~2019 Asian Studies Division	34+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	44	126
2020~2022 Asian Studies Division	33+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	45	126

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There are no fixed numbers of elective credits as long as the students fulfill all the CC, major (Double Major/Minor) requirements and the overall graduation requirements.

1) Language Requirements

Language (6 credits): Asian Studies majors must take 2 semesters of one foreign language.

All Korean heritage speakers, regardless of citizenship, are required to take either Chinese or Japanese in order to fulfill the language requirements. If you are a Korean heritage speaker and wish to take Korean as a foreign language, you are required to have an assessment interview with the program director prior to registration. Please contact Foreign Language Program Director to arrange an interview.

☐ Korean

Target students	Non-native, non-heritage speakers of Korean	
Curriculum	Asian Studies	Beginning Korean I, II, Intermediate Korean I, II Advanced Korean I, II

☐ Japanese / Chinese

Target students	Students whose first language is Korean and Korean heritage speakers.	
Curriculum	Asian Studies	Beginning Japanese I, II, Intermediate Japanese I, II Advanced Japanese I, II Beginning Chinese I, II, Intermediate Chinese I, II Advanced Chinese I, II

## ■ Declaring Major and Minor

Asian Studies students will be automatically declared as Asian Studies majors at the end of their first year, and cannot change their first major within UIC.

Students may also choose a second major or a minor (optional). A second major or a minor can be selected from any of the majors offered at Yonsei University, except for a few majors such as medicine, dentistry, nursing, etc. Students can apply for their second major after they complete their third semester until the semester prior to the final semester (the semester before their graduating semester). Students can apply for a minor through the portal system when applying for graduation before entering into their eighth semester.

## ■ Sample Curriculum Chart

<Asian Studies students admitted in 2022>

Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Freshman	Chapel (0.5) <i>Freshman Writing Intensive Seminar</i> (3) <i>Western Civilization</i> (3) <i>Language</i> (3) <i>Yonsei RC101</i> (1) CC L-H-P Series (3~6) <i>Introduction to Asian Studies</i> (3)	16.5~ 19.5*	Chapel (0.5) <i>Understanding Christianity</i> (3) Critical Reasoning (3) <i>Language</i> (3) <i>Eastern Civilization</i> (3) CC L-H-P Series (3~6)	15.5~ 18.5	32~38
Sophomore	Chapel (0.5) Major (ASP L-H-P Series) = (6) <i>Research Design and Quantitative Methods</i> (3) or <i>Science Literacy Course</i> UIC Seminar (3) Minor or Electives x 2 = (6)	18.5	Chapel (0.5) Major (ASP L-H-P Series) = (6) Major x 1 (3) UIC Seminar (3) Minor or Electives x 2 = (6)	18.5	37
Junior	Major x 3 = (9) Minor or Electives x 2 = (6)	15	Exchange Program Major x 2 = (6) Minor or Electives x 1 = (3) Electives x 1 or 2 = (3~6)	12~ 15	27~30
Senior	Exchange Program Major x 2 = (6) Minor or Electives x 1 = (3) Electives x 1 = (3)	12	Senior Thesis: GPA 3.7 req (3) Major x 1 = (3) Electives x 2 = (6)	12	24
Total	UIC Common Curriculum (33) Major (42) Language (6) Electives (Flexible)				Min. 126

\* L-H-P = Literature, History and Philosophy

\* Course titles in italics are required, usually in the semester specified. Other course titles given constitute a recommended or "sample" course plan.

\* Taking a minor is optional. If you decide not to take a minor, you may take extra elective credits to replace the 18 minor credits.

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There's no fixed number of elective credits as long as the students fulfill all the CC, major (Double Major/Minor) requirements and the overall graduation requirements (Asian Studies: 126 credits).

## ■ Common Curriculum

<Required Common Curriculum Courses for Asian Studies students admitted in 2022>

Courses	Chapel x 0.5 x 4
	Understanding Christianity x 3
	Freshman Writing Intensive Seminar x 3
	CC L-H-P Series x 6
	Language x 6*
	Science Literacy Course or Research Design and Quantitative Methods x 3
	Critical Reasoning x 3
	UIC Seminars x 6
	Western Civilization x 3
	Eastern Civilization x 3
	Yonsei RC101 x 1
Total	33 + 6* (language: 6 credits)

[HASS Division: Culture and Design Management(CDM), Information and Interaction Design(IID), Creative Technology Management(CTM), Justice and Civil Leadership(JCL), Quantitative Risk Management(QRM), Science, Technology, and Policy(STP), Sustainable Development and Cooperation(SDC)]

## ■ Credits

The minimum requirement for a bachelor's degree must be earned as follows:

- CDM, IID, CTM

	Common Curriculum	Major		Others* (Minor 18)	Total
2013 Techno-Art Division	33+6 <sup>1)</sup>	Major (Double Major)	45 (36+36)	42	126
2014 Techno-Art Division	33+6 <sup>1)</sup>	Major (Double Major)	45 (36+36)	42	126
2015 Techno-Art Division	35+6 <sup>1)</sup>	Major (Double Major)	45 (36+36)	40	126
2016~2017 Techno-Art Division	38	Major (Double Major)	45 (36+36)	43	126
2018 Techno-Art Division	37	Major (Double Major)	45 (36+36)	44	126
2019 CDM, IID, CTM	34+3 <sup>1)</sup>	Major (Double Major)	45 (36+36)	44	126
2020~2022 CDM, IID, CTM	33+3 <sup>1)</sup>	Major (Double Major)	45 (36+36)	45	126

- JCL, QRM, STP, SDC

	Common Curriculum	Major		Others* (Minor 18)	Total
2014 Integrated Social Sciences Division	33+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	45	126
2015 Integrated Social Sciences Division	35+6 <sup>1)</sup>	Major (Double Major)	42 (36+36)	43	126
2016~2017 Integrated Social Sciences Division	38	Major (Double Major)	42 (36+36)	46	126
2018 Integrated Social Sciences Division	37	Major (Double Major)	42 (36+36)	47	126
2019 JCL, QRM, STP, SDC	34+3 <sup>1)</sup>	Major (Double Major)	42 (36+36)	47	126
2020~2022 JCL, QRM, STP, SDC	33~36 <sup>1)</sup> +3 <sup>2)</sup>	Major (Double Major)	42 (36+36)	48	126

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There are no fixed numbers of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements.

- 1) QRM major students have to take Introduction to Statistics from the UIC electives, though this course is not counted for the QRM major credits. (Please refer to the graduation requirements for details.)

2) Language Requirement

A. Requirement

Students must take 1 course (3 credits) from Language and Arts course of UIC or 1 course (3 credits) from Non-UIC Foreign Language courses (including both elective and major courses)

Students are eligible to receive Foreign Language requirement waivers if they submit certain level of proficiency test results (Korean, Chinese, Japanese, German, French, Russian, Spanish, etc.)

\* Korean Language Institute (KLI), Foreign Language Institute (FLI) courses, College English (YCC1XXX) courses, SIGN LANGUAGE (YCF1652) are not included.

\* This revision of Foreign Language requirement is not applicable to AS major students

B. Standardized Test Passing Scores for Exemption (students admitted in 2019 and thereafter only)

Language	Standardized Test Result
Korean (Non-Korean Students Only)	TOPIK level 3 ~ 6
Chinese	新 HSK 4 级 Main test ---Level 4 with HSK Speaking test certificate (Intermediate Level) 新 HSK 5 级 Main test ---Level 5 (At least 180 or higher) with HSK Speaking test certificate (Advanced Level) 新 HSK 6 级 Main test ---Level 5 (At least 180 or higher) with HSK Speaking test certificate (Advanced Level)
Japanese	JLPT Level 2 (N2), Level 1 (N1)
French	DELTA B2 DALF C1, C2
German	SD2 gut, sehr gut ZD B1, B2, C1, C2 3(befriedigend), 2(gut), 1(sehr gut)
Spanish	DELE B1, B2, C1, C2
Russian	TORFL 2, 3, 4

C. UIC Language course list

COURSE CODE	COURSE TITLE	CR
UIC1804	BEGINNING KOREAN (1)	3
UIC1805	BEGINNING CHINESE (1)	3
UIC1806	BEGINNING JAPANESE (1)	3
UIC1808	BEGINNING KOREAN(2)	3
UIC1809	BEGINNING CHINESE (2)	3
UIC1810	BEGINNING JAPANESE (2)	3
UIC2302	INTERMEDIATE KOREAN(1)	3
UIC2306	INTERMEDIATE JAPANESE(1)	3
UIC2307	INTERMEDIATE CHINESE(1)	3
UIC2310	INTERMEDIATE KOREAN(2)	3
UIC2311	INTERMEDIATE CHINESE(2)	3
UIC2312	INTERMEDIATE JAPANESE(2)	3
UIC3201	ADVANCED KOREAN	3
UIC3202	ADVANCED CHINESE	3
UIC3203	ADVANCED JAPANESE	3
UIC3204	ADVANCED KOREAN READING	3
UIC3205	ADVANCED CHINESE READING	3
UIC3206	ADVANCED JAPANESE READING	3
UIC3207	ADVANCED KOREAN WRITING	3

2) Others

- Students can choose to take courses conducted in Korean as long as they fulfill all UIC degree requirements for both the Common Curriculum and their major.
- However, all first-year UIC students should take 15 credits per semester within the UIC course offerings. Students may take one or more courses within the general Yonsei University curriculum except for

University College English courses for credits over 15.

## ■ Declaring Major and Minor

Students admitted as HASS Division can select any of the following 8 majors at the end of their first year:

- Asian Studies
- Culture and Design Management
- Information and Interaction Design
- Creative Technology Management
- Justice and Civil Leadership
- Quantitative Risk Management
- Science, Technology, and Policy
- Sustainable Development and Cooperation

Students may also choose a second major or a minor (optional). A second major or a minor can be selected from any of the majors offered at Yonsei University, except for a few majors such as medicine, dentistry, nursing, etc. Students can apply for their second major after they complete their third semester until the semester prior to the final semester (the semester before their graduating semester). Students can apply for a minor through the portal system when applying for graduation before entering into their eighth semester.

### ■ Sample Curriculum Chart

<CDM, IID, CTM students admitted in 2022>

Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Freshman	Chapel (0.5) Freshman Writing Intensive Seminar (3) <i>Western Civilization or Eastern Civilization (3)</i> <i>Language(3)</i> <i>Yonsei RC101 (1)</i> CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) Major x 1 or 2 = (3~6)	16.5~ 19.5	Chapel (0.5) Understanding Christianity(3) <i>Eastern Civilization or Western Civilization (3)</i> CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) Major 1 or 2 = (3~6) Electives x 1 or 2 = (3~6)	15.5~ 18.5	32~38
Sophomore	Chapel (0.5) CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) Major x 2 = (6) Electives x 2 or 3 = (6~9)	15.5~ 18.5	Chapel (0.5) UIC Seminar (3) CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) Major x 2 = (6) Electives x 1 or 2 = (3~6)	15.5~ 18.5	31~37
Junior	UIC Seminar (3) Major x 3 = (9) Electives x 2 = (6)	18	Exchange Program Major x 3 = (9) Electives x 1 or 2 = (3~6)	12~ 15	30~33
Senior	Exchange Program Major x 3 = (9) Electives x 1 or 2 = (3~6)	12~ 15	Major x 2 = (6) Electives x 1 or 2 = (3~6)	9~12	21~27
Total	UIC Common Curriculum (33) + 3* (Language) Major (45) Electives (Flexible)*				Min. 126

<JCL, QRM, STP, SDC students admitted in 2022>

Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Freshman	Chapel (0.5) Freshman Writing Intensive Seminar (3) <i>Western Civilization or Eastern Civilization (3)</i> <i>Language(3)</i> CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) <i>Yonsei RC101 (1)</i> Major x 1 or 2 = (3~6)	16.5~ 19.5	Chapel (0.5) <i>Understanding Christianity(3)</i> <i>Eastern Civilization or Western Civilization (3)</i> CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) Major x 1 or 2 = (3~6) Electives x 1 = (3)	15.5~ 18.5	32~38
Sophomore	Chapel (0.5) CC L-H-P Series or Critical Reasoning	15.5~ 18.5	Chapel (0.5) UIC Seminar (3)	15.5~ 18.5	31~37



Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
	or Research Design & Quantitative Methods or Science Literacy (3) Major x 3 = (9) Electives x 1 or 2 = (3~6)		CC L-H-P Series or Critical Reasoning or Research Design & Quantitative Methods or Science Literacy (3) Major x 2 = (6) Electives x 1 or 2 = (3~6)		
Junior	UIC Seminar (3) Major x 3 = (9) Electives x 2 = (6)	18	Exchange Program Major x 3 = (9) Electives x 2 = (6)	15	33
Senior	Exchange Program Major x 3 = (9) Electives x 2 = (6)	15	Major x 2 = (6) Electives x 1 or 2 = (3~6)	9~12	24~27
Total	UIC Common Curriculum (33~36) + 3* (Language) Major (42) Electives (Flexible)*				Min. 126

\* L-H-P = Literature, History and Philosophy

\* Course titles in italics are required, usually in the semester specified. Other course titles given constitute a recommended or "sample" course plan.

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There's no fixed number of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements.

## ■ Common curriculum

### <Required Common Curriculum Courses for HASS Division students admitted in 2022>

Courses	Chapel x 0.5 x 4
	Understanding Christianity x 3
	Freshman Writing Intensive Seminar x 3
	CC L-H-P Series x 6
	Language x 3*
	Science Literacy Course or Research Design and Quantitative Methods x 3
	Critical Reasoning x 3
	UIC Seminars x 6
	Western Civilization x 3
	Eastern Civilization x 3
	Yonsei RC101 x 1
Total	33~36+3*

## [Integrated Science and Engineering Division]

### ■ Credits

The minimum requirement for a bachelor's degree must be earned as follows:

	Common Curriculum	Major		Others* (Minor 18)	Total
2014~2015 Integrated Science and Engineering Division	24	Major (Double Major)	57 (36+36)	36+18 <sup>1)</sup> = 54	135
2016~2017 Integrated Science and Engineering Division	26	Major (Double Major)	57 (36+36)	34+18 <sup>1)</sup> = 52	135
2018~2019 Integrated Science and Engineering Division	25	Major (Double Major)	57 (36+36)	35+18 <sup>1)</sup> = 53	135
2020~2022 Integrated Science and Engineering Division	24	Major (Double Major)	57 (36+36)	36+18 <sup>1)</sup> = 54	135

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There are no fixed numbers of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements.

#### 1) Basic Science Course Requirement

- ISED students should take a minimum of 18 credits from basic science courses: Choose at least six courses from Calculus and Vector Analysis I&II, General Physics and Laboratory I & II, General Chemistry and Laboratory I & II, and General Biology and Laboratory I & II.

#### 2) Others

- Students can choose to take courses conducted in Korean as long as they fulfill all UIC degree requirements for both the Common Curriculum and their major.
- However, all first-year UIC students should take a minimum of 15 credits per semester within the UIC course offerings. Students may take one or more courses within the general Yonsei University curriculum except for University College English courses for credits over 15.

### ■ Declaring Major and Minor

Integrated Science and Engineering Division students can select one of the following 3 majors at the end of the first year:

Nano Science and Engineering  
Energy & Environmental Science and Engineering  
Bio-Convergence

Students may also choose a second major or a minor (optional). A second major or a minor can be selected from any of the majors offered at Yonsei University, except for a few majors such as medicine, dentistry, nursing, etc. Students can apply for their second major after they complete their third semester until the semester prior to the final semester (the semester before their graduating semester). Students can apply for a minor through the portal system when applying for graduation before entering into their eighth semester.

### ■ Sample Curriculum Chart

<Integrated Science and Engineering Division students admitted in 2022>

Year	First Semester		Second Semester		Total
	Course	CR	Course	CR	
Freshman	Chapel (0.5) <i>Freshman Writing Intensive Seminar</i> (3) <i>Yonsei RC101</i> (1) <i>Science Electives</i> x 3 = (9) Electives (4)	17.5	Chapel (0.5) <i>Understanding Christianity</i> (3) <i>Western Civilization or Eastern Civilization</i> (3) <i>Science Electives</i> x 3 = (9) Electives (2)	17.5	35
Sophomore	Chapel (0.5) Major x 3 = (9) CC L-H-P Series (3) Electives (6)	18.5	Chapel (0.5) UIC Seminar (3) Major x 3 = (9) Critical Reasoning or Research Design & Quantitative Methods (3) Electives (3)	18.5	37
Junior	UIC Seminar (3) Major x 4 = (12) Electives = (3)	18	Exchange Program Major x 3 = (9) Electives x 2 = (6)	15	33
Senior	Exchange Program Major x 3 = (9) Electives x 2 = (6)	15	Major x 3 = (9) Electives x 2 = (6)	15	30
Total	UIC Common Curriculum (24) Science Electives (18) Major (57) Electives (Flexible)*				Min. 135

\* L-H-P = Literature, History and Philosophy

\* Course titles in italics are required, usually in the semester specified. Other course titles given constitute a recommended or "sample" course plan.

\* Elective credits can be flexible depending on whether students opt for a double major and/or a minor, etc. There are no fixed numbers of elective credits as long as the students fulfill all the CC, Major (Double Major/Minor) requirements and the overall graduation requirements (ISED: 135 credits).

■ Common curriculum

<Required Common Curriculum Courses for ISED students admitted in 2022>

Courses	Chapel x 0.5 x 4 semesters
	Understanding Christianity x 3
	Freshman Writing Intensive Seminar x 3
	CC L-H-P Series x 3
	Critical Reasoning or Research Design and Quantitative Methods x 3
	UIC Seminars x 6
	Western Civilization or Eastern Civilization x 3
	Yonsei RC101 x 1
	Basic Science Courses x 18 (Choose 6 from Calculus I & Calculus II, Physics I & II, Chemistry I & II, and Biology I & II.)
Total	24 + 18 (Basic Science)

## ● COMMON CURRICULUM ●

### ○ Curriculum Chart ○

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	CC	YCA1005	CHAPEL(A)	0.5	1(0)
	CC	YCA1006	CHAPEL(B)	0.5	1(0)
	CC	YCA1101	CHRISTIANITY AND WORLD CULTURE	3	3(0)
	CC	YCA1102	MODERN WORLD AND CHRISTIANITY	3	3(0)
	CC	YCA1103	BIBLE AND CHRISTIANITY	3	3(0)
	CC	UIC1101	FRESHMAN WRITING INTENSIVE SEMINAR (WRITING TUTORIAL)	3	3(0)
	CC	UIC1151	SCIENTIFIC WRITING	3	3(0)
	CC	UIC1201	WORLD LITERATURE: CLASSICAL LITERATURE	3	3(0)
	CC	UIC1251	WORLD LITERATURE: EAST ASIAN LITERATURE	3	3(0)
	CC	UIC1301	WORLD LITERATURE: MODERN EUROPEAN LITERATURE	3	3(0)
	CC	UIC1351	WORLD LITERATURE: ENGLISH AND AMERICAN LITERATURE	3	3(0)
	CC	UIC1401	WORLD LITERATURE: COMPARATIVE LITERATURE	3	3(0)
	CC	UIC1451	WORLD LITERATURE: MODERN JAPANESE LITERATURE	3	3(0)
	CC	UIC1915	WORLD LITERATURE: 18-19TH CENTURY LITERATURE	3	3(0)
	CC	UIC1501	WORLD HISTORY: GROUP I	3	3(0)
	CC	UIC1502	SOCIAL COGNITION	3	3(0)
	CC	UIC1541	HISTORY OF SCIENCE & TECHNOLOGY	3	3(0)
	CC	UIC1551	WORLD HISTORY: GROUP II	3	3(0)
	CC	UIC1561	WESTERN CIVILIZATION	3	3(0)
	CC	UIC1581	EASTERN CIVILIZATION	3	3(0)
	CC	UIC1751	SCIENCE IN SOCIETY	3	3(0)
	CC	UIC1901	WORLD PHILOSOPHY	3	3(0)
	CC	UIC1918	INTRODUCTION TO THE SCIENCE OF THE MIND	3	3(0)
	CC	UIC1920	SCIENCE IN CONTEXT	3	3(0)
	CC	UIC2101	CRITICAL REASONING	3	3(0)
	CC	UIC1804	BEGINNING KOREAN(1)	3	3(0)
	CC	UIC1808	BEGINNING KOREAN(2)	3	3(0)
	CC	UIC1805	BEGINNING CHINESE(1)	3	3(0)
	CC	UIC1809	BEGINNING CHINESE(2)	3	3(0)
	CC	UIC1806	BEGINNING JAPANESE(1)	3	3(0)
	CC	UIC1810	BEGINNING JAPANESE(2)	3	3(0)
	UICE	BIO1001	GENERAL BIOLOGY & LABORATORY(1)	3	2(2)
	UICE	BIO1002	GENERAL BIOLOGY & LABORATORY(2)	3	2(2)
	UICE	CHE1001	GENERAL CHEMISTRY & LABORATORY(1)	3	2(2)
	UICE	CHE1002	GENERAL CHEMISTRY & LABORATORY(2)	3	2(2)
	UICE	CLC1002	INTRODUCTION TO CULTURAL STUDIES	3	3(0)
	UICE	CLC1003	INTRODUCTION TO LITERARY STUDIES	3	3(0)
	UICE	ECO1001	INTRODUCTION TO ECONOMICS	3	3(0)
	UICE	MAT1001	CALCULUS AND VECTOR ANALYSIS(1)	3	2(2)
	UICE	MAT1002	CALCULUS AND VECTOR ANALYSIS(2)	3	2(2)
	UICE	PHY1001	GENERAL PHYSICS & LABORATORY(1)	3	2(2)
	UICE	PHY1002	GENERAL PHYSICS & LABORATORY(2)	3	2(2)
	UICE	POL1002	INTRODUCTION TO POLITICAL SCIENCE	3	3(0)
	UICE	POL1003	INTRODUCTION TO INT'L RELATIONS	3	3(0)
	UICE	STA1001	INTRODUCTION TO STATISTICS	3	3(1)
	UICE	UIC1601	TOPICS IN FICTION	3	3(0)
	UICE	UIC1709	INTRODUCTION TO LAW	3	3(0)
	UICE	UIC1801	INTRODUCTION TO KOREAN STUDIES <span style="border: 1px solid black; padding: 0 2px;">K</span>	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	UICE	UIC1802	INTRODUCTION TO MUSIC AND ITS MEANING	3	3(0)
	UICE	UIC1910	UIC RESEARCH PROJECT - GLOBAL	1	1(0)
	UICE	UIC1923	UIC RESEARCH PROJECT - KOREA	1	1(0)
	UICE	UIC2313	INTRODUCTION TO CREATIVE WRITING	3	3(0)
2,3,4	CC	YCA1007	CHAPEL(C)	0.5	1(0)
	CC	YCA1008	CHAPEL(D)	0.5	1(0)
	CC	UIC2151	RESEARCH DESIGN AND QUANTITATIVE METHODS	3	3(0)
	CC	UIC2302	INTERMEDIATE KOREAN(1)	3	3(0)
	CC	UIC2306	INTERMEDIATE JAPANESE(1)	3	3(0)
	CC	UIC2307	INTERMEDIATE CHINESE(1)	3	3(0)
	CC	UIC2310	INTERMEDIATE KOREAN(2)	3	3(0)
	CC	UIC2311	INTERMEDIATE CHINESE(2)	3	3(0)
	CC	UIC2312	INTERMEDIATE JAPANESE(2)	3	3(0)
	UICE	UIC3101~5	DISTINGUISHED VISITING FACULTY SEMINAR	3	3(0)
	CC	UIC3201	ADVANCED KOREAN	3	3(0)
	CC	UIC3202	ADVANCED CHINESE	3	3(0)
	CC	UIC3203	ADVANCED JAPANESE	3	3(0)
	CC	UIC3204	ADVANCED KOREAN READING	3	3(0)
	CC	UIC3205	ADVANCED CHINESE READING	3	3(0)
	CC	UIC3206	ADVANCED JAPANESE READING	3	3(0)
	CC	UIC3207	ADVANCED KOREAN WRITING	3	3(0)
	CC	UIC3511	MORAL PSYCHOLOGY	3	3(0)
	CC	UIC3512	LAW AND THE 4 <sup>TH</sup> INDUSTRIAL REVOLUTION	3	3(0)
	CC	UIC3513	ART AND SOCIETY	3	3(0)
	CC	UIC3514	HISTORY AND MEMORY IN EAST ASIA	3	3(0)
	CC	UIC3515	LAW AND TECHNOLOGY	3	3(0)
	CC	UIC3516	SPECIAL TOPICS IN FICTION	3	3(0)
	CC	UIC3517	TOPICS IN ECONOMIC HISTORY	3	3(0)
	CC	UIC3519	ITALIAN RENAISSANCE ART	3	3(0)
	CC	UIC3520	ADVANCED FICTION WORKSHOP	3	3(0)
	CC	UIC3522	SPECIAL TOPICS IN POETRY	3	3(0)
	CC	UIC3523	TOPICS IN GENDER STUDIES	3	3(0)
	CC	UIC3525	ABNORMAL PSYCHOLOGY	3	3(0)
	CC	UIC3527	TECHNOLOGY AND SOCIETY	3	3(0)
	CC	UIC3528	TOPICS IN LITERARY TRANSLATION [K]	3	3(0)
	CC	UIC3529	SHINHAN SEMINAR: LITERATURE	3	3(0)
	CC	UIC3531	BAROQUE ART AND ARCHITECTURE	3	3(0)
	CC	UIC3532	BUSINESS AND SOCIAL RESPONSIBILITY	3	3(0)
	CC	UIC3535	ADVANCED DEBATE WORKSHOP	3	3(0)
	CC	UIC3536	ETHNOGRAPHIC APPROACHES	3	3(0)
	CC	UIC3537	TOPICS IN ECONOMICS	3	3(0)
	CC	UIC3538	MARRIAGE AND THE FAMILY	3	3(0)
	CC	UIC3546	ADVANCED CREATIVE WRITING: NARRATIVE COMPOSITION	3	3(0)
	CC	UIC3547	TOPICS IN POSTCOLONIAL STUDIES	3	3(0)
	CC	UIC3548	DREAMS AND DREAM WRITING	3	3(0)
	CC	UIC3549	WALTER BENJAMIN'S CITIES	3	3(0)
	CC	UIC3550	STUDIES IN ANGLOPHONE LITERATURE	3	3(0)
	CC	UIC3552	MODERN GERMAN PHILOSOPHY	3	3(0)
	CC	UIC3553	MODERN FRENCH HISTORY	3	3(0)
	CC	UIC3554	TOPICS IN JAPANESE LITERATURE AND CULTURE	3	3(0)
	CC	UIC3555	COMPARATIVE POLITICAL PHILOSOPHY	3	3(0)
	CC	UIC3556	STUDIES IN ENGLISH LITERATURE	3	3(0)
	CC	UIC3557	TOPICS IN ASIAN LITERATURE	3	3(0)
	CC	UIC3558	STUDIES IN AMERICAN LITERATURE	3	3(0)
	CC	UIC3559	TOPICS IN THE PHILOSOPHY OF SCIENCE	3	3(0)
	CC	UIC3560	TOPICS IN SOCIAL HISTORY	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
2,3,4	CC	UIC3561	THE HISTORY OF SEXUALITY	3	3(0)
	CC	UIC3562	LITERARY THEORY AND CRITICISM	3	3(0)
	CC	UIC3563	INTRODUCTION TO CONTINENTAL PHILOSOPHY	3	3(0)
	CC	UIC3564	NATURE WRITING	3	3(0)
	CC	UIC3565	HISTORY OF CHINA: THEMES AND METHODS	3	3(0)
	CC	UIC3566	STUDIES IN POETRY	3	3(0)
	CC	UIC3567	WORLD WAR I: GLOBAL PERSPECTIVES	3	3(0)
	CC	UIC3568	TOPICS IN CLASSICAL GREEK PHILOSOPHY	3	3(0)
	CC	UIC3569	LITERATURE AND PSYCHOANALYSIS	3	3(0)
	CC	UIC3572	METHODS AND CONCEPT FOR THE STUDY OF HISTORY	3	3(0)
	CC	UIC3573	THE GOOD LIFE	3	3(0)
	CC	UIC3574	FORMAL METHODS	3	3(0)
	CC	UIC3575	MODERN GERMAN HISTORY	3	3(0)
	CC	UIC3576	VISUAL CULTURE	3	3(0)
	CC	UIC3577	INTRODUCTION TO LITERARY THEORY: LANGUAGE, CULTURE, MYTH	3	3(0)
	CC	UIC3578	AESTHETICS, POLITICS AND HISTORY IN KANT	3	3(0)
	CC	UIC3579	TOPICS IN MODERN KOREAN HISTORY	3	3(0)
	CC	UIC3580	CRIME FICTION	3	3(0)
	CC	UIC3581	TOPICS IN AESTHETICS	3	3(0)
	CC	UIC3582	EMPIRES IN WORLD HISTORY	3	3(0)
	CC	UIC3583	BRITISH AND IRISH HISTORY	3	3(0)
	CC	UIC3584	PHOTOGRAPHY, WAR, AND HISTORY	3	3(0)
	CC	UIC3585	TOPICS IN GERMAN IDEALISM	3	3(0)
	CC	UIC3586	TWENTIETH-CENTURY PHILOSOPHY OF SCIENCE	3	3(0)
	CC	UIC3587	CULTURE, MEDIA, AND THE POLITICS OF BEAUTY	3	3(0)
	CC	UIC3588	BIBLICAL LITERATURE AND THE ANCIENT NEAR EAST	3	3(0)
	CC	UIC3589	TOPICS IN MEDIA STUDIES	3	3(0)
	CC	UIC3591	SHINHAN SEMINAR: PHILOSOPHY	3	3(0)
	CC	UIC3592	MODERNISM AND MYTHOLOGY	3	3(0)
	CC	UIC3593	THE POLITICAL PHILOSOPHY OF GIORGIO AGAMBEN	3	3(0)
	CC	UIC3594	AMERICAN INDEPENDENT CINEMA	3	3(0)
	CC	UIC3595	METAPHYSICS: SELF, IDENTITY, AND FREE WILL	3	3(0)
	CC	UIC3596	SHINHAN SEMINAR: HISTORY	3	3(0)
	CC	UIC3597	TRANSLATION OF ASIA THROUGH FILM	3	3(0)
	CC	UIC3600	FICTION WORKSHOP: FROM SHORT STORY TO NOVEL	3	3(0)
	CC	UIC3602	STUDIES IN SHAKESPEARE	3	3(0)
	CC	UIC3603	FRENCH CINEMA	3	3(0)
	CC	UIC3604	LANGUAGE, HISTORY AND POLITICS IN JEAN-JACQUES ROUSSEAU	3	3(0)
	CC	UIC3605	TOPICS IN CONTINENTAL PHILOSOPHY	3	3(0)
	CC	UIC3606	READINGS IN COLONIAL PERIOD KOREAN LITERATURE	3	3(0)
	CC	UIC3607	TOPICS IN COMPARATIVE LITERATURE	3	3(0)
	CC	UIC3610	INTRODUCTION TO SECURITY STUDIES	3	3(0)
	CC	UIC3611	MODERN KOREAN LITERATURE	3	3(0)
	CC	UIC3613	HISTORY OF CHINA: TIME AND SPACE	3	3(0)
	CC	UIC3614	LAW AND POLICY	3	3(0)
	CC	UIC3615	THE SOCIOLOGY OF BIBLICAL LITERATURE	3	3(0)
	CC	UIC3616	HISTORY AND FICTION	3	3(0)
	CC	UIC3617	MASCULINITIES, MODERNITY, AND MEN	3	3(0)
	CC	UIC3618	ADVANCED STUDIES IN POETRY	3	3(0)
	CC	UIC3619	MODERNITY AND FASHION THEORY	3	3(0)
	CC	UIC3620	GENRE STUDIES: READING AND WRITING GENRE FICTION	3	3(0)
	CC	UIC3622	TOPICS IN FILM STUDIES	3	3(0)
	CC	UIC3623	COLONIAL HISTORY	3	3(0)
	CC	UIC3625	TOPICS IN COGNITIVE SCIENCE	3	3(0)
	CC	UIC3629	LITERATURE AND PEDAGOGY	3	3(0)
	CC	UIC3630	WORLD WAR II: GLOBAL PERSPECTIVES	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	CC	UIC3631	ADVANCED STUDIES IN FICTION AND PROSE	3	3(0)
	CC	UIC3632	THE NEW HOLLYWOOD	3	3(0)
	CC	UIC3634	TOPICS IN EUROPEAN HISTORY	3	3(0)
	CC	UIC3636	PHILOSOPHY OF PSYCHOANALYSIS	3	3(0)
	CC	UIC3638	GENDER IN EURASIAN HISTORY	3	3(0)
	CC	UIC3640	GENERATING, READING AND CRAFTING POETRY WRITTEN FOR THE NOW	3	3(0)
	CC	UIC3641	TOPICS IN ASIAN ART	3	3(0)
	CC	UIC3642	CREATIVE LITERARY TRANSLATION: FROM THEORY TO EXPERIMENT	3	3(0)
	CC	UIC3643	MAJOR PHILOSOPHERS	3	3(0)
	CC	UIC3644	TOPICS IN MODERNISM	3	3(0)
	CC	UIC3645	TOPICS IN INTELLECTUAL HISTORY	3	3(0)
	CC	UIC3647	TOPICS IN CRITICAL THEORY	3	3(0)
	CC	UIC3648	STUDIES IN MODERN EUROPEAN LITERATURE	3	3(0)
	CC	UIC3649	TOPICS IN CULTURAL STUDIES	3	3(0)
	CC	UIC3652	LIFE WRITING	3	3(0)
	CC	UIC3653	ATLANTIC WORLD HISTORY	3	3(0)
	CC	UIC3654	PHILOSOPHY OF KNOWLEDGE	3	3(0)
	CC	UIC3655	PHILOSOPHY OF RACE AND GENDER	3	3(0)
	CC	UIC3656	SCIENCE, MEDICINE, AND SOCIETY	3	3(0)
	CC	UIC3657	SOCIOLOGY OF EDUCATION	3	3(0)
	CC	UIC3658	TOPICS IN COMPARATIVE HISTORY	3	3(0)
	CC	UIC3659	TOPICS IN FEMINISM	3	3(0)
4	CC	UIC4801	SENIOR THESIS: INDEPENDENT STUDY	3	3(0)
	UICE	UIC4803	SHINHAN VISITING FACULTY SEMINAR	3	3(0)

### ○ Course Descriptions ○

#### UIC1101 FRESHMAN WRITING INTENSIVE SEMINAR (WRITING TUTORIAL)

This required course will offer students intensive training in writing in English. The course will emphasize both interpretive skills/techniques of reading as well as skills in writing and argumentation. Freshman Writing Intensive Seminar and Writing Tutorial are considered as identical courses for students admitted in 2011 and before.

#### CC L-H-P SERIES (6 credits)

Underwood Division Humanities and Social Sciences students and HASS Division students are required to take two courses from two of the following categories in the Common Curriculum during their freshmen year or sophomore year: World History, World Literature or World Philosophy. Underwood Division LSBT students and ISE Division students are required to take one course from CC L-H-P Series.

#### WORLD LITERATURE

World Literature aims to instill in students a fundamental understanding of literary traditions from diverse cultural and national origins. Students have the option of selecting courses from several “tracks” within the World Literature sequence. Each semester, several courses will be offered within the five tracks given below, and students will select any two courses, one per semester, each from a different track.

#### UIC1201 CLASSICAL LITERATURE

Sample course titles include: “Love and Tragedy in the Greek World,” “Classics of Christian Literature,” “Revenge and Justice in Classical Literature”

#### UIC1251 EAST ASIAN LITERATURE

Sample course titles include: “The Literature of Colonial Korea,” “Korean Origins of Myth,” “Women Writers in Imperial China,” “Korean Diaspora Literature”

#### UIC1301 MODERN EUROPEAN LITERATURE

Sample course titles include “Authorship in Russian Literature,” “The Self and Other in French Literature,” “Modernism and Identity”

#### UIC1351 ENGLISH AND AMERICAN LITERATURE

Sample course titles include “English Gothic Fiction,” “The American Dream in Literature,” “The Literature of Empire”

#### UIC1401 COMPARATIVE LITERATURE

Sample course titles include "Arthurian Romance and Quest Literature," "Encountering New Worlds," "Ethnicity and Cultural Conflict in Contemporary Literature"

#### UIC1451 MODERN JAPANESE LITERATURE

This course explores a corpus of authorized texts that constitute "modern Japanese literature" of Meiji (1868-1912), Taishō (1912-1926) and early Shōwa period (1926-1989).

#### UIC1915 WORLD LITERATURE: 18-19TH CENTURY LITERATURE

The course will introduce students to "Romanticism," a term associated with a literary and artistic genre which values the fantastical, exotic, and irrational products of the imagination over reason, particularly those which appear in poetry.

#### WORLD HISTORY

All courses offered in the World History sequence aim to develop in the students a keen sense of historical contingency and the mutability of human society. Courses in the World History sequence will be divided into two groups reflecting the different ways in which history may be studied. Students are required to take one course from each group.

#### UIC1501 WORLD HISTORY: GROUP I

Courses in Group I will emphasize a broader knowledge of the sequential development of events. Sample course titles include "East Asian Traditions and Civilizations," "The Rise and Fall of Empires, East and West," "The Making of Korean Identity Through the Ages," "History of Christianity in Europe," "History of Korean Foreign Relations."

#### UIC1551 WORLD HISTORY: GROUP II

Group II courses will focus on in-depth and contextual understanding of certain transformative historical moments. Sample course titles include "East Asian Responses to Western Impact," "The Third Wave of Democratization," "The Industrial Revolution," "Korea's Colonial Experience," "World War II," "Emergence of World Capitalism"

#### UIC1901 WORLD PHILOSOPHY

A range of subjects will introduce students to fundamental issues in philosophy.

#### UIC1561 WESTERN CIVILIZATION

In this three hour lecture course, students will address the central historical question of how and why the far western peninsula of Eurasia became "the West." Students will explore not only the historical, philosophical, and literary foundations of "western civilization" but also will show how that "civilization" was shaped through encounters with other groups, cultures, and competing traditions. The lectures will focus on particular literary, historical, philosophical, scientific, or artistic developments, from the ancient Greeks to the present day.

#### UIC1581 EASTERN CIVILIZATION

In this course students will examine the civilizations of East Asia from the earliest recorded history to the present, focusing on how culture, thought, societies, and economies have changed over time. Although the semester will be divided by region into separate units on "China," "Japan," and "Korea," this course will not present national histories per se, but will instead give attention to regional and global interactions while emphasizing the fluidity of boundaries and identities.

#### SCIENCE LITERACY

#### UIC1502 SOCIAL COGNITION

This course explores the cognitive foundations of religion and science. How do cognitive processes such as memory, attention, emotion, language, and embodiment shape the social reproduction of religious and scientific knowledge and practices? In turn, how do social, cultural, and even environmental contexts influence cognition? Does this complex dynamic between culture and cognition change over time and do any long-term patterns emerge from the history of religion and science? Students will take a hands-on approach to these issues through neurophysiological and behavioural labs as well as a field trip.

#### UIC1541 HISTORY OF SCIENCE AND TECHNOLOGY

History of Science and Technology is one of the science literacy courses. This one-semester course is aimed at providing students with a grand overview of the major advances in science and technology throughout human history. A deep understanding of the history of science and technology is expected to assist students developing a keen perspective on the current trends and future directions of science and technology that will shape much of the 21st century and beyond.

#### UIC1751 SCIENCE IN SOCIETY

This course aims to develop the basic concepts of modern life science and the critical reasoning on the topics related to life science for freshmen in the humanities or social sciences. In this course, students will explore both scientific and cultural texts that contain terms with contemporary genetics.



#### UIC1918 INTRODUCTION TO THE SCIENCE OF THE MIND

It is essentially an introduction to cognitive science with a special emphasis in the latter half on how cognitive science bears on social issues such as intelligence, sex and morality. In particular, students will examine two competing and central architectural proposals: the mind as a physical symbol system and as a neural network.

#### UIC1920 SCIENCE IN CONTEXT

This is a non-science major's introductory chemistry course which uses current scientific issues within society as context for the course material. The goal of the course is to engage students with little or no scientific background with introductory chemistry principles and concepts so that they may be better able to understand the chemical world of which they are a part.

#### UIC2101 CRITICAL REASONING

As a part of the UIC common curriculum, the seminars to be offered under this rubric aim to educate students in the basic skills necessary for logical analysis, normative judgment, and moral reasoning. UIC students are required to take one of these semester-long seminars during their freshman or sophomore year. All of these courses will be conducted in an intimate classroom environment that facilitates close interactions with the instructor and fellow UIC students.

#### UIC2151 RESEARCH DESIGN AND QUANTITATIVE METHODS

This course is intended for both majors and non-majors in the social sciences, and will serve as an introductory overview of important principles of quantitative analysis. Students will learn how to formulate and appreciate quantitative research, and to design their own research projects.

#### UIC SEMINARS

\* Courses with course codes of UIC35(XX) and UIC36(XX) are UIC seminars.

These upper-level, topics-based courses will offer students the chance to explore diverse topics in a small-group seminar setting. The UIC Seminar has the pedagogical purpose of giving students the opportunity to investigate certain topics in depth that they might not encounter in their own majors.

#### ART HISTORY

##### UIC3513 ART AND SOCIETY

This is a seminar course on arts and society. Students will read empirical research on the social construction, production, mediation, and appreciation of arts and discuss about various topics on sociology of arts.

##### UIC3519 ITALIAN RENAISSANCE ART

This course is designed to introduce students to the visual arts produced in Italy from about 1450 to about 1600, the period known as the Renaissance. By the end of this course, students will gain a deeper understanding of the Renaissance, its beginning in Italy, its particular meaning, and its impact on the history of western art.

##### UIC3531 BAROQUE ART AND ARCHITECTURE

This course examines the art and architecture of the seventeenth and eighteenth centuries, the Baroque period in Europe. In defining the essential characteristic of Baroque art and architecture, works of art will also be discussed in a socio-political and religious context of the period.

##### UIC3641 TOPICS AN ASIAN ART

This course examines specific movements, periods, and genres in Asian art. The course may take a comparative approach, engaging multiple national traditions, or focus on a single national tradition.

#### COMMUNICATION AND LEADERSHIP

##### UIC3535 ADVANCED DEBATE WORKSHOP

This course will enable engaged and committed students to become genuinely impressive oral communicators who are capable of constructing rigorously argued oral presentations that are persuasive in presenting a clear and compelling case. By the end of the course, students should have attained a level of confidence and achievement in public speaking to enable them to compete in international standard debate tournaments.

#### CREATIVE WRITING

##### UIC3516 SPECIAL TOPICS IN FICTION

The goal of this course is that students attain a degree of excellence in the craft of writing fiction. Each student will write three short stories over the semester, and each story will be discussed and critiqued in class. That is, each student will produce approximately forty-five pages of prose fiction. Students will be required to view a sampling of films from THE NEW YORK TIMES GUIDE TO THE BEST 1,000 MOVIES EVER MADE (St. Martin's Griffin). Students will be expected to deliver respectful and insightful critiques of their classmates' work.

##### UIC3520 ADVANCED FICTION WORKSHOP

A rigorous investigation into the craft of writing short stories and novels. This workshop is designed to accommodate and nurture some of the most promising young English prose writers in Korea. Students must already possess a strong

facility in the art of generating narrative, and each student will be expected to produce forty-five pages of prose fiction in the course of the semester.

#### UIC3522 SPECIAL TOPICS IN POETRY

While traditional in format—a seminar/workshop through which we draw inspiration from extensive readings in order to produce, discuss and critique our own original works of poetry—participants must be open to experiment in working with uncommon, unusual—even unknown (e.g., Rumsfeldian)—poetic subject matter.

#### UIC3536 ETHNOGRAPHIC APPROACHES

This is a course in both the Archaeology and Geology of Storytelling; our task is to un-earth and inscribe the stories of those whose stories would otherwise remain oral or go untold. Achieving it will require a series of approaches and entrances into subcultures through interview and participant observation. This will involve intensive listening, performance, and transcription.

#### UIC3546 ADVANCED CREATIVE WRITING: NARRATIVE COMPOSITION

The course will be divided into three sections, designed to progressively introduce basic concepts of musical perception and musical elements and structures through increasingly challenging compositional and listening exercises.

#### UIC3548 DREAMS AND DREAM WRITING

From the ancient Greek and Chinese oracles and Taemong of Korea to the sofas of Freud and Jung to ontemporary Yanomami shamans and Hollywood "Dreamworks," throughout a vast array of cultures and eras, dreams have been a source of inspiration, healing and insight. The aim of this course is to reconnect with the imaginative and therapeutic power of dreams primarily through writing our own, while reading extensively in dream literature.

#### UIC3564 NATURE WRITING

This course will use a multifaceted approach to Nature, writ both large and small. The first half of the course will be lectures on many different works and authors, as well as methods of identifying literary techniques in order to improve the student's self-awareness in their own writing.

#### UIC3600 FICTION WORKSHOP: FROM SHORT STORY TO NOVEL

This is an introductory class to the art of reading and writing short fiction. students will become familiar with the writing process, critique fiction in progress in a workshop environment, and work on short writing exercises as well as a longer short story.

#### UIC3620 GENRE STUDIES: READING AND WRITING GENRE FICTION

Students will explore the elements of dystopia, the power of dystopian fiction as a genre, and the alternative forms of life that the genre makes possible. Students will spend the majority of the semester studying works of literature in both their conformity and departure from the genre, and write own works of dystopian fiction.

#### UIC3640 GENERATING, READING AND CRAFTING POETRY WRITTEN FOR THE NOW

Students will learn how to identify good materials and learn craftsmanship and are expected to produce accordingly. This class will be primarily dedicated to the process of revision. Students will be asked to write a small group of poems refined over the course of the semester.

#### UIC3642 CREATIVE LITERARY TRANSLATION: FROM THEORY TO EXPERIMENT

This class will explore how reading work in translation and experimenting with different forms of translation makes us better writers. Students will primarily study works of poetry in translation, but will also read and explore essays, films, visual art and music. This class is fundamentally a workshop, where students will be expected to generate writing and offer responses and critiques to each others' writing.

#### UIC3652 LIFE WRITING

One of the most popular genres of life writing in the twenty-first century has been the memoir. But the art or act of telling one's story is a genre with a long history. In this course, students will briefly study the history of life writing and explore the various forms of the genre, including the memoir, fiction, and poetry. Students will have a chance to experiment with these genres and test the formal boundaries of life writing. The course will focus on writing as a way of discovering the self, mining the past and present, and examining as well as recreating one's own life through nonfiction and fiction devices.

#### FILM

#### UIC3589 TOPICS IN MEDIA STUDIES

The aim of this course is to understand contemporary cinema through the perspective of gender studies. Students will be introduced to current interpretive concepts at the intersection of film studies and gender studies and learn to apply them to film texts.

#### UIC3594 AMERICAN INDEPENDENT CINEMA

In this course, students will explore the world of American independent cinema with a focus on the 1980s-90s.

Students will examine the works of film school alumni like Allison Anders, Jim Jarmusch and Spike Lee. Student will meet the members of the "VCR generation" including Robert Rodriguez, Kevin Smith, and Quentin Tarantino.

#### UIC3597 TRANSLATION OF ASIA THROUGH FILM

This course will explore the ways in which the countries of East Asia, in particular, have been portrayed in Western cinema--in juxtaposition with films produced in the countries themselves. How is the Orient constructed through Western eyes? Through close analysis of a variety of films, students will develop a process of de-translation aimed at untangling the enigmatic constructs and deconstruct the long-standing binary opposition between monolithic notions of East and West.

#### UIC3603 FRENCH CINEMA

This course examines the New Wave and its legacy, focusing on a few filmmakers who rose to prominence in the 1950s-60s while challenging cinematic conventions. As students examine this slice of French cinema and reflect on a legacy still felt today, they will tackle a number of broader questions.

#### UIC3622 TOPICS IN FILM STUDIES

In this course, students will examine the films made under the Hollywood studio system from the 1930s to the 1950s, a period marked by extremely rigid studio control that, perhaps paradoxically, yielded some of the most celebrated (and even innovative) works in American film history.

#### UIC3632 THE NEW HOLLYWOOD

This course examines the "American New Wave," focusing on the works of several filmmakers who rose to prominence in the 1960s-70s while challenging established conventions. Students will meet the first film school generation of "movie brats" like Francis Ford Coppola, George Lucas, and Martin Scorsese, young rebels who grew up on the cinema and remain active today.

#### HISTORY

##### UIC3514 HISTORY AND MEMORY IN EAST ASIA

This course introduces students to how Chinese, Japanese, and Koreans have remembered, suppressed, or contested the meaning of a series of epochal or traumatic events that occurred in modern East Asia. Topics addressed in this course include the Boxer uprising, Nanjing massacre, World War II, Gwangju uprising, history wars, and textbook controversy. Through this course, students will learn that historical memory is not just about the past but a present factor that affects current regional politics.

##### UIC3517 TOPICS IN ECONOMIC HISTORY

This course takes an historical approach to the economies of different nation states, investigating important changes related to war, technology, business organization, economic thought, the role of minorities and women, globalization, etc.

##### UIC3553 MODERN FRENCH HISTORY

This seminar will use everyday life in Vichy France as a case study for understanding ordinary people's experience of defeat, collaboration, resistance, and liberation. In discussions, students will also be encouraged to think comparatively, either geographically (to other occupation regimes in Europe or East Asia), or chronologically (to the other world war). Individual students will act as discussion leaders and each will be expected to write weekly response papers and a 10-12 page final essay.

##### UIC3560 TOPICS IN SOCIAL HISTORY

Courses in this category examine a particular time and place in the past in terms of how society can be viewed in terms of groups, defined in terms of varied alternative criteria, and the relationships between them. This approach to thinking about the past can provide new insights into how societies function and change over time.

##### UIC3565 HISTORY OF CHINA: THEMES AND METHODS

Courses in this category examine the Chinese past through the focus on a particular theme, or by application of a particular historiographic or social science methodology to make possible a deeper and more nuanced understanding of society during the time under investigation.

##### UIC3567 WORLD WAR I: GLOBAL PERSPECTIVES

The First World War has been called "the seminal catastrophe of the twentieth century." Though traditionally accounts of this conflict have been dominated by the experience of the Western Front, this seminar will go beyond the trenches and examine the conflict from a global perspective. After beginning with a survey of the war's origins and outbreak, students will analyze the impact of the war on Africa, the Middle East, East Asia and Russia, as well as the experience of European civilians and soldiers, and will conclude with a discussion of the war's aftermath.

##### UIC3572 METHODS AND CONCEPT FOR THE STUDY OF HISTORY

This course is designed to introduce students to an essential array of concepts and methods indispensable to the study of history. It also explores a range of theoretical problems facing historians working on various time periods and

regions. What does it mean to write about the past? Is it a pursuit of truth or just an interpretation of something that is not present *hic et nunc*? Are these intellectual commitments one and the same? Or are they fundamentally different? What distinguishes the study of history from other disciplines in the humanities and the humanistic social sciences? Or, in what ways does the study of history relate itself to those non-historical fields? How has the historical field evolved in the western academic world over the last decades? This course will address these and other questions with special emphasis on the question about what makes the study of history possible and distinctive as an academic discipline.

#### UIC3575 MODERN GERMAN HISTORY

This course is a survey of Nazi Germany and the Holocaust. Consistent class attendance and participation in oral and written discussion of the required texts will allow you to improve your oral and written communication skills. A 6-8 page primary source research paper will give you the chance to “do history” and begin asking historical questions of primary and secondary sources.

#### UIC3579 TOPICS IN MODERN KOREAN HISTORY

This is a reading, writing, and discussion-intensive course that examines the development of modern Korea within the last two centuries. Using a combination of lecture and class discussion, students will examine the facts and arguments surrounding the transitions from premodern to modern Korea or more recent changes in twentieth-century Korean history. Students will pay special attention to the dominant arguments surrounding key moments of historical debate in modern Korean history.

#### UIC3582 EMPIRES IN WORLD HISTORY

This course will give students an introduction to the history of Iran and the Middle East between the seventh and fifteenth centuries. Students will explore the role of Sasanian, Islamic and Turco-Mongolian traditions of kingship and statehood in the formation of an ‘Iranian’ political identity at the start of the modern era. Some of the themes that will be explored in this course include empire, popular religion, kingship, and cultural identity.

#### UIC3583 BRITISH AND IRISH HISTORY

In many ways the birth of the modern world can be traced back to the British islands, whose extraordinary historical impact has been so strikingly out of proportion to their size geographically. Students shall examine the historical evolution of the British Isles in the Early Modern Era (c. 1500 – c. 1800). A central theme will be tracing the emergence and refashioning of identities in the diverse territories of the British Isles across this seminal historical period in the emergence of the British state and empire.

#### UIC3584 PHOTOGRAPHY, WAR, AND HISTORY

Students will examine the relationship between war, history and photography by considering photographs from multiple angles: as creative works of individuals; as material objects that are processed, produced, distributed, and appropriated by users; as ambivalent representations of an “authentic” reproduction of the past; and as the source material for family histories and national narratives.

#### UIC3613 HISTORY OF CHINA: TIME AND SPACE

The 10th through 13th centuries are often called “The Chinese Renaissance.” This was a time of unprecedented economic growth, technological innovation, and ambitious domestic and foreign policy. At the same time, intense philosophical questioning led to the growth of Neo-Confucianism, the most influential form of Confucianism in East Asia today. While traditional historians have portrayed this period as a tragic low point in “Chinese” military power, more recently it has come to be seen as an exciting time of material prosperity and cultural transformation.

In this course students will examine how these trends fit together, and how they affected the lives of both famous and ordinary people. Through the reading of both famous and lesser-known literary works, students will also explore how people living in this era described their own experiences. By the end of the course, students will be better able to understand multiple ways of talking about a society, as well as evaluating the evidence used to support alternative views.

#### UIC3616 HISTORY AND FICTION

This seminar explores the relationship between two ways of understanding ourselves in time: history and fiction. By reading the work of a novelist alongside traditional historical texts and other materials about his/her subject, the class aims to compare approaches in order to analyse how these two traditionally contrasted methods of thinking about the past might inform each other.

#### UIC3623 COLONIAL HISTORY

This seminar begins with a survey of the peoples, societies, and states in southeast Asia in the early nineteenth century, examines the initial French conquest and Vietnamese responses to it, discusses colonial society from the perspective of colonizer and colonized, looks at the impact of war and revolution on that colonial society, and concludes with the First Indochina war that

resulted in the removal of the French.

#### UIC3634 TOPICS IN EUROPEAN HISTORY

This seminar is designed to provide in-depth analysis of specific topics in European history.

#### UIC3645 TOPICS IN INTELLECTUAL HISTORY

Intellectual history can be defined broadly as the study of the activity of thinking in the past. In particular, intellectual history involves the careful analysis of primary sources within appropriate contexts. This course addresses a range of important topics that enable students to engage with key interpretive debates in the vibrant field of intellectual history.

#### UIC3658 TOPICS IN COMPARATIVE HISTORY

Courses under this title examine similar topics, events, or trends across two or more geographic regions or epochs. This approach can offer a deeper understanding of the relative weight of causative factors, long-term significance of events, and role of contingency than examination of a single case in isolation; at the same time, it can aid the critical analysis of social theories, including the division of the histories of various regions into "stages" or "periods."

#### HISTORY OF SCIENCE

##### UIC3527 TECHNOLOGY AND SOCIETY

Technology involves the use of living organisms or products from living organisms in order to benefit humans usually for medical, agricultural and industrial application. This technique will impact every aspect of our society. The current and future role of bio in different industry sectors and how the practical applications of their products will impact our society will be covered.

##### UIC3625 TOPICS IN COGNITIVE SCIENCE

This upper-level seminar requires students to think in depth and to write critically about topics on which cognitive scientists are researching. Because cognitive science is by its nature multidisciplinary, these topics may be drawn from many disciplines, including neuroscience, linguistics, psychology, philosophy and artificial intelligence.

##### UIC3656 SCIENCE, MEDICINE, AND SOCIETY

A class under this heading will examine the nature of medical practice (or public health) as situated in the scientific and social practices of the period under study. The course may focus on one or more of number specific themes within the larger heading (e.g. focusing on metaphysical, epistemological, or ethical dimensions of medical practice). The class will explore these larger themes by examining specific case studies, historical episodes, or philosophical arguments that bring such issues to the fore.

#### INTERNATIONAL RELATIONS

##### UIC3610 INTRODUCTION TO SECURITY STUDIES

This course will look at the different facets of security as the concept (and the world) has evolved. Students will begin with traditional military security, and what might be called strategic studies, and follow the evolution of the idea to include newer and increasingly important concepts such as human and environmental security.

#### LAW AND ECONOMICS

##### UIC3512 LAW AND THE 4<sup>TH</sup> INDUSTRIAL REVOLUTION

This goal of this course is to familiarize students with the technologies of the 4th Industrial Revolution, such as cloud, IOT, big data, blockchain, autonomous vehicles, artificial intelligence and the legal issues related thereto. Case law, statutes and contracts governing such technology will be reviewed and discussed not only in a legal context but also in the context of ethics and innovation. Students will learn to apply traditional legal concepts (such as liability, freedom of speech, privacy and due process) to new technologies and new business models. Ultimately, students will gain a framework of analysis for legal issues while balancing humanity and technology. This will be a good introductory course for students interested in pursuing law or technology policy as a career or for students interested in working at IT companies.

##### UIC3515 LAW AND TECHNOLOGY

This course explains the characteristics of the blockchain and the legal issues surrounding the blockchain. The course will start with an overview of cryptocurrencies and how blockchain works. Students then explore how blockchain is currently being used in the finance sector and can be used in the future for corporate governance, storing public information and creating registries. Students also take a look at smart contracts and its legal significance in the context of contract law. A theme throughout the course is to understand how blockchain can be the underlying infrastructure for emerging technologies such as big data, IOT, and artificial intelligence. The purpose of this course is for students to understand the blockchain and assess the possible legal implications. Students will have the opportunity to read and discuss legislation and court cases in addition to the text book, recent articles and whitepapers involving the blockchain. This will be a good introductory course for students interested in pursuing law or technology as a career.

#### UIC3532 BUSINESS AND SOCIAL RESPONSIBILITY

This course is designed to provide students with an overview of business/marketing in the global context. Students will also discuss the best online/offline practices for brands/customer relationships /distribution channels/advertising in Korea and Overseas. As part of the curriculum, student groups apply in-class materials to develop their own startups by following the guidance provided by Yonsei Enterprise Support Foundation. Students will have a hand-on experience of doing business in real world markets.

#### UIC3537 TOPICS IN ECONOMICS

This course is designed to help students with understanding behavioral economics (BE). For this purpose, fundamental doctrines of neoclassical economics (NE) which are embedded in the postulate of rationality are reviewed. This lays the groundwork for introducing basic concepts of BE which casts doubts on rationality on the part of economic agents. These concepts include reference dependence, loss aversion, endowment effect, context specificity, framing, social preference. All these concepts are illustrated by field studies, statistical cases and lab experiments. In addition, some macroeconomic and financial issues are addressed. Lastly, policy implications are drawn from this examination, with the focus on libertarian paternalism, as advocated by BE. Throughout the class, comparison between NE and BE is highlighted.

#### UIC3614 LAW AND POLICY

This course is designed to give students an understanding of the philosophical and institutional ‘operating system’ of the United States. By learning about how the country is supposed to operate, we can better understand the processes by which the US government acts, including how ideas become policies and the structural limitations on the executive branch. This will give us a better understanding of how the US is able to act in international relations, and how domestic policies (e.g. trade or human rights) that can affect the rest of the world are shaped.

The course will be conducted collaboratively with universities in the United States, and students at Yonsei will interact with students from those universities in online discussions as part of their assessment.

#### LITERATURE

##### UIC3528 TOPICS IN LITERARY TRANSLATION

This course will teach the fundamentals of literary translation from Korean to English. A new work or works will be selected for translation each semester, but will always be drawn from one of the following genres: prose fiction, poetry, drama, and essay. The course will provide an admixture of theory and practice, but, since teaching students to produce tangible results in the form of excellent translations is the course’s primary goal, the actual practice of translation will be the primary focus.

##### UIC3547 TOPICS IN POSTCOLONIAL STUDIES

This seminar investigates a variety of issues related to the encounter between the colonizer and the colonized and its historical aftermath. Students will be asked to read a range of texts, from literature, theory, and history.

##### UIC3549 WALTER BENJAMIN'S CITIES

In this class, students will study a wide range of Walter Benjamin’s writings, including his early essays on language, his essay on “The Work of Art in the Age of Mechanical Reproduction,” his autobiographical writings, and finally the “Arcades Project,” his unfinished study of 19th Century Paris. While students will try to gain a rich understanding of the different facets of Walter Benjamin’s thought, special emphasis will be on his theorization of experience of the city in the age of modernity.

##### UIC3550 STUDIES IN ANGLOPHONE LITERATURE

Anglophone literature is a term that connects all literary works written in English, with a specific emphasis on literature produced outside of the United Kingdom and the United States. Because so much of this literature is a product, directly or indirectly, of British imperialism, significant attention is paid to (post)colonial dynamics inhering in the relationship between the metropole (England) and “periphery” (everywhere else).

##### UIC3554 TOPICS IN JAPANESE LITERATURE AND CULTURE

This course examines different literary and cultural texts important to an understanding of the Japanese cultural tradition.

##### UIC3556 STUDIES IN ENGLISH LITERATURE

This seminar is designed to enable in-depth investigation of specific movements, periods, and genres in English literature. The seminar emphasizes both close reading of individual literary texts and situating them in their intellectual, historical, social, and political contexts.

##### UIC3557 TOPICS IN ASIAN LITERATURE

The purpose of this course is to study underlying issues in the field of premodern Korean literature through close reading and discussion of selected literary works in English translation. Premodern Korean literature includes various genres such as hyangga, Koryo kayo, kasa, fiction, and unofficial history. This course aims to examine how Koreans

lived and their cultural identity changed over time from the thirteenth century to the early twentieth century by reading the major works of premodern Korean literature.

#### UIC3558 STUDIES IN AMERICAN LITERATURE

This seminar provides in-depth investigation of specific movements, periods, and genres in American literature. Specific course topics might include Transcendentalism, African American literature, American modernism, 20<sup>th</sup>-century poetry by women, etc.

#### UIC3561 THE HISTORY OF SEXUALITY

This course examines the “discovery” and transformation of sexuality in modern Europe. What norms or expectations governed the way women and men interacted in the pre-modern world, and how did those change with the Enlightenment and industrialization? Where, when, and how did sexuality become an attribute used to define personhood and identity? How did issues such as demography, disease, prostitution, contraception, or sexual “perversion” become preoccupations for state and other corporate entities? Students will explore these and related themes using an array of primary and secondary sources, including literature, art, and film.

#### UIC3562 LITERARY THEORY AND CRITICISM

This course studies the phenomenon of world literature and theories of cultural interaction by exploring how (post)colonial writers from Asia, Africa, and Latin America and writers from (former) imperial powers have negotiated with one another’s literatures and cultures. Topics include colonialism, translation, and literary rewriting. Students also examine the relationship between creative production and such topics as empire, travel/diaspora, and transculturation

#### UIC3566 STUDIES IN POETRY

In this course, students read poetry from specific movements and national traditions (e.g., Victorian poetry, French symbolism, American confessional poetry, etc.). At the same time, students will be exposed to criticism that has emerged from the poetry.

#### UIC3569 LITERATURE AND PSYCHOANALYSIS

Beginning with Sigmund Freud’s “Interpretation of Dreams” and concluding with Deleuze’s and Guattari’s “Anti-Oedipus,” students will trace the trajectories of psychoanalysis and literature in the twentieth-century. More specifically, students will be concerned with the degree to which psychoanalytic discourse is indebted to literature -- and the extent to which psychoanalysis, itself, may be considered a fictional narrative.

#### UIC3576 VISUAL CULTURE

This course brings together western theories of visual culture and products of Japanese visual culture. The course readings cover a wide range of topics and time periods, but converge on critical interpretations of the signs and images that circulate in the sphere of everyday life.

#### UIC3577 INTRODUCTION TO LITERARY THEORY: LANGUAGE, CULTURE, MYTH

In this class students will study the development of the concept of culture from the 18th century up to the present, paying particular attention both to the symbiotic relationship between theories of culture and theories of language, semiotics, and myth and also to the tense relation between the concept of culture and the concept of ideology.

#### UIC3580 CRIME FICTION

This course offers an overview of crime fiction, exposing students to early crime fiction writers like Poe, Wilkie Collins, and Doyle as well as the genre’s evolution, such as in American hard-boiled detective fiction and contemporary Scandinavian crime fiction.

#### UIC3581 TOPICS IN AESTHETICS

This seminar explores a variety of issues and questions central to the history of Western aesthetics. These include: What is beauty? What is the relationship between the beautiful, the good, and the true? What is art? Must art strive for beauty? How do we make aesthetic judgments and what do they tell us about the world? What is the relationship between aesthetics, ethics, politics, and history? What is the meaning and value of an “aesthetic education”? Students are likely to read works by figures such as Plato, Aristotle, Longinus, Burke, Kant, Schiller, Hegel, Pater, Nietzsche, Benjamin, Adorno, de Man, Deleuze, Lyotard, and others.

#### UIC3587 CULTURE, MEDIA, AND THE POLITICS OF BEAUTY

This course is an exploration of human sensibilities, taste and desire through a wide array of interdisciplinary readings in cultural anthropology, literature, and theory. One of the central focuses will be ‘beauty,’ not so much the object, but more importantly the politics surrounding its notion and manifestation. We live in an era of inundation of media that operate as means of production, dissemination, and consumption of the information, images and imaginations that constitute the material and non-material aspect of our culture. Students will begin with a reading, “Performing the Nation”(on-line), and examine how the notion of beauty operates on multiple levels in

realms such as class, ethnic and national politics and cultural practices.

#### UIC3588 BIBLICAL LITERATURE AND THE ANCIENT NEAR EAST

This course will deal with one of the two pillars of the western civilization; the Ancient Near East and the Biblical(Hebraic) World. The course will be operative with the Hebrew Bible (or Old Testament) in mind, as the Biblical narratives (such as creation story, prophecy, and ancient history) are relatively well known to the intellectuals; the students will be able to compare the Bible in connection with the ANE texts in academic terms by situating it in the world of the ANE. The goal of the course is to give students a balanced view on the roots of western civilization; Hebraic (in the context of ANE) and Greek worlds.

#### UIC3592 MODERNISM AND MYTHOLOGY

This seminar, as its title suggests, will concern itself with the particularities of modernist literature's essential relation to mythology and classical literature. Beginning with Rainer Maria Rilke's appropriations of the myth of Orpheus and Eurydice, students will move to "The Waste Land," and then spend the remainder of the semester with Ulysses.

#### UIC3602 STUDIES IN SHAKESPEARE

This seminar is designed as an introduction to Shakespeare's drama and poetry. Students will read selected sonnets and a half dozen plays representing the four different Shakespearian genres: comedy, tragedy, history, and late romance. Key issues considered, from a variety of critical perspectives, may include: identity, performativity, power and authority, imperialism, race, class, gender, language, representation, mortality, madness and jealousy, etc.

#### UIC3604 LANGUAGE, HISTORY AND POLITICS IN JEAN-JACQUES ROUSSEAU

Jean-Jacques Rousseau (1712 - 1778) is one of the most fascinating, interesting and influential political thinkers of the 18th century. While he is perhaps best known for his political treatises, which played a tremendously important role in the development of modern theories of democracy, he wrote on a vast range of subjects, including language, music, education, and, perhaps most significantly, himself. In the following class students will seek to consider how these different aspects of his oeuvre relate to each other.

#### UIC3606 READINGS IN COLONIAL PERIOD KOREAN LITERATURE

This course will explore the beginnings and developments of twentieth century Korean prose fiction through four representative examples of the novel. These works provide glimpses of Korea from the cataclysm of the Sino-Japanese War to the oppression of the Japanese Colonial Period, but they also testify to the endurance of everyday life, of personal, quotidian concerns that predate and will outlast present circumstances.

#### UIC3607 TOPICS IN COMPARATIVE LITERATURE

This course will investigate literary, cultural, and intellectual concerns that cross national, cultural, and linguistic borders.

#### UIC3611 MODERN KOREAN LITERATURE

This course explores the major works of 20th and 21st century Korean short fiction. Particular emphasis will be placed on the interplay between historical situation and literary production.

#### UIC3615 THE SOCIOLOGY OF BIBLICAL LITERATURE

The primary goal of this seminar is to explore who wrote the Bible. Associated with the above inquiry, it will also touch upon the concept of 'Christ (Messiah).' The last topic to address is the name of God, Yahweh or Jehovah in the Bible.

#### UIC3617 MASCULINITIES, MODERNITY, AND MEN

From Samurai Warriors and Salarymen of Japan to Beautiful Boys and Grass-Eating Men of South Korea, the archetype of masculinity have changed over time. This course examines public discourses and media projections of masculinity, primarily in Japan and South Korea. Focusing on shifting moments in history, students will explore how gendered social order comes into play and governs the way in which men perceive themselves or negotiate with projected images. Some of the primary social sites that will be focused are sexuality, military, and popular culture.

#### UIC3618 ADVANCED STUDIES IN POETRY

Two of the most important & influential American poets of the 20th-century, Wallace Stevens (by day an insurance executive) & William Carlos Williams (a practicing physician) shared an overriding concern with reality, with things as they really are. The aim of this course, then, is to explore the singular ways in which Williams & Stevens sought to poetically forge a more significant relationship between human perception or imagination & the "real" things of this world, while also determining where their poetic sensibilities diverge & might actually merge.

#### UIC3619 MODERNITY AND FASHION THEORY

In the first part of the course, students will explore a range of approaches to the analysis of fashion, examining the concept of fashion from the perspectives of semiotics and communication, the construction of identity, consumerism and commodity fetishism, and counter-cultural expression. To conclude the semester, students will consider two postwar inheritors of Dada and Surrealism—The Situationist International and Punk— and their engagement with



fashion as a way of mediating between art and politics.

#### UIC3629 LITERATURE AND PEDAGOGY

This seminar will offer an overview of the history of (English) literature pedagogy in the 20th (and 21st) century, allowing us to consider some of the fundamental questions and assumptions--as well as critical debates--that have informed and determined (consciously or not) the teaching of literature at universities (in the English-speaking world).

#### UIC3631 ADVANCED STUDIES IN FICTION AND PROSE

This seminar will take as its focus what the Austrian writer Robert Musil called "essayism," or a mode of literary investigation that is simultaneously imaginative and digressive, open-ended and rigorous. Concluding the course with Musil's unfinished modernist epic, *The Man without Qualities* (often mentioned alongside Joyce's *Ulysses* and Proust's *In Search of Lost Time*), our preliminary readings will take us through the works of three essayists who significantly informed and influenced Musil: Montaigne, Emerson, and Nietzsche.

#### UIC3638 GENDER IN EURASIAN HISTORY

The purpose of this course will be to introduce students (both male and female) to the history and significant issues of feminisms in the west—especially third wave feminisms, i.e., those that move beyond gendered difference to also examine difference along axes of class, sexual orientation, gender identity and expression, race, ethnicity, and nationality.

#### UIC3644 TOPICS IN MODERNISM

This seminar investigates specific topics related to modernist art, literature, and theory.

#### UIC3647 TOPICS IN CRITICAL THEORY

This seminar will expose students to methods of social and cultural critique drawn from the humanities and social sciences

#### UIC3648 STUDIES IN MODERN EUROPEAN LITERATURE

This course focuses on key texts of the European literary tradition between the 19th century and the present. Through close reading, students will explore the philosophical, political, and ethical issues raised in these texts and learn to situate their concerns in historical context.

#### UIC3649 TOPICS IN CULTURAL STUDIES

In this seminar, students will learn to interpret different social and cultural "texts" (e.g., films, television shows, artworks, advertisements, etc.), with an eye towards discerning the political dimensions of culture.

#### UIC3659 TOPICS IN FEMINISM

This course is concerned with the interpenetrations of feminist thinking and literary style. Beginning with Virginia Woolf's *A Room of One's Own* and *Three Guineas*, students will consider such feminist figures as Simone de Beauvoir, Adrienne Rich, Julia Kristeva, and Judith Butler.

#### PHILOSOPHY

##### UIC3552 MODERN GERMAN PHILOSOPHY

The aim of this course is to provide students with a survey of some of the major texts of the German philosophical tradition. These texts cover a diverse range of topics, including epistemology, aesthetics, the philosophy of history, and political philosophy and economics. This course should thus also serve as a historical introduction to the "Continental" tradition of philosophy.

##### UIC3555 COMPARATIVE POLITICAL PHILOSOPHY

This course looks at political philosophy from both Eastern and Western perspectives, looking in particular at the liberal tradition in the West and the Chinese tradition in the East. Our goal is not only to understand these as separate traditions, but to come to an understanding of the ways in which they can interact with each other.

##### UIC3559 TOPICS IN THE PHILOSOPHY OF SCIENCE

An exploration of major topics within contemporary philosophy of science.

##### UIC3563 INTRODUCTION TO CONTINENTAL PHILOSOPHY

This course seeks to introduce students to the exciting and challenging world of continental philosophy through a close study of the writings of such thinkers as Martin Heidegger, Edmund Husserl, Immanuel Levinas, Jacques Derrida, and Giorgio Agamben. The content of the course will change from semester to semester, and may be organized around either an author, text, or theme.

##### UIC3568 TOPICS IN CLASSICAL GREEK PHILOSOPHY

The aim of this course is to study key texts of Classical Greek political thought, ranging from the Presocratics and Sophists and early Platonic dialogues, to the middle and late works of Plato, and, finally the ethical and political thought of Aristotle.

##### UIC3573 THE GOOD LIFE

This course examines what "the good life" consists of. Students will begin with an examination of consumerism and how consumption and status dominates many of the decisions we make with what to do with our limited time on this planet. In the first half of the class students deal explicitly with money and explore how career choices and the desire for high-salaried jobs interact with consumerist aspirations. In the second half of the course students will assume that, one way or another, our pecuniary needs are satisfied. The course culminates in one final paper where the student argues for and expands on a particular philosophy of life, and integrates this philosophy into their career path.

#### UIC3574 FORMAL METHODS

This course examines good decision-making, understood as rational decision-making. The course has two components:

1. Decision theory 2. Game theory.

#### UIC3578 AESTHETICS, POLITICS AND HISTORY IN KANT

Immanuel Kant's "Copernican revolution" in philosophy transformed the intellectual landscape of Europe at the end of the 18th century, and helped shape the modern world view. In this class students will study the connection between aesthetics, politics, and history in his work. The centerpiece of the course will be a study of the third critique, the Critique of Judgment.

#### UIC3585 TOPICS IN GERMAN IDEALISM

The aim of this course is to study the philosophy of Schelling, in the context of German Idealism, through a study of several representative texts.

#### UIC3586 TWENTIETH-CENTURY PHILOSOPHY OF SCIENCE

This course will provide a high-level introduction to important issues within contemporary philosophy of science. Critically engaging with these questions will help students develop several important intellectual skills, including the ability to comprehend and analyze difficult ideas, to reason responsibly towards formulating your own considered judgments, and to argue convincingly for these.

#### UIC3593 THE POLITICAL PHILOSOPHY OF GIORGIO AGAMBEN

In this course, students will explore Agamben's political thought through a close reading of his major works. Students will pay special attention to the complex role that poetry and aesthetics play in his thought.

#### UIC3595 METAPHYSICS: SELF, IDENTITY, AND FREE WILL

This philosophy seminar is concerned with investigating the relations of the self, identity, and free will.

#### UIC3605 TOPICS IN CONTINENTAL PHILOSOPHY

Even though economists and political theorists often believe that "production" is the most fundamental human activity, it is becoming increasingly clear that it is not first of all as producers, but as consumers, that we exist on this earth. Yet: consumption remains an obscure and little understood concept. The aim of this class is to explore the history of the concept of consumption, and work toward a better understanding of what it means to exist as consumers.

#### UIC3636 PHILOSOPHY OF PSYCHOANALYSIS

This course will explore the philosophical and scientific status of Freud's psychoanalytic theories.

#### UIC3643 MAJOR PHILOSOPHERS

This course is designed to focus on the work of a single major philosopher. Philosophical readings by the central figure may be supplemented in some cases by important scholarship, readings from other philosophers on related themes, and/or relevant biographical or historical material.

#### UIC3654 PHILOSOPHY OF KNOWLEDGE

How do we know what we know? This is one of the classic questions of philosophy. In this class students will study theories of knowledge and related topics such as belief, evidence, and justification. Students will also consider questions such as: What is the nature of knowledge and justification? Can we come to know things only by use of our senses and reasoning or are there other resources by which we can acquire knowledge? Is justification something that is entirely internal to one's own mind? What is the structure of justification? What is evidence? What are the limits of our knowledge?

#### UIC3655 PHILOSOPHY OF RACE AND GENDER

Race and gender are central to human experience. In this upper level seminar students will be asked to think and write critically about the reality of race and gender - the extent to which they are genuine, objective categories and the extent to which they are human constructions.

#### POLITICAL SCIENCE

#### UIC3657 SOCIOLOGY OF EDUCATION

Sociologists who study education utilize various theories and empirical methodologies in order to understand the relationship between schools and society. This course will examine the role of education as a social institution from a sociological perspective. It will begin by discussing the history, goals, and major sociological theories of education and

then move on to examine a range of selected topics in education.

#### PSYCHOLOGY

##### UIC3511 MORAL PSYCHOLOGY

Specific topics for this course include: whether moral beliefs are innate or the result of learning; to what extent moral decisions are based on reasoning or emotions; whether evolutionary theory can explain our moral attitudes about altruism, sexual promiscuity, and other topics; and whether our natural propensity to act self-interestedly places limits on our duties to help others.

##### UIC3525 ABNORMAL PSYCHOLOGY

The goal is to provide a general overview of the major psychological disorders that integrates research and theory rather than to give an exhaustive review of the voluminous research that has been conducted in this field.

##### UIC3538 MARRIAGE AND THE FAMILY

The purpose of this course is to give students a broad overview of the psychological challenges of finding a partner and creating a family. Students will start out by building a theoretical understanding of family issues but then move on to apply these understandings to our own lives and families.

##### UIC3529 SHINHAN SEMINAR: LITERATURE

##### UIC3591 SHINHAN SEMINAR: PHILOSOPHY

##### UIC3596 SHINHAN SEMINAR: HISTORY

Shinhan Seminars are a special learning opportunity available only to UIC students. Funded by a generous contribution by the Shinhan Bank, the Shinhan Visiting Faculty program brings top professors in the humanities from universities around the world to teach at UIC. The key component of each Shinhan Seminar is an intensive course late in the semester, when students attend class with the visiting professor each day for two weeks. During the preceding weeks of the semester, one or more faculty in the Common Curriculum provide students in the class with the background knowledge necessary to make the most of the visiting professor's expertise during the intensive course.

##### UIC4801 SENIOR THESIS: AN INDEPENDENT STUDY

The senior thesis is the culmination of a UIC student's studies. The thesis must be a written document presenting the results of the student's independent and original research on a focused topic.

#### UIC ELECTIVES

After taking the required common curriculum courses, students have the option of selecting from among the "UIC Electives."

##### UIC1601 TOPICS IN FICTION

This creative writing course will explore topics, techniques, and genres of modern storytelling. Ranging from fairy tales to literary horror, the course will feature novels and short-story collections from around the world. After the first few weeks of literary analysis, students will create original works of fiction that will be reviewed in small and large discussion groups.

##### UIC1709 INTRODUCTION TO LAW

This course can be taken by students interested in pursuing a career in law after graduation from college. It introduces the substantive law that regulate our lives and the society as well as the mechanisms for enforcements and changes to its rules.

##### UIC1801 INTRODUCTION TO KOREAN STUDIES

This class will provide a general overview of Korean history, culture, literature from earliest times to the present. In addition to readings from historical and literary sources, the course will introduce film both to elucidate certain points about culture and history, and as an important Korean cultural product itself.

##### UIC1802 INTRODUCTION TO MUSIC AND ITS MEANING

The aim of this course is to provide you with the tools to become intelligent listeners of music. After learning to recognize and describe formal elements of music, such as melody, harmony, rhythm, texture, timbre, musical form students will study the history of Western classical music, mainly from the Baroque period to the Romantic period.

##### UIC1910 UIC RESEARCH PROJECT - GLOBAL

##### UIC1923 UIC RESEARCH PROJECT - KOREA

This course aims to strengthen UIC students' research ability by conducting a research project with fellow students as a team. Topic of the research could be selected from a variety of fields such as humanities, social sciences, science and engineering fields, etc.

##### UIC2002 JUNIOR SEMINAR

The purpose of this course is to provide opportunities for the students to understand the introductory aspects of their major areas. Furthermore, the professors and the students will be able to build better academic and research

relationships through this seminar.

#### UIC2313 INTRODUCTION TO CREATIVE WRITING

In this course students will be introduced to the workshop method of creative writing instruction in the fiction genre. Students will read published novels and short stories, produce fiction of their own, and write critiques and feedback in response to their peers' work. At the end of the term, students will submit a portfolio of revised material which will be evaluated for a final grade.

#### UIC3101~3105 DISTINGUISHED VISITING FACULTY SEMINAR

UIC has adopted a rotating endowed senior visiting professorship. The courses will involve intensive reading, discussions, and attendance at small seminars as well as public lectures, and will involve topics determined by the visiting faculty member's research interests.

#### UIC4803 SHINHAN VISITING FACULTY SEMINAR

## ● COMPARATIVE LITERATURE AND CULTURE ●

### Goal

The Comparative Literature and Culture (CLC) major is designed to engage students in the basic principles of reading and understanding literature, as well as to provide students with literacy in global cultures. The "reading" of literature will draw upon historical and contemporary literatures, and emphasize how literature can be a medium through which cultural and social diversity can be represented. Students will be able to take courses that are based on national literatures or historical periods, as well as courses in comparative cultural studies.

### Curriculum

The major will emphasize the interdisciplinary networking of diverse literary works based in several cultures, and will explore questions of cultural identity, cultural hybridity, national literatures, and contemporary media literacy. In our increasingly global society, students who expect to participate in the international arena must be sensitive to the unique cultural heritages of our societies as well as to contemporary cross-cultural currents. As such, the CLC major is designed to encompass the tools and methods of "Cultural Studies." We understand "literature" to include not only the traditional forms such as the novel, poetry, or drama, but also to include texts of cultural theory, historical artifacts, film, media, and the arts.

### Career

As citizens in a global, technology-driven world, students will take a range of courses, from traditional courses on literature and comparative theory, to courses in film and media literacy. The CLC major will train students to recognize the increasingly cosmopolitan means through which cultures meet, mingle, and achieve hybridity in our contemporary society. CLC should be an excellent springboard for those wishing to enter graduate school in the fields of literature, law, or medicine. Students may also engage in careers related with creative writing, performing arts, mass media, or new venture business that requires creative imagination.

### Faculty

Drawing on faculty from the Departments of Korean Language and Literature, Chinese Language and Literature, English Language and Literature, Russian Language and Literature, and other departments within the College of Liberal Arts, the CLC major emphasizes the study of comparative cultures.

## ○ Curriculum Chart ○

Classification Abbreviation : CC-Common Curriculum, UICE-UIC Elective, MB-Major Basic, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	UICE	CLC1002	INTRODUCTION TO CULTURAL STUDIES	3	3(0)
	UICE	CLC1003	INTRODUCTION TO LITERARY STUDIES	3	3(0)
2	UICE	CLC2001	FILM AND LITERATURE	3	3(0)
	ME	CLC2101	SURVEY OF KOREAN LITERATURE [K]	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	CLC2102	KOREAN AND JAPANESE LITERATURE FROM THE COLONIAL PERIOD [K]	3	3(0)
	ME	CLC2103	CULTURAL SEMIOTICS IN EAST ASIA I	3	3(0)
	ME	CLC2104	KOREAN STUDIES AND VISUAL ART [K]	3	3(0)
	ME	CLC2105	KOREAN AMERICAN WRITERS [K]	3	3(0)
	ME	CLC2106	THE EPIC NOVEL	3	3(0)
	ME	CLC2107	IMAGINATIVE WRITING	3	3(0)
	ME	CLC2108	MODERN KOREAN LITERATURE IN TRANSLATION [K]	3	3(0)
	ME	CLC2109	POETRY IN FORMS	3	3(0)
	ME	CLC2111	KOREANNESS ACROSS TIME AND SPACE	3	3(0)
	ME	CLC2112	CROSS-CULTURAL INTERACTIONS	3	3(0)
	ME	CLC2114	SUSTAINABLE KOREA: HISTORY, MEMORY AND HERITAGE	3	3(0)
	ME	CLC2401	MYTH AND CULTURE	3	3(0)
	ME	CLC2402	REPRESENTATION OF GENDER AND RACE IN POPULAR CULTURE	3	3(0)
	ME	CLC2403	EIGHTEENTH-CENTURY MODERNITY	3	3(0)
	ME	CLC2701	MAJOR FICTIONS OF ASIAN WRITERS	3	3(0)
	ME	CLC2702	POSTCOLONIAL LITERATURE IN ENGLISH	3	3(0)
	ME	CLC2704	EXPLORING CULTURE	3	3(0)
	ME	CLC2705	BRAVE NEW WORLDS: EXPLORING IN SCIENCE FICTION	3	3(0)
	ME	CLC2706	SURVEY OF ASIAN AMERICAN LITERATURE	3	3(0)
	ME	CLC2712	READING LYRIC POETRY: FROM RENAISSANCE TO ROMANTICISM	3	3(0)
	ME	CLC2713	POIESIS OF POETRY	3	3(0)
	ME	CLC2720	FILM AND MUSIC(THE HISTORY OF OST)	3	3(0)
	ME	CLC2721	100 YEARS OF HOLLYWOOD CINEMA	3	3(0)
	ME	CLC3725	METHODS AND MODES OF FICTION WRITING	3	3(0)
	ME	ELL2506	INTRODUCTION TO BRITISH CULTURE	3	3(0)
	ME	IID2013	THEORIES AND PRACTICES OF PUBLIC ART	3	3(0)
	ME	KOR2318	NEW MEDIA AND MULTIMODAL COMPOSITION	3	3(0)
3	ME	CLC3101	RETHINKING KOREAN NATIONAL LITERATURE AND IDENTITY [K]	3	3(0)
	ME	CLC3102	CULTURAL SEMIOTICS IN EAST ASIA II [K]	3	3(0)
	ME	CLC3103	KOREAN FILM STUDIES [K]	3	3(0)
	ME	CLC3107	THE CULTURAL POLITICS OF THE 21ST CENTURY	3	3(0)
	ME	CLC3108	KOREAN MODERNITY AND POPULAR CULTURE	3	3(0)
	ME	CLC3109	ASPECTS OF RHETORICAL CRITICISM	3	3(0)
	ME	CLC3110	CONCEPTS OF HUMAN BEING	3	3(0)
	ME	CLC3112	POETRY STUDIO	3	3(0)
	ME	CLC3401	MEDIEVAL CULTURE AND CONTEMPORARY FILM	3	3(0)
	ME	CLC3402	RUSSIAN LITERATURE AND VISUAL ARTS	3	3(0)
	ME	CLC3501	LITERATURE AND LAW	3	3(0)
	ME	CLC3701	DRAMATIC WRITING	3	3(0)
	ME	CLC3704	POSTCOLONIAL LITERATURE IN ENGLISH	3	3(0)
	ME	CLC3705	EAST ASIAN CINEMA AND CULTURAL CROSSING	3	3(0)
	ME	CLC3708	MANGA: THE ILLUMINATED TEXT	3	3(0)
	ME	CLC3709	READINGS IN MEDIEVAL EUROPEAN LITERATURE	3	3(0)
	ME	CLC3710	DOCUMENTARY FILMMAKING	3	3(0)
	ME	CLC3711	EXPERIMENTS IN AUTOBIOGRAPHY	3	3(0)
	ME	CLC3712	TOPICS IN THE COMPARATIVE PHILOSOPHY OF CULTURE	3	3(0)
	ME	CLC3713	INTRODUCTION TO CONFUCIANISM	3	3(0)
	ME	CLC3714	TOLKIEN'S FANTASY LITERATURE	3	3(0)
	ME	CLC3715	ISSUES IN CONTEMPORARY CULTURE	3	3(0)
	ME	CLC3722	CHINESE NARRATIVE: ARCHETYPES AND MASTERPIECES	3	3(0)
	ME	CLC3728	ROCK MUSIC AND AMERICAN IDENTITY	3	3(0)
	ME	CLC4702	METROPOLITAN LITERATURE AND CULTURE	3	3(0)
	ME	ELL3306	BRITISH INTELLECTUAL HISTORY	3	3(0)
	ME	ELL3404	READING CHILDREN'S LITERATURE AND CULTURE	3	3(0)
	ME	ELL3603	BRITISH ROMANTICISM	3	3(0)
	ME	ELL3702	ENGLISH NOVEL AND FILM	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	ELL3703	THE 19TH-CENTURY ENGLISH NOVEL(1)	3	3(0)
	ME	ELL3706	THE 19TH-CENTURY ENGLISH NOVEL(2)	3	3(0)
	ME	ELL3708	THE 18TH-CENTURY ENGLISH NOVEL	3	3(0)
	ME	ELL3902	THE WESTERN CLASSICAL TRADITION	3	3(0)
	ME	ELL3903	ENGLISH RENAISSANCE LITERATURE	3	3(0)
	ME	ELL3907	VICTORIAN LITERATURE AND CULTURE	3	3(0)
	ME	ELL3916	POETRY, DRAMA AND PERFORMANCE	3	3(0)
	ME	ELL3934	FICTIONS OF APOCALYPSE	3	3(0)
	ME	KOR3529	KOREAN LITERATURE AND HISTORY	3	3(0)
3,4	ME	KOR3535	PRODUCING CREATIVE CONTENTS	3	3(0)
	ME	CLC3716	TOPICS IN THE COMPARATIVE PHILOSOPHY OF NATURE	3	3(0)
	ME	CLC3718	TOPICS IN THE COMPARATIVE PHILOSOPHY OF HISTORY	3	3(0)
	ME	CLC3719	EUROPEAN MODERNISM	3	3(0)
	ME	CLC3720	THE LITERATURE AND CULTURE OF DREAMS	3	3(0)
	ME	CLC3721	LITERATURE AND FILM IN MODERN CHINA	3	3(0)
	ME	CLC3723	PEACE, FREEDOM, JUSTICE: THE CULTURAL ETHOS OF THE DEMOCRATIC CONSTITUTIONAL STATE	3	3(0)
	ME	CLC3724	VICTORIAN ODDBALLS: VICTORIAN LITERATURE IN A TRANSNATIONAL CONTEXT	3	3(0)
	ME	CLC3731	ETHNIC HISTORIES AND POLITICS IN ASIAN AMERICAN NOVEL	3	3(0)
	ME	ELL3310	INTRODUCTION TO LITERARY STYLISTICS	3	3(0)
	ME	ELL3921	ENGLISH BIBLE AND ENGLISH LITERATURE	3	3(0)
	ME	ELL3929	UTOPIAN LITERATURE AND THOUGHT	3	3(0)
4	ME	ELL3932	ART OF THE SHORT FICTION FILM	3	3(0)
	ME	CLC4701	CONTEMPORARY CULTURAL THEORY	3	3(0)
	ME	CLC4702	METROPOLITAN LITERATURE AND CULTURE	3	3(0)
	ME	CLC4703	KOREAN DIASPORA IN LITERATURE [K]	3	3(0)
	ME	CLC4704	SELECTED TOPICS IN EAST ASIAN CULTURAL STUDIES	3	3(0)
	ME	CLC4705	LANGUAGE, MYTH & THE CONCEPT OF CULTURE	3	3(0)
	ME	CLC4706	CHRISTIANITY AND THE WESTERN CIVILIZATION	3	3(0)
	ME	CLC4709	SENIOR THESIS WRITING	3	3(0)
	ME	CLC4710	SEMINAR & WESTERN LITERATURE: THE LITERATURE OF THE AXIS OF EVIL	3	3(0)
	ME	CLC4711	EAST ASIAN RELIGION AND CULTURE [K]	3	3(0)
	ME	CLC4712	POPULAR CULTURE: CUTE NEW WORLD	3	3(0)
	ME	CLC4713	UNDERSTANDING THE CULTURE OF MODERNITY: THE FATE OF RELIGION IN THE WESTERN WORLD	3	3(0)
	ME	CLC4714	TOPICS IN THE COMPARATIVE PHILOSOPHY OF LITERATURE	3	3(0)
	ME	CLC4715	SEMINAR IN PROFESSIONAL WRITING	3	3(0)
	ME	CLC4719	TRADITION AND POPULAR CULTURE IN ASIAN THEATER	3	3(0)
	ME	CLC4721	HUMANITIES AND RELATED FIELDS	3	3(0)
	ME	ELL4905	MODERNITY AND ORIENTALISM	3	3(0)
	ME	ELL4910	VICTORIAN LITERATURE AND CULTURE	3	3(0)
	ME	ELL4919	COMPARATIVE ENGLISH LITERATURE	3	3(0)
	ME	ELL4921	MODERNITY AND THE IDEA OF THE SACRED	3	3(0)
	ME	ELL4922	LITERATURE AND REVOLUTION	3	3(0)
	ME	ELL4924	SOUTH KOREAN AND U.S. MELODRAMA	3	3(0)

[K] denotes the course can be counted toward the Korean Studies minor.

### ○ Major/Minor Requirements ○

- Major: 42 credit-hours required within CLC course offerings (CLC1002 and CLC1003 are optional and do not count for major credit). CLC majors are also encouraged to take foreign language courses offered by the Chinese, German, French, and Russian Language and Literature departments within the College of Liberal Arts, and also by University College (Japanese and Spanish only from University College). Up to 9 credits (of which 6 must be in the same language) of foreign language courses other than English can count towards fulfillment of CLC credit requirements. Courses taken to fulfill UIC overall language requirements cannot be double counted towards fulfillment of CLC

credit requirements. Furthermore, up to 12 credits taken in from related fields (Chinese, English, German, French, and Russian literature, and other majors with prior approval from the Chair of CLC) may count towards fulfillment of CLC credit requirements.

- Double major: 36 credit-hours required within CLC course offerings.
- Minor: 18 credit-hours required within CLC course offerings.

## ○ Course Descriptions ○

### CLC1002 INTRODUCTION TO CULTURAL STUDIES

An analysis of the philosophical origin, cultural theories, diversity, and unity of East and West. Emphasis will be placed on literary development, philosophical traditions, cultural continuity, and change. Writings which are of particular interest both as literature and as philosophy will be considered.

### CLC1003 INTRODUCTION TO LITERARY STUDIES

This course introduces students to the basic terminology and methodology employed in contemporary literary studies. While emphasizing the theoretical side of literary studies, the course will also focus on the practical aspect of conducting research and writing critical essays.

### CLC2001 FILM AND LITERATURE

This course will explore the basic concepts of film and literature. We will examine the wide range of cinematic and literary forms and styles through which topics of emotion, identity, and technology are experimented and structured. Also, through the consideration of rhetoric commonly expressed in film and literature, the course will investigate the socio-cultural background that contextualizes these topics.

### CLC2102 KOREAN AND JAPANESE LITERATURE FROM THE COLONIAL PERIOD

This course revolves around the question of how the colonized subject's identity is shaped within the colonial context. In order to understand this question, this course explores the emergence and development of modern Korean literature in the context of its relationship to modern Japanese literature. We will read texts of Korean and Japanese literature.

### CLC2103 CULTURAL SEMIOTICS IN EAST ASIA I

An examination of the major intellectual, aesthetic, and philosophical trends in the process of East Asian history. By reading translations of original source material, the student will be able to see the principal modes of East Asian cultural thought from their origins through the modern period. The impact of the West on contemporary East Asian society will also be discussed.

### CLC2104 KOREAN STUDIES AND VISUAL ART

The course explores the ways in which the visual field has been formed and how national identity is configured in this formation as is articulated in modern Korean cultural texts. We will examine issues of pornography, fashion, tourism, and spectatorship against the backdrop of modern Korea's experience of colonialism, nationalism, war, and industrialization.

### CLC2105 KOREAN AMERICAN WRITERS

This course will focus on American writers of Korean descent, reading works that bridge the Pacific Ocean. We will consider how Koreans have narrativized the American immigrant journey and/or the motif of the "American dream," how Korean American writers have reanimated or fantasized about a Korean past, and how they represent a diversity of critical and literary perspectives on the Korean-American experience.

### CLC2106 THE EPIC NOVEL

As George Lukács famously put it, the novel is the epic of the modern age in which epic totality is no longer possible. Yet as Lukács immediately would add, not all novels deserve that honour of standing in for the epic. In this course we will be reading the great (in quantity and quality) novels which veritably embody an epic totality of the modern world—with all its inevitable contradictions and idealism — such as Cervantes' *Don Quixote*, Balzac's *Lost Illusions*, Tolstoy's *Anna Karenina* and Joyce's *Ulysses*.

### CLC2107 IMAGINATIVE WRITING

This course involves inscriptive expression in a variety of forms including poetry and prose. Those who wish to write imaginatively in any form are welcome. We will experiment with the poem and short story through exercises and imitation.

### CLC2109 POETRY IN FORMS

Consider the maxim: "Form is never more than an extension of content, and content never more than an extension of form." (Robert Creeley) In this course we will explore and experiment with poetry by writing and reading it in

various forms such as the sonnet, sestina, villanelle, ottava rima, sijo, haiku, ghazal and calligram. Developing our poetic sensibilities and muscles through these exercises will lead us to invent our own forms.

#### CLC2111 KOREANNESS ACROSS TIME AND SPACE

In this course we will be exploring the notions of ethnicity, cultural identity and its components through the examination of "Koreanness" or the Korean character across time and space. On the theoretical side, we will review contrasting definitions and understandings of ethnicity and cultural identity, and explore their connection to related notions such as race, family, place and national citizenship. We will then consider the multiple dimensions making up cultural identity and their context-dependency by examining characteristic Korean traits in the realm of politics, social organization, economic activity, social psychology and life cycle configuration in different historical periods, and by considering the changing narratives, motifs and meanings that sustain them.

#### CLC2112 CROSS-CULTURAL INTERACTIONS

In this course you will be exploring the dynamics of cross-cultural interaction through the examination of a number of historical texts on cultural encounters and cross-cultural experience. The selection will include first-hand sources such as narratives taken from early travel literature, missionary writings, sojourners' diaries and cross-cultural novels or films, together with a limited number of academic texts on the topic. The goals are both practical and theoretical: On the one hand, the consideration of specific cases of cultural interaction at the micro level will allow you to broaden your historical-empirical knowledge and understanding of cross-culturalism, which in turn might help refine your literacy on issues related to cultural difference, similarity and coexistence. On the other hand, through systematic analysis and discussion of the texts proposed, you will be encouraged to identify patterns of cultural interaction and to put existing macro level concepts, categories and theories on cross-cultural experience to the test.

#### CLC2114 SUSTAINABLE KOREA: HISTORY, MEMORY AND HERITAGE

This course explores a cultural history of Korea through tangible and intangible heritages. Heritage is the material and spiritual culture that we have inherited from our ancestors. As a window to understand the history, culture, and people's lives of Korea, we will examine national treasures, historical artifacts, particularly preserved at Yonsei, and heritage entries registered with UNESCO. Special emphasis will be placed on the interplay between performance and tangible texts, trans-national interactions with neighboring states, and the construction of the cultural identity of Korea.

#### CLC2401 MYTH AND CULTURE

As Joseph Campbell shows us in his life-long study of myth, there are certain universal qualities that govern myths throughout the world. We will begin with a brief consideration of what myths are and why they are relevant, followed by a survey of representative theories of mythology. Then we move on to read classical myths and the cultural elements that gave rise to particular myths.

#### CLC2402 REPRESENTATION OF GENDER AND RACE IN POPULAR CULTURE

This course will offer an introductory study of the historical and theoretical issues underlying representation of gender and race in popular culture. Course reading materials will take a theoretical approach to the ways to analyze femininity and masculinity, and visual materials will show the history of dominant representations of Asian women in Western culture.

#### CLC2403 EIGHTEENTH-CENTURY MODERNITY

In this course we will be making a cultural and literary journey to 18th century Britain, including excursions to the continent, especially France, for points of comparison. The objective of our investigation is to locate and uncover the origins of our modern civilization, many of whose institutions - parliamentary democracy, market economy, journalism, etc. - were either born or developed in 18th century Britain.

#### CLC2701 MAJOR FICTIONS OF ASIAN WRITERS

The main focus of this class will be centered on Korean and Japanese novels. Getting through the process of modernity of the twentieth century, writers of these countries have experienced a similar literary evolution, consequently, their works show similarity in building up of leitmotif and making use of narrative devices.

#### CLC2702 POSTCOLONIAL LITERATURES IN ENGLISH

This course expands its scope to selected works from diverse literatures, both before and after the "official ending" of colonialism, produced in the ex-colonies of the British Empire as well as in Anglo-America. The goal of this course is to foreground and analyze the social and political agenda of literary works in English and, ultimately, to reach an understanding of the multivalent, often ambivalent, relationship that literature has formed with culture.

#### CLC2704 EXPLORING CULTURE

The main objective of the course is to enable students to critically assess various cultural phenomena on a global, regional, and local scale. Students should master the basic terminology and analytical tools of cultural studies and build the capacity to engage critically and analytically with the exciting and pressing issues of today's world.



#### CLC2705 BRAVE NEW WORLDS: EXPLORING IN SCIENCE FICTION

In this survey course, we will explore the humanity's search for ideal worlds through the medium of science fiction. A large portion of the literature centers on the word utopia, coined by Sir Thomas More, is composed of a Greek prefix u- (meaning 'no') and the word topos (meaning 'place'), thus literally meaning "no place." Shadowing this utopian tradition is its darker twin, a dystopian tradition that embodies visions of worlds gone mad or, if sane, inhumanly logical. In this class, we will trace the history of these traditions, beginning with "pre-utopian" texts and working our way eventually up to recent science fiction movies.

#### CLC2706 SURVEY OF ASIAN AMERICAN LITERATURE

This course offers an introductory survey of Asian American literature. We will read major works, beginning with Kingston's *The Woman Warrior*, the book that almost singlehandedly launched the Asian American literary canon. Paying close attention to the socio-political contexts in which Asian American literature has been produced, we will examine the major issues and themes as well as literary elements.

#### CLC2707 ASIA EXTREME AND ASIAN AMERICAN CULTURAL POLITICS

The aim of this course is to probe into the nature of the Asian-ness (or Oriental-ness) that informs contemporary American literary and cinematic narratives on the East. Throughout the semester, we will examine the diverse narrative strategies that exoticize, eroticize, spiritualize and even demonize the East, and ask questions about their political ramifications.

#### CLC2709 INTRODUCTION TO EAST ASIAN ART

In this course, we will study Korean visual culture with a focus on exchanges with East Asian art.

#### CLC2710 NOVEL WRITING

This course will look at the functional, thematic and advanced issues for students to prepare to write long fiction, such as a novella and novel.

#### CLC2712 READING LYRIC POETRY: FROM RENAISSANCE TO ROMANTICISM

This course introduces to the students the great lyric poets of England and Western Europe from the Renaissance to mid-nineteenth century. The emphasis falls equally on phonetic and semantic senses of "reading": i.e., reading aloud to appreciate the "music" of the verses and understanding their layered meanings. I

#### CLC2713 POIESIS OF POETRY

The class will outline and survey poetic technique and form in poetry in the English language and tradition.

#### CLC2720 FILM AND MUSIC(THE HISTORY OF OST)

This course explores the aesthetics and the history of music in film. Following a loose chronology, we will discuss its history from various cultural, artistic and production perspectives. We will watch clips from early Hollywood films to the most current and discuss how music functions within films throughout history.

#### CLC2721 100 YEARS OF HOLLYWOOD CINEMA

This course covers the history of Hollywood cinema of the last 100 years and examines its artistic content and contemporary cultural and social roles; ideally, it serves to develop your general intellectual capacities of the film industry.

#### ELL2506 INTRODUCTION TO BRITISH CULTURE

By examining important examples of the representation of what it means to be "British"?and often, more particularly, what it means to be English?we can hope to understand this complex subject a little better. The first half of the course will deal with the years between the end of the Second World War and the emergence of "Swinging London" in the mid-1960s. The second half of the course will deal with the ascent of Thatcherism and the immediate post-Thatcher era, culminating in the death of Lady Diana Spencer and the ascent of Tony Blair.

#### IID2013 THEORIES AND PRACTICES OF PUBLIC ART

Contemporary arts are installed and practised outside indoor spaces normally called galleries and museums and enter into environments and everyday life of ordinary citizens. We encounter art works or artistic activities on the streets and in non-artistic spaces. What are the social and cultural forces that put art in these new contexts? What does the new phenomenon called "public art" signify to the development of contemporary arts and society. What are the limits and possibilities of public arts. We explore these questions through a wide range of theoretical arguments, history, and contemporary practices of public arts.

#### KOR2318 NEW MEDIA AND MULTIMODAL COMPOSITION

This course is guided by the philosophy of "learning by doing" and "problem/project-based learning" (PBL) rather than giving students instructions on how to use a particular software or device. To that end, students will complete a creative digital project in consultation with the instructor. In addition, there will be other daily course assignments that will entail working with several digital forms (e.g., Adobe products, games (AR/VR) photography, video, data, social

media, etc.).

#### CLC3101 RETHINKING KOREAN NATIONAL LITERATURE AND IDENTITY

In this course, we will study Korean national literature within the context of the creation of the modern nation state. This course questions the approach of viewing Empire as exerting a one-dimensional influence on colonial-era Korean literature, or alternatively of considering the literature as simply a method of colonial resistance.

#### CLC3102 CULTURAL SEMIOTICS IN EAST ASIA II

An examination of the major intellectual, aesthetic, and philosophical trends in the process of East Asian history. By reading translations of original source material, the student will be able to see the principal modes of East Asian cultural thought from their origins through the modern period. The impact of the West on contemporary East Asian society will also be discussed.

#### CLC3103 KOREAN FILM STUDIES

This course surveys aspects of Korean films and film studies. We will examine the history of Korean cinema with the impact of Western film theories and visual materials. The topics of discussion will focus on modern spaces such as movie theatres, new forms of the public sphere and entertainment, and cinematic experiments and expressions of cognitive and practical activities of popular culture.

#### CLC3107 THE CULTURAL POLITICS OF THE 21ST CENTURY

As the possibilities of individual and collective life flounder spectacularly under the pressures of modernity (increasing rate of environmental catastrophe, ceaseless state violence, the crisis of liberal democratic civility and the renewed rise of the far right - to name just a few cheery examples), this class turns to literature and scholarship that interrogate just what possibilities remain.

#### CLC3108 KOREAN MODERNITY AND POPULAR CULTURE

The purpose of this course is to understand modernity in Korean society and how the Korean modernity has affected production of Korean popular culture. Each week, we will examine how contemporary Korean literature, cinema, television drama, performing arts, K-pop industry, advertisement, sports, and government's strategy of branding national image reflect sociopolitical dynamics of Korean modernity. By the end of the course, students will understand concepts of modernity and characteristics of Korean modernity in relation to contemporary Korean culture and society.

#### CLC3109 ASPECTS OF RHETORICAL CRITICISM

In this semester we are going to study Autobiographical Rhetoric under the general heading of Aspects of Rhetorical Criticism, 1) we are going to observe different rhetorical principles of the two classical models of the (male) autobiography: The "Confessions" by Augustine and Rousseau. 2) The next will be the so-called postmodern autobiographies by Roland Barthes and Jacques Derrida. 3) And the last but not the least, as a sample of the contemporary female autobiography, The Cancer Journals by Audre Lorde will complete our semester.

#### CLC3110 CONCEPTS OF HUMAN BEING

In this course we will be surveying conceptions and understandings of the human being and of human life across different religious and philosophical traditions, including more recent scientific accounts. We will consider classic discussions involving issues such as the body and the soul, the relationship of humans with the world, notions of time and history, freedom and determinism, gender, the tension between the society and the individual, human religiosity, human knowledge, human morality and the value of humans.

#### CLC3112 POETRY STUDIO

This course provides a dedicated space for the deeply engaged practice of poetry and introduction to the language and principles of poetic design. Rather than the stretched canvases, oil palettes, turpentine and clay of the visual artist's studio, we will paint and sculpt primarily with words. Each week (or every other week) we will read a book by an accomplished poet from around the world. Upon reading, we will compose our own poems in the manner of that poet via imitation, experiment and collaboration.

#### CLC3401 MEDIEVAL CULTURE AND CONTEMPORARY FILM

This course will try to highlight elements of medieval society, culture, and philosophy represented in contemporary films. It will discuss how medieval culture is represented and reinterpreted in various genres of literature and film (SciFi, children's literature, fantasy, animation, etc.) of the modern and postmodern period of science and consumerism.

#### CLC3402 RUSSIAN LITERATURE AND VISUAL ARTS

This course is designed to study various problems in filmization of text. Students will make a comparative study of narrative structures shown in Russian texts (novels) and film.

#### CLC3501 LITERATURE AND LAW

This course is designed to explore the challenges raised by literature to law at various levels of criminal, civil, and constitutional law. It is ostensibly designed for those interested in legal profession as a career, but it is open to

anyone wishing to reflect on the two alternative, rival, and disjunctive orders of fiction: the man-made law and the representations of law authored by creative writers.

#### CLC3701 DRAMATIC WRITING

In this course, we will practice the craft of writing for film, television and theater. While drafting monologues, dialogues, scenes, scenarios and treatments, we will read a variety of plays, TV scripts and film screenplays. We will also watch and analyze live and recorded interpretations of these texts to learn (1) the art of storytelling on stage and screen; and (2) the traditional rules of dramatic construction (and how to break them).

#### CLC3704 POSTCOLONIAL LITERATURE IN ENGLISH

This course is designed to expose undergraduate students to diverse texts loosely grouped under the category of postcolonial literature. We will start with a discussion of two movies about Australian aborigines with a focus on the way the racial Other is portrayed. Then we will move on to the literary scene of South Africa; we will analyze the racial representations in J.M. Coetzee's *Waiting for the Barbarians* and Alex La Guma's *Time of the Butcherbird*, along with a Hollywood movie about apartheid. We will conclude the semester with a discussion of *Disgrace*, the novel that caused Coetzee to leave his beloved country for good.

#### CLC3705 EAST ASIAN CINEMA AND CULTURAL CROSSING

This course comparatively examines East Asia cinema in the framework of inter/intra-cultural junctures. Through the analysis of stylistics, thematics, and socio-political, historical contexts of cinemas of South Korea, China, Hong Kong, Taiwan, and Japan as well as of Asian-American filmmaking the ways in which these cinemas have been cross-culturally produced and received will be discussed.

#### CLC3708 MANGA: THE ILLUMINATED TEXT

This workshop course begins with the premise that the Manga is a form of illuminated text. From cave wall paintings, ancient Mayan and Egyptian hieroglyphics, and early religious texts to present day Manga (with forays into the Talmud, Blake, Beardsley and Apollinaire along the way) we will trace the development of literature with integral illustrative components while producing our own.

#### CLC3709 READINGS IN MEDIEVAL EUROPEAN LITERATURE

In this course we will be discussing three major themes in medieval literature: 1) the courtly love tradition from its birth in 12th century in Provence through its transformation by the stilnovisti poets and Dante up to its secularization by Petrarch as a precursor of Renaissance humanism, 2) medieval epic as the genre of the father, and its binary opposition between the good and the evil, the group loyalty and the individual interest depicted in *Chanson de Roland*, 3) medieval romance as the genre of sons, and its negotiation between the group and the individual.

#### CLC3710 DOCUMENTARY FILMMAKING

What is documentary? How is it done, and why? Together we will address these questions by producing our own documentary films. Our inspiration will come from (1) extensive fieldwork; and (2) our close viewing, analysis and discussion of a series of documentary films from the dawn of cinema until present.

#### CLC3711 EXPERIMENTS IN AUTOBIOGRAPHY

In this course we will explore how such various people define themselves, reflect on and give meaning to their lives through written expression in order to do so ourselves. The composition of our own autobiographies will entail examinations of the genre and self across cultures, disciplines, and languages.

#### CLC3712 TOPICS IN THE COMPARATIVE PHILOSOPHY OF CULTURE

The aim of this course is to help students understand the role of philosophy within a broad cultural context. Students will be confronted with a variety of perspectives, and will be encouraged to assess their strength from a philosophical point of view - by analysing their basic concepts, their methodology, their arguments and their applicability.

#### CLC3713 INTRODUCTION TO CONFUCIANISM

A general survey of Confucianism in China. Includes basic Confucian texts such as *The Analects of Confucius*, *The Great Learning* and *The Doctrine of the Mean*, with emphasis on those religious and ethical doctrines most essential to the various Asian traditions. Knowledge of Asian languages not required.

#### CLC3714 TOLKIEN'S FANTASY LITERATURE

We will discuss themes involving Tolkien's life, works, and thought, and examine how Tolkien's novels are relevant in our time.

#### CLC3715 ISSUES IN CONTEMPORARY CULTURE

The aim of this course is to understand the nature of language and the ways it interacts with such factors as cultures, gender distinction, discourse contexts, and the like. Though we do not adhere to a particular approach to the study of language and communicative events, we do assume the distinction between 'universal language' and 'particular languages,' as envisaged by N. Chomsky, expecting to draw certain meaningful analogies among linguistic and

non-linguistic parameters.

#### CLC3716 TOPICS IN THE COMPARATIVE PHILOSOPHY OF NATURE

This course will examine some major philosophical and interdisciplinary texts, examining comparative philosophy of nature, taking up the issues such as: the mythological origin of human thought on nature, the anthropological study of primitive thinking on nature, the psychological analysis of human consciousness about nature, comparative philosophy of the human world view, contemporary archaeological grounding of episteme, etc.

#### CLC3718 TOPICS IN THE COMPARATIVE PHILOSOPHY OF HISTORY

The course combines the in-depth understanding of the several classical and modern texts of the history with the critical lecture/discussion of the issues in the comparative philosophy of history.

#### CLC3719 EUROPEAN MODERNISM

This course will follow the development of European modernism from Charles Baudelaire to Samuel Beckett. Through close readings of poetry, prose, and drama, then, we will explore the ways in which some modernist writers responded to the decline of Christianity in European thought, the increasingly frenetic pace of urban life, the emergence of psychoanalysis, Darwinism, and Bergsonism, as well as the unprecedented carnage of World War I ("the war to end all wars").

#### CLC3720 THE LITERATURE AND CULTURE OF DREAMS

In this course, we shall explore how dreams can help us solve problems in waking life by through dream journaling and "dream work." While reading and discussing a variety of the worlds dream literature, not only will we learn from dreamers throughout history, but we shall also develop dream skills through projects of our own.

#### CLC3721 LITERATURE AND FILM IN MODERN CHINA

A solid survey of Chinese literature and film in the modern and contemporary contexts (1919-2010). This class will follow a basically chronological outline while exploring differing regions of China: the May Fourth literature from 1919 to 1949, then mainland China during the Cultural Revolution and Taiwan in the middle of martial law. After the 1980s, writing and films will be situated in the aftermath of the Cultural Revolution, the lift of the martial law in Taiwan, and the transitions made in Hong Kong.

#### CLC3722 CHINESE NARRATIVE: ARCHETYPES AND MASTERPIECES

A survey of Chinese narrative with its differing topical approaches: justice, history and fiction, romance, and the supernatural. This class will explore diversenarrative forms across time and genre: from the Han dynasty inceptions of historical records to Lu Xun's personal essays; from the Tang romance to the Ming-Qing vernacular fiction; from the musical theatre in the Yuan dynasty to the revolutionary model plays during the Cultural Revolution, and also to contemporary cinematic representations of those popular themes.

#### CLC3723 PEACE, FREEDOM, JUSTICE: THE CULTURAL ETHOS OF THE DEMOCRATIC CONSTITUTIONAL STATE

This is a seminar on the political ethos of the West and its main product: the democratic constitutional state. The seminar intends to help you a) identify the core values that explain the political culture of western democracies; b) apply the resulting categories to gain a deeper insight into contemporary events, political trends and democracies in other parts of the world, employing - when relevant - a comparative perspective.

#### CLC3724 VICTORIAN ODDBALLS: VICTORIAN LITERATURE IN A TRANSNATIONAL CONTEXT

This course will explore the fascinating and "weird" culture of the second half of the Victorian period which witnessed scientific developments and commercial expansions as well as social and scientific interest in the 'unnatural'—pathological and the criminal—and the 'supernatural'—pseudo-sciences and the occult. By reading the gothic, sensation, detective, and supernatural stories of canonical and non-canonical writers, we will consider how the discourses bear witness to Victorian experiments with aesthetic, social, and gender boundaries.

#### CLC3725 METHODS AND MODES OF FICTION WRITING

We will examine several fiction genres, stories, authors and themes to outline the range and depth of short fiction. It is of course impossible to survey the entire gamut of fiction, but this class will examine several of the main genre functions and some of its best proponents.

#### CLC3728 ROCK MUSIC AND AMERICAN IDENTITY

Rock and roll music, possibly the biggest cultural export of the United States in the 20th Century, is not just a music style. It is an attitude, spirit, social statement, and badge of identity that carries Zeitgeist of a certain era. There is something about American rock and roll that distinguishes itself from the music from the other parts of the world. Following a loose chronology, this course aims to provide American rock and roll and its narrative history from social, cultural, political, and aesthetical standpoints. In order to examine American rock evolution, our discussions will involve musical elements, visual elements, lyrical contents, and social impact of major American rock artists of the last

century.

#### CLC3731 ETHNIC HISTORIES AND POLITICS IN ASIAN AMERICAN NOVEL

The main goal of this class is, of course, to read and enjoy representative Asian American novels. We will also try to familiarize ourselves with the critical issues evolving around the novels of our choice and analyze the works in the socio-political context.

#### ELL3306 BRITISH INTELLECTUAL HISTORY

This course is devoted to a critical understanding of the major ideas that have influenced the formation of the modern world, such as those inspiring and justifying the capitalist market economy, which have first been formulated in Britain, by going to the very classical texts themselves and analyzing in depth the latent as well as the explicit meaning of the works which gave birth to these ideas. Selections will be made each semester from the representative thinkers such as Hobbes, Locke, Hume, Smith, Bentham, Mill, Marx, Darwin, and Keynes.

#### ELL3310 INTRODUCTION TO LITERARY STYLISTICS

Stylistics aims to render literary judgments about literary texts comprehensible by focussing attention on the linguistic choices embodied in literary texts. The goal of the course is to introduce you to some of the most exciting stylistic analysis and apply it to a variety of literary and filmic texts.

#### ELL3404 READING CHILDREN'S LITERATURE AND CULTURES

This course will offer an exploration of literary and cultural texts for children, for those between 5-12 years old. We will learn about authors and illustrators and the factors involved in a production and circulation of a text including its inception, reception, and censorship. The emphasis of the course, however, will be on how to evaluate a children's story as a piece of literary work in its own right and as a reflection of society, especially its view on children.

#### ELL3603 BRITISH ROMANTICISM

This course aims to help students (1) to understand the Romantic literature as specific, if broad, aesthetic practices and cultural movements which characterized the aesthetic practices of the artists of the period spanning from 1750 to 1830; (2) to familiarize the students with different and experimental genres of the period including gothic, (3) paradigm shifts experienced by the people in the 18th and the 19th centuries; (3) to critically evaluate OUR relationship to the Romantic literature.

#### ELL3702 ENGLISH NOVEL AND FILM

In this course, we will read two novels in depth--Emily Bronte's 1847 masterpiece *Wuthering Heights* and Charles Dickens's *Great Expectations* (1860-61)--and place both in their historical, critical, and cinematic contexts. For each novel, we will be viewing multiple film adaptations of the novel. Assignments will range from critical papers on the novel to writing film reviews and film scripts.

#### ELL3703 NINETEENTH-CENTURY BRITISH NOVEL(1): BRITISH LITERARY REPRESENTATIONS OF THE EAST

This course explores literary representations of the East in nineteenth century. By "East" we consider the actual sites of and Asia as well as a more abstract, imagined "Orientalism." By identifying the implied understanding of the East in these novels, we will begin to reconstruct the ways in which British society depended upon the "Other" to forge an identity of its own distinct "Englishness."

#### ELL3706 NINETEENTH-CENTURY BRITISH NOVEL(2): DECADENCE AND AESTHETICISM AT THE FIN-DE-SIECLE

This course investigates the literary, artistic, and cultural climate that constitute "turn-of-the century," and examines the worlds of art, publishing, law, and literature that defined this time period.

#### ELL3708 THE 18TH-CENTURY ENGLISH NOVEL

This course will cover the major 18th-century 'the rise of the novel' writers--Defoe, Richardson, and Fielding--as well as those who hail from the earlier decades or period.

#### ELL3902 THE WESTERN CLASSICAL TRADITION

This course offers a comparative study and close reading of the major heroic epics of ancient Greece and Rome: Homer's *Iliad* and *Odyssey* (Greece), and Virgil's *Aeneid* (Rome). We will be discussing some key topics: the warrior ethic, the distinction between *kleos* (glory) and *time* (honor), heroic friendship, of *nostos* (homecoming), fate and the gods, oral vs. written poetry, the social function of epic, myth and epic, and the changing nature of heroism.

#### ELL3903 ENGLISH RENAISSANCE LITERATURE

This course surveys playwrights (and poets) in the English Renaissance. We will study, of course, such a colossal figure as Shakespeare, but we will study authors whose names have been eclipsed by Shakespeare such as Marlowe, Kyd, Webster, and Spenser. This era witnessed the rise of English theatre as a secular and commercial form, and the advent of theatre is coterminous with cultural transformations affecting people's changed understandings of religion,

social classes, and nation state. The rise of print-capitalism and the discovery of new worlds in this period radically changed people's philosophy and culture.

#### ELL3907 VICTORIAN LITERATURE AND CULTURE

The Victorian age was a period of tumult and change, of development and progress, of class conflict and shifting gender roles. In this course we will be exploring how the literature and culture of the age reflects the active, vibrant, complicated history and society of this time period. We will read fiction and prose, examine artwork and popular culture, grouped around topics of interest to the Victorians: industrialism, gender, and Empire.

#### ELL3916 POETRY, DRAMA AND PERFORMANCE

Poetry, Drama, and Performance walks students through the basics of poetry and drama, paying special attention to the sounds of the English language. We do extensive analyses of the meaning of the texts in relation to their sound qualities (rhyme, rhythm, meter, alliteration, assonance, onomatopoeia, etc.).

#### ELL3921 ENGLISH BIBLE AND ENGLISH LITERATURE

This course is dedicated to understanding and appreciating the importance of the King James Version (or, the Authorized Version) and its profound influence on English literature (as well as on other realms of the English-speaking world since the 17c).

#### ELL3929 UTOPIAN LITERATURE AND THOUGHT

From ancient to modern times, the desire to envision an ideal human society has long shaped the intellectual culture of the western world. The study of English Literature would be less fruitful and less stimulating were it not for the engagement with the imagination of writers and thinkers seeking to envisage a no-place, which is a literal meaning of utopia.

#### ELL3932 ART OF THE SHORT FICTION FILM

The Art of the Short Fiction Film begins in a basement in Paris in 1895, with the Lumiere brothers' screening of twelve short films, an evening program that heralded the advent of the modern industry of the moving picture. It concludes with the contemporary dominance of YouTube, Vimeo and Netflix, in an age in which digital filmmaking has catapulted the short film once again to international prominence. Between these two dates, the class will look at the subordinate role of the one- and two-reeler "short subjects" during the Hollywood Studio Era; analyze the role of the European and North American film schools and international film festivals in the elevation of the short film after the mid-1950s; study classical and post-classical cinematic technique; trace the reimagining of the Hollywood film studios in the digital era by examining the role of the short film, both as filmed scenario and as possible harbinger of a change or mutation in the viewing habits of its global audience.

#### ELL3934 FICTIONS OF APOCALYPSE

Visions of the end of the world have become common in the for the past decades both in literature and in popular culture. In this course, we will examine narratives dealing with the collapse of civilization and the rebirth of a new society. How have novels and films in the post-World War Two era confronted the fears of social disintegration, ecological disaster, and technological cataclysms? What might these narratives tell us about the world in which we are currently living, which appears perched on the edge of drastic and possibly calamitous changes? We will read novels by George Stewart, Kurt Vonnegut, and Philip K. Dick and view classic and recent films dealing with the end of the world, of humankind, or even of culture itself.

#### KOR3529 KOREAN LITERATURE AND HISTORY

This course is aimed to allow students to reexamine Yeom Sangseop's famous work, Samdae (Three Generations, 1931), through digital media and gaming. Particular attention will be given to a wide variety of digitally mediated narratives (e.g., Naver blogs, Twitter, Instagram, Facebook, YouTube, Gaming, etc.) and the institutions that control these technologies.

#### KOR3535 PRODUCING CREATIVE CONTENTS

This course is guided by the philosophy of "learning by doing" and "problem/project-based learning" (PBL) rather than giving students instructions on how to use a particular software or device. Finally, the aim is not only to learn about but also to practice these methods. To that end, students will develop a serious docu-game with a group of medical students and a venture gaming company.

#### CLC4701 CONTEMPORARY CULTURAL THEORY

Recently cultural studies has become a main issue in the humanities, the social science and even science and technology. In this class, to clarify the ambiguous nature of cultural studies, the main principles and theories of it will be clearly introduced and defined. In doing so, the main concepts of 'Deconstruction,' 'Polyphony,' and 'Semiotics of Culture' will be gradually but thoroughly understood.

#### CLC4702 METROPOLITAN LITERATURE AND CULTURE

While cities are as old as human civilization itself, the modern metropolis, with all its wonders and woes, came into being during the 18th and 19th centuries. Our approach in this course to this vast and complex object, the modern big city, would put emphasis on cultural history, understood not only as history of the metropolitan space but as that of the subject's experience of such space. Literary works, historical documents, and various visual images, mostly dealing with London, Paris, and New York, will form the crowd we encounter in this course on metropolitan culture.

#### CLC4703 KOREAN DIASPORA IN LITERATURE

This class is designed to achieve a higher level of understanding of the 'Cultural Identity of Koreans' through comparative reading of various literary works written by writers who have Korean cultural backgrounds.

#### CLC4704 SELECTED TOPICS IN EAST ASIAN CULTURAL STUDIES

An examination of important topics in East Asian literary thought (e.g., the Confucian aesthetic, Taoist motifs in classical East Asian poetry, narrative technique in traditional fiction.) Readings on important literary and philosophical writings from Korea and China.

#### CLC4705 LANGUAGE, MYTH & THE CONCEPT OF CULTURE

In this class we will study the development of the concept of culture from the 18th century up to the present, paying particular attention both to the symbiotic relationship between theories of culture and theories of language, semiotics, and myth and also to the tense relation between the concept of culture and the concept of ideology.

#### CLC4706 CHRISTIANITY AND THE WESTERN CIVILIZATION

This course aims to help you understand the main ethical and aesthetical features of contemporary Western culture by analyzing its roots in the history of philosophical and religious thought. For that purpose, we will look into some of the salient contents of Judeo-Christian revelation and how they influenced the formation and development of European culture.

#### CLC4709 SENIOR THESIS WRITING

CLC Senior Theses may be undertaken in the field of academic writing as well as literary arts (e.g., in the form of an original novella, collection of short stories, poetry, play/screenwriting, graphic novel, translation, etc.). The senior thesis must be original work produced by the student (not co-authored with advisors, other professors, students, etc.).

#### CLC4710 SEMINAR & WESTERN LITERATURE: THE LITERATURE OF THE AXIS OF EVIL

To read a selection of the contemporary literature of the supposed "axis of evil" states (Iran, Iraq, North Korea). To do this against the backdrop of reconsidering the map of world literatures in English with regard to national and transnational "canons" (selected traditions). Also in this account to consider alternative and counter-"canons." Therefore to consider the function of criticism and the question of literary/aesthetic value.

#### CLC4711 EAST ASIAN RELIGION AND CULTURE

Discussion and research on the major problems related to East Asian culture and religion. Seminar topics alternate yearly with emphasis on Buddhism, Taoism or Confucianism. Comparative analysis of East Asian-Western religious and cultural thoughts will also be made.

#### CLC4712 POPULAR CULTURE: CUTE NEW WORLD

The main objective of the course is to enable students to critically analyze various forms of popular culture and to understand their meaning within a global, local, and glocal social context. Students should articulate opinions and use the tools of cultural studies to analytically observe various aspects of everyday culture.

#### CLC4713 UNDERSTANDING THE CULTURE OF MODERNITY: THE FATE OF RELIGION IN THE WESTERN WORLD

In this course we intend to introduce to one interpreting key to the understanding of modernity and its relationship with postmodernity: the cultural process of secularization and the mental and social changes it brought with it. This course aims to help you reach a deeper insight on our contemporary world and to provide the necessary elements to judge some of its cultural trends.

#### CLC4714 TOPICS IN THE COMPARATIVE PHILOSOPHY OF LITERATURE

This course will examine some major philosophical texts, examining comparative philosophy of literature, taking up the issues such as: the distinctions between sign and symbol, fact and imagination, the mythological origin of literature and philosophy, etc. The selections from the works of Joseph Campbell, Mircea Eliade, Friedrich Nietzsche, Osho Rajneesh, Martin Heidegger, Oswald Spengler, Gilles Deleuze, and others will be discussed.

#### CLC4715 SEMINAR IN PROFESSIONAL WRITING

To prepare students to be effective communicators in the workplace, this course takes a practical approach to writing as it typically exists in the business world. Students will learn the fundamental techniques and formats used in professional communication. The course includes practice in writing business letters, resumes, memos, research writing and reports, and using visual aids. Preparation of a resume and associated job-search documents are included.

#### CLC4719 TRADITION AND POPULAR CULTURE IN ASIAN THEATER

In this seminar course we will read closely the film texts of Bruce Lee's entire cinematic oeuvre (five films, one posthumous) in order to look deeply into the culture, history and philosophy behind the martial art known as Kung Fu. Central to our investigations will be inquiry into the development of the genre as a vehicle for cross-cultural (East-West) influence and inspiration, its etymological origins in *habitus* (skill achieved through practice), as well as Asian masculinity, femininity, and the challenges and possibilities of the Asian male film star for Western audiences.

#### CLC4721 HUMANITIES AND RELATED FIELDS

The tradition of Humanities has never been estranged from issues found in social, scientific, and aesthetic fields. Rather than focusing on a single subject in Humanities, this course attempts to extensively examine the connection between Humanities and other related fields.

#### ELL4905 MODERNITY AND ORIENTALISM

This course examines the relationship between the discourse of European modernity and the practices of European colonialism. The first half of the course reads the canonical texts of Western literature from the Renaissance to the modern period in order to examine their complicity in the Orientalist project of constructing Europe's racial and cultural Other. And the second half explores a variety of postcolonial and multicultural works written by non-white authors to think about the possibility of discursive resistance to Western hegemony.

#### ELL4910 VICTORIAN LITERATURE AND CULTURE

This course explores the literary representation of Victorian women and men under the governing culture of law. From married women's status under the common law as *feme covert* and thus subsumed under the husband's existence, to multiple legal codes governing single women's claims to property and legal representation, women faced an uncertain legal existence during the Victorian era.

#### ELL4919 COMPARATIVE ENGLISH LITERATURES

In this course, we will explore the idea of the apocalypse/post-apocalypse in English literature through the ages. Our main reading will be a trio of powerful contemporary novels (Mitchell, Foer, Ozeki) that treat these topics within defining events of our generation. In between, we will take a step back into history, reading eighteenth and nineteenth century selections (Defoe, Malthus, Shelley, and Jefferies).

#### ELL4921 MODERNITY AND THE IDEA OF THE SACRED

The goal of the course is to help you to strengthen your abilities to analyze and interpret literary and philosophical texts. The rise of scientific reason, the expansion of industry, and the emergence of bourgeois individualism are thought to be developments that have undermined the belief in religion. But even if religion has lost much of its influence over the modern mind, nevertheless, modern men and women still persist in treating certain experiences, beliefs, or ideas as sacred. Whether it is romantic passion, political revolt, or even murderous sacrifices, modern individuals have sought to undergo apotheosis, to raise themselves to the level of the gods.

#### ELL4922 LITERATURE AND REVOLUTION

Political revolutions have been defining events in European modernity. In this course we will examine the literary representations and historical reflections on the French Revolutions of 1789 and 1848.

#### ELL4924 SOUTH KOREAN AND U.S. MELODRAMA

This class will study how melodrama functions in two distinct national cultures, as a trans-generic mode that unites otherwise diverse narrative traditions and media. Using case studies from South Korea and the US, the course introduces students to the formal features that make melodramas recognizable across different cultures; at the same time, it accounts for the origins of important differences between national traditions that can make melodramas strange and unfamiliar outside their native countries.



## ● ECONOMICS ●

### Goal

As the oldest and the most prestigious economics program among Korean universities, we aim to acquaint students with the important economic aspects of the modern society, to familiarize them with techniques for analyzing contemporary economic problems, and to help them develop the ability to understand and evaluate public policy.

### Curriculum

Our curriculum consists of a single unified track. Its purpose is to teach students to think and write clearly about economic problems and policy issues, applying the basic tools and concepts of economic analysis, and using statistical methods where appropriate. More specifically, the core of the curriculum consists of two components: (i) microeconomics which enables students to analyze the behavior of individual economic agents such as consumers and producers at the micro level, and (ii) macroeconomics which helps students to understand the fundamental governing dynamics of the whole economy in the aggregate level. Based on these two core components, our curriculum offers an extensive range of applied economic courses such as econometrics, economic development and growth, industrial organization, international finance, money and banking, law and economics, game and contract theory, and public & political economics.

### Career

Most graduates from our department are working in a variety of sectors in which knowledge of economics is useful, making meaningful contributions to society. First of all, knowledge of economics can be valued in the banking sector including the Bank of Korea and other major commercial banks, in the financial sector including securities companies and investment firms, and in the industrial sector including the leading conglomerate firms in Korea. Also, many graduates can find jobs in newspaper companies as well as in the broadcasting industry. Another noticeable area in which our graduates can find jobs includes the government sector through the Higher Civil Service Examination and the Foreign Service Examination.

### Faculty

The faculty represents a wide spectrum of interests, and conducts research on a broad range of topics. The majority of economics professors are research-active and have published many academic papers in either domestic or international journals. Some professors have research capabilities comparable to the highest international academic standard and have published papers in top-rated economics journals such as *Econometrica*, *American Economic Review*.

## ○ Curriculum Chart ○

Classification Abbreviation : CC-Common Curriculum, UICE-UIC Elective, MB-Major Basic, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	UICE	ECO1001	INTRODUCTION TO ECONOMICS	3	3(0)
		STA1001	INTRODUCTION TO STATISTICS	3	3(1)
2	MB	ECO1101	MATHEMATICS FOR ECONOMICS I	3	3(0)
	MB	ECO1103	PRINCIPLES OF MICROECONOMICS	3	3(0)
	MB	ECO1104	PRINCIPLES OF MACROECONOMICS	3	3(0)
	MB	ECO2101	MACROECONOMICS	3	3(0)
	MB	ECO2102	MICROECONOMICS	3	3(0)
	ME	ECO1102	MATHEMATICS FOR ECONOMICS II	3	3(0)
	ME	ECO2103	INTRODUCTION TO ECONOMIC HISTORY	3	3(0)
	ME	STA2103	MATHEMATICAL STATISTICS I	3	3(0)
	ME	STA2105	STATISTICAL METHODOLOGY	3	3(0)
	ME	STA3109	MATHEMATICAL STATISTICS II	3	3(0)
3,4	ME	ECO2104	HISTORY OF ECONOMIC THOUGHTS I	3	3(0)
	ME	ECO2109	KOREAN ECONOMIC HISTORY [K]	3	3(0)
	ME	ECO3101	GAMES THEORY WITH APPLICATIONS	3	3(0)
	ME	ECO3102	BUSINESS CYCLE THEORY AND FORECASTING	3	3(0)
	ME	ECO3103	DEVELOPMENT AND GROWTH	3	3(0)
	ME	ECO3104	ECONOMETRICS I	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	ECO3105	FINANCIAL ECONOMICS	3	3(0)
	ME	ECO3106	LABOR ECONOMICS	3	3(0)
	ME	ECO3107	AGRICULTURAL ECONOMICS	3	3(0)
	ME	ECO3108	MATHEMATICAL ECONOMICS	3	3(0)
	ME	ECO3109	RESOURCE AND ENVIRONMENTAL ECONOMICS	3	3(0)
	ME	ECO3110	PUBLIC FINANCE	3	3(0)
	ME	ECO3111	REGIONAL ECONOMICS	3	3(0)
	ME	ECO3112	KOREAN ECONOMY [K]	3	3(0)
	ME	ECO3113	POPULATION ECONOMICS	3	3(0)
	ME	ECO3114	WELFARE ECONOMICS	3	3(0)
	ME	ECO3115	PERSONNEL ECONOMICS	3	3(0)
	ME	ECO3116	ECONOMIC POLICY	3	3(0)
	ME	ECO3117	CONTEMPORARY ECONOMIC THEORY	3	3(0)
	ME	ECO3118	FINANCIAL RISK: MEASURE AND CONTROL	3	3(0)
	ME	ECO3119	INTRODUCTION TO FINANCIAL ENGINEERING	3	3(0)
	ME	ECO3120	INTRODUCTION TO FINANCIAL ENGINEERING II	3	3(0)
	ME	ECO3121	HISTORY OF ECONOMIC THOUGHTS II	3	3(0)
	ME	ECO3122	MATHEMATICS FOR FINANCE	3	3(0)
	ME	ECO3123	CONTRACTS AND ORGANIZATIONS	3	3(0)
	ME	ECO3124	E-BUSINESS ECONOMICS	3	3(0)
	ME	ECO3127	LAW AND ECONOMICS	3	3(0)
	ME	ECO3128	FINANCIAL ECONOMETRICS	3	3(0)
	ME	ECO3130	INTERNATIONAL MONEY AND FINANCE	3	3(0)
	ME	ECO3131	INTERNATIONAL TRADE	3	3(0)
	ME	ECO3132	MODERN ECONOMIC HISTORY	3	3(0)
	ME	ECO3133	INDUSTRIAL ORGANIZATION	3	3(0)
	ME	ECO3134	MONEY AND BANKING	3	3(0)
	ME	ECO3140	HEALTH CARE ECONOMICS	3	3(0)
	ME	ECO4102	ECONOMIC PLANNING	3	3(0)
	ME	ECO4103	ECONOMIC DYNAMICS	3	3(0)
	ME	ECO4104	ECONOMETRICS II	3	3(0)
	ME	ECO4105	MARXIAN POLITICAL ECONOMY	3	3(0)
	ME	ECO4107	COMPARATIVE ECONOMIC SYSTEMS	3	3(0)
	ME	ECO4108	SOCIAL SECURITY AND WELFARE POLICY	3	3(0)
	ME	ECO4110	PUBLIC AND POLITICAL ECONOMY	3	3(0)
	ME	ECO4111	EXPERIMENTAL AND BEHAVIORAL ECONOMICS	3	3(0)
	ME	ECO4115	CORPORATE FINANCE AND ECONOMICS	3	3(0)
	ME	ECO4122	CURRENT ISSUES IN DEVELOPMENT ECONOMICS	3	3(0)
	ME	ECO4862	ANALYSIS OF INTERNATIONAL FINANCIAL MARKET	3	3(0)
	ME	ECO4865	REAL ESTATE FINANCE AND ECONOMICS	3	3(0)

[K] denotes the course can be counted toward the Korean Studies minor.

### ○ Major/Minor Requirements ○

- Major: 42 credit-hours required from among the Economics or Statistics courses listed below. The following seven courses (21 credits) are required: Introduction to Economics (This UIC Elective course is required for the Economics majors but is not counted toward the major credits), Principles of Microeconomics, Principles of Macroeconomics, Microeconomics, Macroeconomics, Mathematics for Economics I, Introduction to Statistics
- Double major: 36 credit-hours required. Double majors must also take the seven courses required for Economics majors.
- Minor: 18 credit-hours required. Principles of Microeconomics, Principles of Macroeconomics, and either Microeconomics or Macroeconomics are required to Economics minors. Economics minors also have to take Introduction to Economics from the UIC Electives though this course is not counted for major credits.
- All courses offered in English by the College of Commerce and Economics can be counted towards Economics major

credits.

- Courses offered in Korean by the College of Commerce and Economics can be counted towards Economics major credits up to 4 courses or 12 credits.

## ○ Course Descriptions ○

### ECO1001 INTRODUCTION TO ECONOMICS

This course will deal with the nature and concepts of both microeconomics and macroeconomic. It will include several fundamental theories of economics as well as many case studies to enhance the understanding of students. Basically, this course will rely on lectures and students are encouraged to join discussions during class. This course will include at least one field trip and try to incorporate with special lectures

### ECO1101 MATHEMATICS FOR ECONOMICS I

An introduction to mathematical techniques useful in the analysis of statistics, economics, and business.

### ECO1102 MATHEMATICS FOR ECONOMICS II

This course covers the basic theories needed in understanding optimization theory including Kuhn-Tucker condition, maximization principle, and its application.

### ECO1103 PRINCIPLES OF MICROECONOMICS

This course covers the basic theory and economic applications of the consumer, the firm, the market, and general equilibrium theory, and welfare economics.

### ECO1104 PRINCIPLES OF MACROECONOMICS

This course covers, at the basic level, modern and classical theories of employment, national income, prices, and monetary and fiscal policy. Emphasis on interactions among the goods market and assets markets in the economy.

### STA1001 INTRODUCTION TO STATISTICS

Basic ideas of probability and statistical distributions such as binomial distributions and normal distributions, two sample tests, chi-square test, simple regression, one way ANOVA, nonparametric tests, times series analysis and index numbers.

### ECO2101 MACROECONOMICS

This course covers rigorously and analytically modern and classical theories of employment, national income, prices, and monetary and fiscal policy. Emphasis on interactions among the goods market and assets markets in the economy.

### ECO2102 MICROECONOMICS

This course covers rigorously and analytically the theory of the consumer, the firm, the market, and general equilibrium theory and welfare economics.

### ECO2103 INTRODUCTION TO ECONOMIC HISTORY

Evolution of the economy from ancient to modern times is examined. Emphasis is laid on the concepts and causes of economic change and changing economic organizations.

### ECO2104 HISTORY OF ECONOMIC THOUGHTS I

Development of economic ideas and theories of various schools are examined. The evolutionary process of mainstream economics, possible alternatives, and their relevance to developing countries are analyzed.

### ECO2109 KOREAN ECONOMIC HISTORY

Development of the Korean economy is examined in terms of economic systems, development states, and relationship with political-social phenomena.

### STA2103 MATHEMATICAL STATISTICS I

This course covers discrete and continuous variables, transformations, expectations, general functions, limits theorems, estimation, confidence intervals, and hypothesis testing.

### STA2105 STATISTICAL METHODOLOGY

Basic understanding of statistics theories; regression, distribution and data analysis using statistical packages.

### ECO3101 GAMES THEORY WITH APPLICATIONS

Teaches basic concept of game and equilibrium, and their applications to various economic situations. Topics include moral hazard, adverse selection, auction and bidding, bargaining, signaling, collusion among firms, entry deterrence by incumbent monopolists, dynamic inconsistency of monetary and fiscal policies, etc.

### ECO3102 BUSINESS CYCLE THEORY AND FORECASTING

General understanding of economic growth, inflation, stock market, international trade, and other phenomena related to economic fluctuations. Analysis of economic forecasting adjusted for trend effect and prediction based on realistic data.

#### ECO3103 DEVELOPMENT AND GROWTH

Primary factors contributing to the economic growth will be examined. Structural changes, income distribution, equity problems, industry growth strategy, self-sustaining economies, and other wide-scope of topics will be covered.

#### ECO3104 ECONOMETRICS I

The first semester deals with economic theories such as regression analysis, multicollinearity, auto correlations, and identification.

#### ECO3105 FINANCIAL ECONOMICS

The theory and actual practices of investor's decisions, financial organization's management, and financial supervisory board's role will be covered. Financial policies and their effectiveness will be explored.

#### ECO3106 LABOR ECONOMICS

The economic aspects of the problems, insecurities, and institutional developments associated with labor and labor market are discussed.

#### ECO3107 AGRICULTURAL ECONOMICS

Application of the principles of general economics, with special attention to how these principles work out in Korean agriculture.

#### ECO3108 MATHEMATICAL ECONOMICS

This course covers basic real analysis and topology, static optimization, dynamic optimization, methods of comparative static analysis, and dynamic stability analysis. (Prerequisite: Mathematics for Economics I)

#### ECO3109 RESOURCE AND ENVIRONMENTAL ECONOMICS

This course deals with the dynamic optional use of natural resources and various ways to solve environmental problems.

#### ECO3110 PUBLIC FINANCE

This course covers market failure, the welfare aspects of collective choice, externality, public expenditure and taxation.

#### ECO3111 REGIONAL ECONOMICS

This course covers the theory of regional allocation of resources, examination of factors influencing industrial location and city location, and analysis of problems associated with urbanization.

#### ECO3112 KOREAN ECONOMY

This course deals with the structure and policies of the Korean economy, and attempts to cover all important areas, such as growth, inflation, monetary markets, and international payments.

#### ECO3113 POPULATION ECONOMICS

This course teaches various aspects of population as a main source of labor power. Topics include the determinant of population size and its composition, as well as their implications to economic growth and development.

#### ECO3114 WELFARE ECONOMICS

The fundamental theorems of welfare economics, based on the general equilibrium theory and the social choice theory are introduced. The problems of externality, public goods, property rights, and transaction cost are also analyzed.

#### ECO3115 PERSONNEL ECONOMICS

Employment, investment, accumulation of human resources, compensation system, separation and termination of employment, and other human resources related issues will be analyzed. Corporation's optimization behaviors under the conditions of uncertainty and information asymmetry will be discussed. Microeconomic models and simple case studies will be used as methods of analysis.

#### ECO3116 ECONOMIC POLICY

Major targets and instruments of economic policy are examined with special reference to Korean economic policy.

#### ECO3117 CONTEMPORARY ECONOMIC THEORY

This course aims to teach students recent developments in economic theories and their applications.

#### ECO3118 FINANCIAL RISK: MEASURE AND CONTROL

Explains the significant role risk management plays in financial organizations and corporation's management. The issues related to measurement methodology, systems program administration, and policy formations will be discussed. The problems, limitations, and improvement of risk management will be explored.

#### ECO3119 INTRODUCTION TO FINANCIAL ENGINEERING

The creation of a new form of financial instrument, creation of a new procedure in the treatment of financial instruments, and innovation of existing financial products are some of the topics that will be covered. Currently financial engineering is the primary contributing factor in loosening of government regulations, liberalization of interest rates, and increased financial risk. Ability to apply these techniques is necessary in the advancement of the financial industry sector. Pricing of products, derived from stocks, bonds, and other basic financial instruments such as futures,

options, swaps, and other derivatives and their decomposition and re-combination capabilities will be discussed.

#### ECO3120 INTERMEDIATE FINANCIAL ENGINEERING

Various theories of financial engineering as it relates to futures, options, swaps, and other derivatives. Numerical Techniques will be introduced in pricing of derivatives. Computer programming will be used in determining the price of derivatives in order to enhance the understanding of the topic.

#### ECO3121 HISTORY OF ECONOMIC THOUGHTS II

Development of economic ideas and theories of various schools are examined. The evolutionary process of mainstream economics, possible alternatives, and their relevance to developing countries are analyzed.

#### ECO3122 MATHEMATICS FOR FINANCE

By utilizing the mathematical foundation laid in the determination of derivative pricing and risk management, the course will lecture on the risk-neutrality probability, Martingale, Ito's Lemma, etc.

#### ECO3123 CONTRACTS AND ORGANIZATION

Course covers contract theory, organization structure, auction, and other fields of microeconomic application. Understanding of mathematical models and basic understanding of microeconomic theories are used as the basis.

#### ECO3124 E-BUSINESS ECONOMICS

Basic framework of e-businesses and its impact on the direction of the new economy will be discussed. By analyzing the various case studies, one can understand the necessary elements required in sustaining organizational growth within a consumer-focused market and promoting innovations.

#### ECO3127 LAW AND ECONOMICS

Application of law analyzed for the purpose of evaluating the economic efficiency of law and in order to understand the current social conditions.

#### ECO3128 FINANCIAL ECONOMETRICS

Topics include GMM, ARCH model, unit root, cointegration.

#### ECO3130 INTERNATIONAL FINANCE

Basic nature and role of money in the economy. Topics include the theory of supply and demand for money, the influence of money on economic activity, and related issues of monetary management.

#### ECO3131 INTERNATIONAL TRADE

Comparative costs, trade patterns, gains from trade, equilibrium of an open economy, tariffs, terms of trade, customs union, domestic distortion and optimum intervention.

#### ECO3132 MODERN ECONOMIC HISTORY

Examines the industrialization process of current major industrial countries and issues of modern economic development such as labor movements, international economic relations, and the great depression.

#### ECO3133 INDUSTRIAL ORGANIZATION

Theoretical and empirical analysis of the interaction among market structure, behavior, and performance.

#### ECO3134 MONEY, BANKING AND FINANCE

Basic nature and role of money in the economy. Topics include the theory of supply and demand for money, the influence of money on economic activity, and related issues of monetary management.

#### ECO3140 HEALTH CARE ECONOMICS

This course introduces topics related to health economics. The relevant topics include nature of the commodity health care and the production of health; traditional and alternative theories of demand; economics of insurance and information; behavior of health care providers including physicians and hospitals; the technique of using economic evaluation in health care to set priorities. etc

#### STA3109 MATHEMATICAL STATISTICS II

Theory of statistical inference, including the general decision problem; Neyman-Pearson theory of testing hypotheses; the monotone likelihood ratio property; unbiasedness, efficiency, and other small sample properties of estimators, especially maximum likelihood estimators; and general sequential procedures.

#### ECO4102 ECONOMIC PLANNING

This course covers the need for planning, the derivation of planning objectives, economic modeling, planning optimization, cost-benefit analysis, and practices of economic planning.

#### ECO4103 ECONOMIC DYNAMICS

Study of dynamic economic processes over time, focusing on inflation, business cycles, and long-term economic growth.

#### ECO4104 ECONOMETRICS II

Deals with applied econometrics of micro- and macroeconomics.

#### ECO4105 MARXIAN POLITICAL ECONOMY

Discusses Karl Marx's and Marxian economic theories.

#### ECO4107 COMPARATIVE ECONOMIC SYSTEMS

Historical and theoretical treatment of economic systems such as capitalistic economy and varieties of socialist economies; emphasis on comparison and prospects for these systems.

#### ECO4108 SOCIAL SECURITY AND WELFARE POLICY

Theories on unequal income distribution and poverty, social insurance, and government income-maintenance programs as policy instruments to correct the social problems are examined.

#### ECO4110 POLITICAL ECONOMY

Analysis of political economy and policy decisions in terms of economic strategy and information, and applying the concepts to the current economy. (Prerequisite: Introduction to Microeconomics)

#### ECO4111 EXPERIMENTAL AND BEHAVIORAL ECONOMICS

Economic decisions and strategies associated with the typical human behaviors researched in the field of psychology and social psychology such as cognition, learning, reasoning are taught in order to enhance the explanation and prediction capabilities. (Prerequisite: Introduction to Microeconomics)

#### ECO4115 CORPORATE FINANCE AND ECONOMICS

This course is designed to provide theoretical foundations and conceptual tools for undergraduate students to understand optimal financial decisions of corporations in terms of economics. This course helps students understand the stylized facts in corporate financing and capital structure in the theoretical framework of economics.

#### ECO4122 CURRENT ISSUES IN DEVELOPMENT ECONOMICS

This course is intended to provide an introduction to topics and concepts that are of relevance in the context of modern economic development. The focus of this unit is on applying tools in economics in analyzing important issues in development.

#### ECO4862 ANALYSIS OF INTERNATIONAL FINANCIAL MARKET

This introductory course is intended primarily for students majoring(or minoring) in economics and/or business who would like to have basic and systemic understanding of international financial markets.

#### ECO4865 REAL ESTATE FINANCE AND ECONOMICS

This course aims to understand basic concepts in real estate finance. It covers basic concepts in mortgages, time value of money, income producing property taxes, and real estate investment and accounting issues.

## ● INTERNATIONAL STUDIES ●

### Goal

Successful decision makers and leaders of international organizations, government agencies, NGOs, and multinational corporations require a better understanding of a world that constantly evolves with technological progress and the forces of cultural and economic integration. The International Studies (IS) major can help prepare students to solve complex problems in today's world that have been shaped by interactions between the international and national, the global and regional, and the contemporary and historical. Given the multifaceted nature of these challenges, the key advantage of the IS major is that it overcomes the narrow confines of traditional academic disciplines, and builds upon the combined strengths of three key disciplinary subjects (International Relations, International Economics, and International Law) to provide comprehensive and interdisciplinary perspectives on issues and problems that define our rapidly globalizing world.

### Curriculum

International Studies majors at UIC receive a strong background in interdisciplinary perspectives and gain familiarity with key analytical tools drawn from the social science disciplines. A unique aspect of UIC's International Studies major is its strong emphasis on combining an area expertise with a focus on East Asia. It is now a well-known fact that the trend and forces of globalization cannot adequately be understood without a firm grasp of the relevant issues at both the regional and the international level. With UIC's positioning as an education hub of East Asia, the International Studies major with an area studies focus makes all the more sense for those students wanting to benefit from UIC's unique advantages.

### Career

Successful International Studies majors from UIC have found numerous career paths ranging in diverse fields such as management consulting, marketing, international organizations, and international law. IS graduates can be found in numerous occupations, but the commonality that they share is that they excel in jobs that involve international business and international issues. Many IS graduates for example work in major Korean conglomerates in their overseas marketing or sales divisions. Others work for multinational companies both within Korea and abroad. IS graduates can find success in the job market because their interdisciplinary studies prepare them to solve a wide range of problems and the academic rigor of their classes allows them to meet any challenges.

#### Faculty

The IS major draws faculty predominately from the Graduate School of International Studies and as well as other parts of Yonsei University. The IS major also attracts select faculty from outside of Yonsei university who have practical work experience from a variety of backgrounds as well as lecturers who have track records of outstanding teaching.

### ○ Curriculum Chart ○

Classification Abbreviation : CC-Common Curriculum, UICE-UIC Elective, MB-Major Basic, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MR	ISM1001	INTRODUCTION TO INTERNATIONAL STUDIES	3	3(0)
	UICE	ECO1001	INTRODUCTION TO ECONOMICS	3	3(0)
2	ME	ISM2003	THEORIES OF INTERNATIONAL RELATIONS (WORLD POLITICS AND INTERNATIONAL RELATIONS)	3	3(0)
	ME	ISM2101	INTERNATIONAL POLITICAL ECONOMY	3	3(0)
	ME	ISM2105	INTERNATIONAL ECONOMICS (INTERNATIONAL TRADE AND ECONOMIC INTEGRATION)	3	3(0)
	ME	ISM2110	THEORIES OF POLITICAL ECONOMY	3	3(0)
	ME	ISM2112	INTERNATIONAL MONEY AND CAPITAL MARKETS	3	3(0)
	ME	ISM2102	CULTURE AND GLOBALIZATION	3	3(0)
	ME	ISM2103	GLOBAL STRATEGY AND MANAGEMENT	3	3(0)
	ME	ISM2104	FINANCIAL MARKETS AND GLOBAL FINANCIAL INSTITUTIONS	3	3(0)
	ME	ISM2107	POLITICS AND BUSINESS IN KOREA	3	3(0)
	ME	ISM2113	INTRODUCTION TO INTERNATIONAL LAW	3	3(0)
	ME	ISM2114	FINANCIAL INSTITUTIONS AND GLOBAL FINANCIAL SYSTEM	3	3(0)
	ME	ISM2116	KOREAN MODEL AND INTERNATIONAL DEVELOPMENT COOPERATION	3	3(0)
	ME	ISM2117	POSTCOLONIAL URBANISM IN ASIA	3	3(0)
	ME	ISM2118	UNDERSTANDING THE CONTEMPORARY AUSTRALIAN SOCIETY	3	3(0)
	ME	ISM2119	INVESTMENT ANALYSIS AND GLOBAL MANAGEMENT	3	3(0)
	ME	ISM2120	HUMAN RIGHTS: ISSUES AND PROBLEMS	3	3(0)
	ME	ISM4517	CONTEMPORARY CHINESE POLITICS	3	3(0)
	ME	ISM4520	GLOBAL GOVERNANCE AND REGIONALISM	3	3(0)
	ME	JCL2010	UNITED NATIONS AND GLOBAL JUSTICE	3	3(0)
	ME	JCL2012	HUMAN RIGHTS: FOUNDATIONS AND CONTEMPORARY ISSUES	3	3(0)
	ME	SDC1002	INTRODUCTION TO GLOBAL AFFAIRS	3	3(0)
	ME	SDC2003	KOREA'S DIPLOMACY ON SUSTAINABLE DEVELOPMENT	3	3(0)
	ME	SDC2005	DEVELOPMENT AND MIGRATION	3	3(0)
	ME	SDC3002	ENVIRONMENT AND DEVELOPMENT	3	3(0)
3	ME	ISM3103	UN & INTERNATIONAL ORGANIZATIONS	3	3(0)
	ME	ISM3104	GAME THEORY AND STRATEGIC DECISION MAKING	3	3(0)
	ME	ISM3105	POLITICAL ECONOMY OF DEVELOPMENT	3	3(0)
	ME	ISM3106	COMPARATIVE FOREIGN POLICIES	3	3(0)
	ME	ISM3107	DEVELOPMENT COOPERATION AND FOREIGN AID	3	3(0)
	ME	ISM3108	INTERNATIONAL CONFLICT AND COOPERATION	3	3(0)
	ME	ISM3109	GLOBAL FINANCE AND INDUSTRY	3	3(0)
	ME	ISM3185	INTERNATIONAL CONFLICT AND COOPERATION	3	3(0)
	ME	ISM3501	EAST ASIAN HISTORY	3	3(0)
	ME	ISM3502	EAST ASIAN ECONOMIC DEVELOPMENT	3	3(0)
	ME	ISM3503	EAST ASIAN INTERNATIONAL RELATIONS	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	ISM3505	INTRODUCTION TO THE US LAW	3	3(0)
	ME	ISM3506	TERRORISM AND INTERNATIONAL SECURITY	3	3(0)
	ME	ISM3508	INTERNATIONAL COMMERCIAL POLICY	3	3(0)
	ME	ISM3509	GLOBAL FINANCE AND INDUSTRY	3	3(0)
	ME	ISM3510	MODERN CHINESE HISTORY	3	3(0)
	ME	ISM3520	KOREAN DEVELOPMENT	3	3(0)
	ME	ISM3523	BRICS AND NEW EMERGING POWERS	3	3(0)
	ME	ISM3527	CYBERSECURITY	3	3(0)
	ME	ISM3533	INTERNATIONAL HUMAN RIGHTS: CONCEPTS AND CONTROVERSIES	3	3(0)
	ME	JCL3004	GLOBAL GOVERNANCE AND DIPLOMATIC PRACTICE	3	3(0)
	ME	JCL3006	PHILOSOPHICAL FOUNDATIONS OF LAW AND POLITICS	3	3(0)
	ME	SDC3003	DEVELOPMENT FIELD RESEARCH	3	3(0)
	ME	SDC3004	SUSTAINABLE DEVELOPMENT AND URBANIZATION	3	3(0)
	ME	SDC3007	COOPERATION AND SUPPORT FOR SUSTAINABLE DEVELOPMENT	3	3(0)
3,4	ME	ISM3511	IMPERIAL CHINA	3	3(0)
	ME	ISM3512	HUMANITARIAN INTERVENTION: THEORY AND PRACTICE	3	3(0)
	ME	ISM3513	HISTORY OF GLOBALIZATION AND DEVELOPMENT	3	3(0)
	ME	ISM3521	GLOBALIZATION AND ITS ISSUES	3	3(0)
	ME	ISM3522	NEW ERA OF GLOBAL FINANCIAL SYSTEM	3	3(0)
	ME	ISM3524	INTERNATIONAL ORGANIZATIONS AND LAW	3	3(0)
	ME	ISM3528	EAST AND WEST: FUNDAMENTALS OF WORLD POLITICS	3	3(0)
	ME	ISM3531	REALISM IN THE REAL WORLD	3	3(0)
	ME	ISM3532	PROJECT DESIGN AND MANAGEMENT FOR INTERNATIONAL COOPERATION	3	3(0)
	ME	ISM4515	HISTORY OF KOREA-US RELATIONS [K]	3	3(0)
	ME	ISM4808	NGOS AND DEVELOPMENT	3	3(0)
4	ME	ISM4809	MODERN CHINA-KOREA RELATIONS	3	3(0)
	ME	ISM4501	JAPANESE STATE AND SOCIETY	3	3(0)
	ME	ISM4502	POLITICAL ECONOMY OF KOREAN DEVELOPMENT	3	3(0)
	ME	ISM4503	MODERN KOREAN HISTORY [K]	3	3(0)
	ME	ISM4504	KOREAN SOCIETY AND CULTURE [K]	3	3(0)
	ME	ISM4505	KOREAN POLITICS AND NORTH KOREA [K]	3	3(0)
	ME	ISM4506	MODERN KOREA-JAPAN RELATIONS [K]	3	3(0)
	ME	ISM4507	CHINESE ECONOMY	3	3(0)
	ME	ISM4508	A NEW CONTEXT OF CHINESE FOREIGN POLICY	3	3(0)
	ME	ISM4801	SENIOR RESEARCH SEMINARS IN INTERNATIONAL STUDIES	3	3(0)
	ME	ISM4803	LAW, ECONOMICS, AND COMPETITION	3	3(0)
	ME	ISM4804	ECONOMICS OF INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	ISM4509	POLITICAL ECONOMY OF JAPAN	3	3(0)
	ME	ISM4510	AMERICAN GOVERNMENT AND POLITICS	3	3(0)
	ME	ISM4511	AMERICAN FOREIGN RELATIONS	3	3(0)
	ME	ISM4512	US HISTORY	3	3(0)
	ME	ISM4513	EUROPEAN UNION	3	3(0)
	ME	ISM4514	EMERGING MARKETS AND WORLD ECONOMY: BRICS	3	3(0)
	ME	ISM4801	SENIOR SEMINARS IN INTERNATIONAL STUDIES	3	3(0)
	ME	ISM4518	POLITICS IN NORTHEAST ASIA	3	3(0)
	ME	ISM4812	GLOBAL JUSTICE	3	3(0)
	ME	ISM4813	IMPERIALISM AND THE WORLD	3	3(0)
	ME	ASP4003	CRITICAL ISSUES IN SOUTHEAST ASIA	3	3(0)
	ME	JCL4011	SEMINAR: SOCIAL MOVEMENTS AND POLITICAL ACTION	3	3(0)
	ME	SDC4001	SENIOR RESEARCH SEMINAR IN INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	SDC4002	SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT	3	3(0)

[K] denotes the course can be counted toward the Korean Studies minor.



## ○ Major/Minor Requirements ○

- Major: 42 credit-hours required from among the International Studies course listings including the following required courses based on the year of admission.

Students admitted in 2006 and 2007 are required to take 3 requisite courses; Introduction to International Studies, Fundamentals of Economic Decision Making, and World Politics and International Relations.

Students admitted from 2008 and 2012 are required to take the following courses.

Theories of International Relations (World Politics and International Relations)

- Prerequisite: Introduction to International Studies (Required but not counted toward fulfilling the credit requirement for the major)

International Economics

- Prerequisite: Introduction to Economics (Required but not counted toward fulfilling the credit requirement for the major) or Fundamentals of Economic Decision Making

Students admitted in 2013 and 2016 have the following required courses.

International Relations

International Economics

- Prerequisite: Introduction to Economics (Required but not counted toward fulfilling the credit requirement for the major) or Fundamentals of Economic Decision Making

Students admitted in 2017 and thereafter have the following required courses.

Introduction to International Studies (MR)

Introduction to Economics (UICE)

- Double Major: Students contemplating International Studies as a second major must also take 36 credits from IS major course listings including the above required courses according to their year of admission.
- Minor: Students with a minor in International Studies must take 18 credits from the IS course listings including the above required courses according to their year of admission.

## ○ Course Descriptions ○

### ISM1001 INTRODUCTION TO INTERNATIONAL STUDIES

This course on “Introduction to International Studies” approaches the interdisciplinary field of “International Studies” from a multitude of angles, but will emphasize various political dimensions. We will have to be selective, given the breadth of the field of “International Studies.”

### SDC1002 INTRODUCTION TO GLOBAL AFFAIRS

This is an introductory course that is divided into two parts. The first part covers the historical background of the theories of international relations with special emphasis on the traditional approaches to the study of power, ideology, state interest, and war and peace. The second part closely examines contemporary discourse in international politics. The main objectives of the course are to provide students with a useful set of analytical tools, a broad understanding of different approaches to the study of international relations, and an ability to identify and deal with some of the major contemporary issues in world politics.

### ISM2002 FUNDAMENTALS OF ECONOMIC DECISION MAKING

The course is designed to give technically trained decision-makers a better understanding of fundamental economic concepts and evaluative methodology to improve decision-making. The course addresses real-world applications related to both professional and personal decision-making. It combines elements of engineering, finance, economics, and statistics to aid decision-makers in choosing from among competing alternatives.

### ISM2003 THEORIES OF INTERNATIONAL RELATIONS (WORLD POLITICS AND INTERNATIONAL RELATIONS)

The course introduces students to the theoretical approaches, analytical tools, historical cases, and contemporary issues necessary to understanding world affairs. The course begins with an examination and critique of major theoretical approaches to the study of international relations then adjusts its focus to analysis of major contemporary issues in world politics.

#### ISM2101 INTERNATIONAL POLITICAL ECONOMY

The course examines the politics of international economic issues. The topics covered in the course include the costs and benefits of economic policy and international and domestic conditions that facilitate or impede international cooperation. These issues are discussed from various contending angles in order to facilitate critical thinking and analysis of those issues.

#### ISM2102 CULTURE AND GLOBALIZATION

The course introduces key cultural issues that arise from globalization and the ever-increasing interactions between people from different cultural backgrounds. The course provides an opportunity to consider a broad range of contemporary global issues with a cultural emphasis.

#### ISM2103 GLOBAL STRATEGY AND MANAGEMENT

This is an intermediate-level course in international business focusing on the issues of firms' global strategies. The course begins with definitions of global strategy with an overview of the historical evolution of the concept. It then moves on to address two key questions: 1) How different is the globalization potential across industries? 2) How far do firms go in terms of building global market participation?

#### ISM2104 FINANCIAL MARKETS AND GLOBAL FINANCIAL INSTITUTIONS

The goal of this course is to develop a coherent framework to understand the fundamentals of financial markets and institutions in a global environment. We first develop equilibrium theories to understand the behavior of financial market variables such as interest rates, stock prices and exchange rates. The second part adopts a more policy-oriented approach and discusses various pressing issues arising in the current global financial system such as banking crisis, capital account liberalization and the reform of international financial architecture.

#### ISM2105 INTERNATIONAL ECONOMICS

This is an introductory course in international economics. It aims to provide an analytical framework for evaluating issues relating to international trade and finance. Topics include the theory of international trade, free trade and protectionism, balance of payments, exchange rate theory and regimes, and open-economy macroeconomics.

#### ISM2107 POLITICS AND BUSINESS IN KOREA

This course aims to examine the Korean politics and business from the political economy perspective. How has Korean capitalism developed, what pathway it has taken and how it will continue to evolve, and how have politics and business interacted in Korean capitalist market are the puzzles of this course. This course will cover the various topics in international and domestic political economy such as globalization, democratization, culture and network, international investment and trade, economic crisis and reform, and public and private governance.

#### ISM2109 JAPAN'S INTERNATIONAL RELATIONS

The aim of this course is to provide students with a basis of deepening their understanding of Japan's place in the world. It focuses on Japan's security and foreign economic policies in the context of the globalized world economy, the historic power shift from the West to the East, the emergence of new nonstate networks, and the recent global financial crisis, ones that have raised concerns about whether Japan can accommodate these transformations in a way that sustains the postwar liberal economic and stable security order.

#### ISM2110 THEORIES OF POLITICAL ECONOMY

This course is designed to give students a broad-gauged introduction to one of the largest and most vibrant branches of political science: political economy. Examining the field's diverse theoretical underpinnings, it places political economy in the context of political science more generally.

#### ISM2112 INTERNATIONAL MONEY AND CAPITAL MARKETS

The goal of this course is to help students understand the role that money and capital markets play in the business and global environment. We first review the structure of financial markets and discuss basic concepts such as money demand and interest rates. We then develop equilibrium theories to understand the behavior of key financial variables such as interest rate, stock price, and exchange rate, and their interactions in global financial markets.

#### ISM2113 INTRODUCTION TO INTERNATIONAL LAW

This course will introduce International Public Law to the novice and will put it in the context of International Relations. In fact, the course and the textbook it uses intentionally puts the themes, topics, and discussions at the interface of International Public Law and International Relations.

#### ISM2114 FINANCIAL INSTITUTIONS AND GLOBAL FINANCIAL SYSTEM

This course is intended to help students understand the management and regulation of financial institutions in the business and global environment. We study the nature of financial intermediation and management of financial institutions such as banks, securities and insurance companies. We also review how the structure of financial industry has evolved, and why financial companies often fail and systemic crises arise.

#### ISM2116 KOREAN MODEL AND INTERNATIONAL DEVELOPMENT COOPERATION

South Korea's economic rise and political democratization in the past half century is one of development's great success stories. Its transformation from rags to riches has always been mysterious and puzzling to those who are interested at Korea, particularly to foreigners. The question of "What has made the Korean model successful and interesting?" is attracting many academic and practical attentions and debates from the world.

#### ISM2117 POSTCOLONIAL URBANISM IN ASIA

This course brings together scholarship in critical human geography and development studies with postcolonial and East Asian cultural studies to explore 'postcolonial urbanism in Asia' as the evolving relationship between interlinked yet highly uneven political-economic, socio-spatial processes of global capitalist development and the production of situated configurations of modernization and development in Asia.

#### ISM2118 UNDERSTANDING THE CONTEMPORARY AUSTRALIAN SOCIETY

This subject invites you to think about Australia and - implicitly - about your own country. Through historical perspectives and contemporary analysis of Australian culture, history and place in the world, the course aims to locate Australia in various global contexts, within the British Empire, Asia, the global economy, politics and international relations.

#### JCL2010 UNITED NATIONS AND GLOBAL JUSTICE

Students will gain a general understanding of the United Nations' structure, including the UN Charter, organs, and procedures. We will study the International Court of Justice, examine UN activities, such as counterterrorism, sustainable development, peace operations, human rights, nuclear nonproliferation, and self-determination, and consider UN reforms.

#### JCL2012 HUMAN RIGHTS: FOUNDATIONS AND CONTEMPORARY ISSUES

Human rights is an emerging social science topic in neo-internationalism. What are 'human rights?' How do 'western' and 'non-western' definitions differ? How have states promoted rights, domestically and internationally? Is the 'western model' of human rights declining? Will the post-World War II international human rights regime survive? Our approach is interdisciplinary, drawing on philosophy, politics, law, culture, and international relations, and, throughout the class, we study historical and contemporary cases.

#### SDC2003 KOREA'S DIPLOMACY ON SUSTAINABLE DEVELOPMENT

The purpose of this course is to examine South Korea's strategic and diplomatic capacities in the field of international cooperation on sustainable development. This course will review various theoretical and practical issues related to South Korea's Green Growth strategy and sustainable development diplomacy, such as: nonconventional challenges to the Korean economy and environment; institutionalization of the national sustainable development strategy; global leadership as a middle power; and official development assistance (ODA); and emerging challenges to South Korea's sustainability.

#### SDC2005 DEVELOPMENT AND MIGRATION

This course is intended as an introduction to topics related to migration, ranging from potential causes that induce migration, e.g. complex emergencies, to the effects that incur from migration, both on the recipient side and the sending side. This class will investigate the understudied and yet powerful phenomenon we face as a global society, with 258 million international migrants on the move (UN, 2017). As we cover theories, case studies, and examples on migration, most of the discussion will be around developing countries, but there may be opportunities to think about what happens in the global south and the global north.

#### ISM3103 UN AND INTERNATIONAL ORGANIZATIONS

The course reviews major competing theories regarding the roles of international organizations and examine the current operations of international institutions and organizations. Special attention is paid to the introduction of a variety of issues in the United Nations and critical assessment of its performance.

#### ISM3104 GAME THEORY AND STRATEGIC DECISION MAKING

Game theory is the study of strategic behavior across situations in which the decision-makers are aware of the interdependent nature of their actions. The course presents the basic notions of game theory with an emphasis on economic applications. The goal of the course is to introduce students to some of the great ideas underlying the theoretical analysis of competition.

#### ISM3105 POLITICAL ECONOMY OF DEVELOPMENT

The course equips students with a historical understanding of development, focusing on the evolution of institutions, specifically democracy and the market economy, which provide the groundwork for development as we understand it. We pay close attention to the centuries leading up to the initial establishment of these institutions in the World from the 16th century.

#### ISM3106 COMPARATIVE FOREIGN POLICIES

The course reviews various approaches to foreign policy and examines some of the elements of effective diplomacy. Students compare and analyze the key players, national interests, institutions, and ideologies of which major contending approaches are comprised.

#### ISM3107 DEVELOPMENT COOPERATION AND FOREIGN AID

Foreign aid to developing and transitional countries is one of the principal mechanisms by which policy makers and development practitioners seek to promote economic development. The course presents a broad overview of key issues and debates in effective delivery and management of aid.

#### ISM3108 INTERNATIONAL CONFLICT AND COOPERATION

The purpose of the course is to provide students with theoretical tools, historical cases, and current issues they need to understand the causes of international conflicts and the conditions for international cooperation.

#### ISM3109 GLOBAL FINANCE AND INDUSTRY

The objective of Global Finance and Industry is to give you a broad understanding of the framework and evolution of key global industries such as automobile, steel, information technology, consumer, Internet, airline, oil and renewable energy. The course will focus on industry fundamental drivers (demand, supply, pricing, capacity etc) as well as the major trends and challenges facing key industries. The course will pursue both top-down industry overview and bottom-up individual company research on key industry players with the help of basic financial analytical tools.

#### ISM3501 EAST ASIAN HISTORY

This course provides an introduction to the history of East Asian civilization from antiquity to 1600, with an emphasis on China, Japan, and Korea, covering social, intellectual, and economic developments as well as political history.

#### ISM3502 EAST ASIAN ECONOMIC DEVELOPMENT

The purpose of the course is to survey economic and public policy issues relevant to economic development. Course meetings combine lecture with discussion and case analysis. The course is organized around four sets of topics: (1) dynamics of long-run economic growth; (2) political economy of trade policy; (3) political economy of foreign aid; and (4) economics of policy reforms.

#### ISM3503 EAST ASIAN INTERNATIONAL RELATIONS

This course provides a comparative analysis of the international politics of Japan, Korea, 'Greater' China, Southeast, and South Asia in the 20th century. Its emphasis is on regional and international political developments, including those involving the United States, and on examining policies and strategies used by countries to compete and cooperate while assuring their national security.

#### ISM3505 INTRODUCTION TO THE US LAW

The purpose of this course is to provide an understanding of the founding principles and historical development of the U.S. legal system. We start with the historical basis and current structure of the American legal system including the court system, legislation and executive branch, and then cover various different fields, including the Constitution, Torts, Civil Procedure, and Criminal Law & Procedure.

#### ISM3508 INTERNATIONAL COMMERCIAL POLICY

This course covers the theory and practice of international trade policy in some depth. We start by developing a set of simple models of international trade, in order to understand the redistributive effects of trade policy. Then, we add political structure in order to understand the forces that influence the policies chosen by policymakers. We investigate how domestic institutions such as elections, lobbies, and parties influence policy choices.

#### ISM3509 INTERNATIONAL TRADE LAW

This is a course for students who are interested in understanding international trade law and policy underpinning the world trading system. Students completing this course will be sufficiently prepared to pursue careers in trade related areas in business and public sectors.

#### ISM3510 MODERN CHINESE HISTORY

This course provides a foundational knowledge of modern Chinese history, and also poses the most fundamental questions about the meaning of China's modern experience.

#### ISM3511 IMPERIAL CHINA

To understand contemporary China, one must first come to know imperial China. This course provides an introduction to China under its last empire, the Qing Dynasty. Focusing on politics and ideas, the course will trace the rise of the Qing in the 17th century, its flourishing in the 18th century, and its decline in the 19th century.

#### ISM3512 HUMAN RIGHTS AND HUMANITARIANISM IN GLOBAL POLITICS

Students already with an experience in the field are encouraged to attend to share their experiences. Those interested in the career of development/humanitarian aid are also welcomed in order to gain macro/micro understanding on

global humanitarian system. Those with no interest at all in humanitarian field are also encouraged to participate—to be informed on one of the most salient trends in international politics since the Post-Cold War era.

#### ISM3513 HISTORY OF GLOBALIZATION AND DEVELOPMENT

This course examines the historical link between globalization and its impact on world development. While there are many different definitions for globalization, we will primarily focus on the unprecedented movement of capital, people, and information that followed the industrial revolution and the introduction of key technologies that interconnected the globe.

#### ISM3515 TRANSNATIONALISM AND MIGRATION

The purpose of this course is to study international migration and its transnational consequences from different perspectives: economic, social, political and cultural.

#### ISM3516 HISTORY OF AMERICAN DEVELOPMENTALISM IN ASIA

This course argues that a central challenge of contemporary development studies is how to understand the multiple, nonlinear, interconnected paths of socio-spatial change taking place across the world in the context of intensified global integration and capitalist development.

#### ISM3520 KOREAN DEVELOPMENT

How do poor nations become rich, industrialized, and democratic? And what role does democracy play in this transition? To address these questions, this course studies South Korea's remarkable transformation since 1960. The course concentrates on three critical turning points: Park Chung Hee's creation of the development state beginning in the early 1960s, democratization in 1987, and the genesis of and reaction to the 1997 economic crisis.

#### ISM3521 GLOBALIZATION AND ITS ISSUES

This course aims to help students to conceptualize globalization and its diverse dimensions such as political, economic, cultural, and ideological.

#### ISM3522 NEW ERA OF GLOBAL FINANCIAL SYSTEM

This course is intended to study and understand 1) what the financial institutions have been doing so far, 2) why would they intend to provide various services (product mix), 3) what happened to the world during 2008 global financial turmoil, and 4) How the global financial system has evolved since the turmoil.

#### ISM3523 BRICS AND NEW EMERGING POWERS

The acronym "BRIC" stands for the "Big Four" countries of Brazil, Russia, India, and China, which are the newly emerging economic powers in the age of globalization. In 2010, South Africa became a member nation of this organization, and the group was renamed "BRICS." For better understanding of the "BRICS" countries as leading emerging markets and powers, this course is designed to investigate the history, politics, and culture of each member nation.

#### ISM3527 CYBERSECURITY

This course is designed to introduce students to the wide range of opportunities and threats that have opened up with the advent of the information age. Students will come to understand holistically how cybersecurity connects to a wide range of issue areas in international relations (military, political, economic, etc.), and how the digitization of information leads to new vulnerabilities that traditional IR has never faced before.

#### ISM3533 INTERNATIONAL HUMAN RIGHTS: CONCEPTS AND CONTROVERSIES

This course is intended to be an introduction to the idea of human rights. The objective will be to develop a critical understanding of the major issues surrounding human rights, as well as the intellectual roots of the modern-day concept of human right. The focus will be more on the philosophical and historical aspects of human rights, rather than on the institutional features of international human rights law.

#### JCL3004 GLOBAL GOVERNANCE AND DIPLOMATIC PRACTICE

We explore the intersections among diplomacy, multilateralism, and global governance, emphasizing diplomacy's underlying theories, modes, objectives, and practical applications. We will consider traditional diplomacy, newer forms involving civil society and digital media, the role of domestic politics, and diplomacy's future. We will consider middle/small power diplomacy and diplomacy in East Asia. Occasionally, we conduct diplomatic simulations involving current crises.

#### JCL3006 PHILOSOPHICAL FOUNDATIONS OF LAW AND POLITICS

What is the 'law?' What informs it? When is it 'valid' and why do we respect it? How is the law different from an autocrat's commands? Are law and 'justice' always the same? If not, do we have a duty to respect the law? To address these and related questions, we consider the law's nature, norms, and justifications. Our core question is: What is institutionally and morally classified as the 'law?' Our approach is interdisciplinary and covers major twentieth- and twenty-first century schools of legal philosophy, especially Legal Positivism, Natural Law, American

Legal Realism, and Critical Legal Studies.

#### SDC3002 ENVIRONMENT AND DEVELOPMENT

This course aims to provide students with a critical knowledge of the issues involving sustainable development. It will define the concepts of environmental sustainability and review the situations of environmental degradation in the context of development. Students will examine the actions that have been taken in international institutions to deal with global environmental challenges. The course will emphasize a rigorous theoretical and empirical training in designing and implementing environmental policy.

#### SDC3003 DEVELOPMENT FIELD RESEARCH

This course will be offered with coordination with development agencies such as KOICA. Students will have an opportunity to expand their knowledge in development through hand-on experience in field research. In the course, they will be trained to delve into social, economic and political problems in developing countries and to design development policies to resolve the problems.

#### SDC3004 SUSTAINABLE DEVELOPMENT AND URBANIZATION

This course will provide basic understanding of urban development issues, and try to establish balanced view for solutions and alternatives for sustainable development of urban region.

#### SDC3007 COOPERATION AND SUPPORT FOR SUSTAINABLE DEVELOPMENT: ACTORS, ACTIONS, AND AID FINANCING

The course aims to understand diverse actors that contribute to sustainable development, including pro-poor economic growth, poverty alleviation, and livelihoods improvement. Students will learn about the logic and rationale of those actors, such as the United Nations Programs, Funds, and Specialized Agencies, multilateral institutions and bilateral agencies. As students explore specific case studies of each actor, they will have a chance to apply their knowledge of sustainable development to conduct critical evaluation of policy, agenda, and/or programs that are funded by these actors.

#### ISM4501 JAPANESE STATE AND SOCIETY

The course introduces the dynamics of state and civil society relationships in post-World War II Japan. A broad range of issues concerning various policy changes/continuities, social transform and changes in everyday life are covered.

#### ISM4502 POLITICAL ECONOMY OF KOREAN DEVELOPMENT

The course aims to examine Korean development and capitalism from the political economy perspective. How Korean capitalism emerged, what paths it has taken, and how it will continue to evolve are the puzzles of the course. The course covers various topics in international and domestic political economy such as economic growth, culture and networking, globalization, economic crisis and reform, and public and private governance.

#### ISM4503 MODERN KOREAN HISTORY

The course introduces modern Korean history from the mid-nineteenth century to the 1950s with an emphasis on the political history of the given period. Major topics to be dealt with in the course include the late nineteenth-century Korean reform movement, Japanese colonial rule, the Korean independence movement, the emergence of two rival regimes after 1945, and the Korean War (1950-1953) and its aftermaths in South and North Korea.

#### ISM4504 MODERN KOREAN SOCIETY

This course will begin with an overview of the geographic setting, population, cultural traits, and historical background of Korea. The focus of the course will be on contemporary Korean society after the end of Korean War.

#### ISM4505 KOREAN POLITICS AND NORTH KOREA

The course aims to promote an understanding of modern Korea by taking an interdisciplinary approach to its current issues. The course examines the political, economic and cultural development of Korea, focusing on the two-state period since the end of World War II.

#### ISM4506 MODERN KOREA-JAPAN RELATION

The course aims to provide an introductory survey of Korean-Japanese relations, with special reference to the post-1945 period. Course discussions inevitably touch on some major historical events, particularly the colonial period (1910-1945), but the focus remains on an analysis of post-colonial affairs.

#### ISM4507 CHINESE ECONOMY

More than two decades of China's successful economic development captures fresh attention on China's economy. The course reviews the dynamics of Chinese economic success and also analyzes potential pitfalls in the process of furthering China's economic modernization. The major issues that this course deals with include China's developmental strategy, WTO and Chinese economy, and China's globalization.

#### ISM4508 CHINESE POLITICS AND FOREIGN POLICY

This course covers issues of domestic politics and international relations in contemporary China. The Hu Jintao regime

faces innumerable challenges both from within and without. Comprising both domestic and diplomatic issues from problems of succession, democratization, nationalism, oil diplomacy, zou chu qu(outward expansion), and charm offensive, this course reviews political-diplomatic issues of contemporary China.

#### ISM4509 POLITICAL ECONOMY OF JAPAN

The course concentrates on Japanese political economy. It aims to provide an overall understanding of political economy in Japan. The course covers diverse contemporary topics through the lens of political economy including the developmental state and Japan Inc., the politics of industrial policy, the bubble economy and the lost decade, the Japanese financial Big Bang, the political economy of globalization and Japanese reform.

#### ISM4510 AMERICAN GOVERNMENT AND POLITICS

The course introduces major theories and ongoing debates on the issues of political institutions and processes in the United States. We explore how the government system works in the United States and how modern politics have altered well-established institutions.

#### ISM4511 AMERICAN FOREIGN RELATIONS

The purpose of the course is two-fold: one, to understand the complex mechanisms involved in formulating U.S. foreign policy; and two, to survey the evolution of American foreign policy from the closing days of WWII. The principal subjects examined include: the purpose of American foreign policy; sources of American foreign policy; instruments of American foreign policy; the Cold War (US-Soviet rivalry); U.S. involvement in regional conflicts; the role of the United States in the post-Cold War international system; and the future pattern of American foreign policy.

#### ISM4512 U.S. HISTORY

The course reviews the age of exploration and discovery, colonial civilizations, and the emergence of a new nation; the expansion of national territory and sectionalism throughout the Civil War and Reconstruction; the U.S. as an emergent world power and the major political, economic, and social forces in the domestic experience up until the present.

#### ISM4513 EUROPEAN UNION

The course focuses first of all on the origins and development of the European Communities (EC) and the European Union (1945-). The institutional framework of the EC is then discussed in detail, including the composition, working, and powers of the five EC-institutions and different decision-making procedures. Finally different Community acts and their characteristics are explained.

#### ISM4514 EMERGING MARKETS AND WORLD ECONOMY: BRICS

In the global economy of the 21st century, Brazil, Russia, India, and China (BRIC) are suddenly emerging as major players, shaking up the existing order, and generating waves of uncertainty around the world. The course provides much-needed historical context for understanding these changes and a clear sense of where the global economy may be headed.

#### ISM4515 HISTORY OF KOREA-US RELATIONS

This course will provide a broad historical overview of Korean-American relations from the initial encounters in the 19th century to the postliberation period. The topics covered will begin with Korea's transition to the modern system of nation states and the gradual expansion of American influence into East Asia. We will focus on the evolution of US foreign relations in East Asia and discuss their impact on Korea.

#### ISM4517 CONTEMPORARY CHINESE POLITICS

This course is to examine the development and behavior of political institutions in China, specifically after the Communist takeover of power in 1949. The structure of this course is two fold: first, we will study the importance of leadership and how institutions have been shaped and reshaped over the years, with special attention on the tensions and challenges of development. Second, we will consider various issues of public policy and governance, including, but not limited to, the following issues: the role of the CCP, the relationship between Beijing and the provinces, state-society relations, and development and corruption. This course surveys various social and political issues in China from a comparative perspective and introduces different analytical concepts and approaches.

#### ISM4518 POLITICS IN NORTHEAST ASIA

This course is created in lieu of the newly launched Yonsei-Berkeley joint teaching program. Professor Sohn of Yonsei and Professor Dittmer of UC Berkeley divide the entire course into two, each specializing his own field of expertise. The main theme of this course is modern transformation of Northeast Asia. It is primarily concerned with the People's Republic of China and Japan, but also includes relations with their immediate neighbors such as two Koreas and the components of "Greater China," Hong Kong and Taiwan.

#### ISM4520 GLOBAL GOVERNANCE AND REGIONALISM

This course provides students opportunity to learn global governance and regional integration as an important part in studying international relations. It focuses on global governance system such as the United Nations (UN) and other international organizations, and regional integration of European Union (EU) and the Association of Southeast Asian Nations (ASEAN). After reviewing the history and development of international organizations and regional integration, it will be discussed whether such multilateral regimes are efficient and relevant in resolving common global issues. For example, we can evaluate what have been main roles and limitations of the UN, WHO and EU while each state has been trying to fight against pandemics (Covid-19) by their own capabilities rather than international coordination and co-operation.

#### ISM4801 SENIOR RESEARCH SEMINARS IN INTERNATIONAL STUDIES

This course is designed for upper division students (preferably, seniors), and is highly recommended for those interested developing a seminar paper for further graduate study. The course will require extensive reading, and students should come prepared each day for class discussions. During the first half of the course, students will read some foundational texts and discuss various topics selected by the instructor.

#### ISM4803 LAW, ECONOMICS, AND COMPETITION

The primary focus of this course will be on the control of multi-lateral and unilateral anti-competitive conduct. The course will focus on the operation of the EU competition law regime, based on articles 101 and 102 of the Treaty on the Functioning of the European Union (TFEU), and the main provisions of American Antitrust Law, as enshrined in ss 1 and 2 of the Sherman Act 1890, and s 5 of the FTCA.

#### ISM4804 ECONOMICS OF INTERNATIONAL DEVELOPMENT

This course outlines the experiences of economic development in various regions of the world and introduces students to major development problems and policies, both domestic and international. Topics of analysis include models of economic growth, income distribution, urbanization and rural-urban migration, health, education, the environment, and international trade and finance, problems of debt burdens, foreign aid, and private and foreign investment.

#### ISM4808 NGOS AND DEVELOPMENT

The global community is witnessing the growing impact of non-governmental organizations (NGOs) and international non-governmental organizations (INOs) in local, national, regional, and international spheres. This course will discuss issues related to the disciplines of economics, political science, sociology, development studies, international relations, and others.

#### ISM4809 MODERN CHINA-KOREA RELATIONS

This course explores intersection points between China and Korea during modern times, picking up in the Ming-Qing/Choson period and coming into the present. We study official relations between Beijing and Seoul/Pyongyang, but also look more broadly at connections, both continuities and divergences, between their experiences of modernity. The focus is on politics and ideas, war and foreign relations, but diversions are made into social and economic themes from time to time.

#### ASP4003 CRITICAL ISSUES IN SOUTHEAST ASIA

The class aims to provide the introduction of extremely various area, SouthEast Asia whoes people, cultures are very different from one another. Starting from brief history of SEA countries, the course will explore contemporary issues such as ethnic and religious conflicts, migration, poverty, development and environmental justice, and so on.

#### JCL4011 SEMINAR: SOCIAL MOVEMENTS AND POLITICAL ACTION

This seminar course will expose students to a range of theoretical approaches for studying social movements and apply these theories to 'real world' case studies. We will consider commonalities and differences in these 'real world' cases. The course is organized around several key theories and questions:

Students will learn to (1) distinguish major theories and describe their strengths and weaknesses in explaining movements; (2) ask precise, insightful questions about theories and cases; and, (3) write analyses of social movements their choosing.

#### SDC4001 SENIOR RESEARCH IN INTERNATIONAL DEVELOPMENT

This course is designed for upper division students and is highly recommended for those who are interested in developing a seminar paper for further graduate study. The course will require extensive reading, and students should come prepared each day for class discussion. During the class, students will read some foundational texts and discuss various topics on international development selected by the instructor.

#### SDC4002 SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT

This course seeks to give you an introductory understanding of utilizing entrepreneurship as a tool for solving social problems worldwide. This course will provide the following: History and context of entrepreneurship as it relates to



society and social change, Background and case studies of problems facing individuals living in poverty in interacting with market systems, Exposure to best practices in entrepreneurial thinking, utilizing “hypothesis testing” to validate which solutions might solve particular problems, Discussion of specific models that can promote entrepreneurial innovations to social problems, whether the venue be for-profit, non-profit, or government/policy.

## ● POLITICAL SCIENCE AND INTERNATIONAL RELATIONS ●

### Goal

The purpose of the Political Science and International Relations (PSIR) major is to provide a theoretical and practical education for those who intend to participate in decision-making processes at the highest levels in various fields within Korean society and the world. PSIR aims to educate students in the essential theories and practices of politics, both domestic and international, so as to prepare its graduates to take on leading positions and roles in the public sector as well as the private sector. The curriculum focuses on teaching conceptual tools and analytical skills through which students can understand and analyze political norms, institutions, processes, and behaviors across different political systems and in international contexts.

### Curriculum

The curriculum consists of four sub-fields: political theory, comparative politics, international relations, and Korean politics. Political theory courses explore the history of political thinking as well as key concepts such as citizenship, democracy, justice, and liberalism; Korean politics courses examine political ideas, institutions and interaction on the Korean peninsula; comparative politics courses analyze the political trajectories and governing arrangements of specific countries and regions around the world; international relations courses center on diplomacy and foreign policy, international security, international organizations and international political economy, with a special focus on Northeast Asia. Students majoring in PSIR are required to take a total of 42 credits (14 courses) within the major elective courses and are free to choose any distribution of courses that meet their interests.

### Career

The majority of graduates seek careers in public service, including law, diplomacy, politics, and journalism, while a significant number join international NGOs and private sector firms, from investment banks to management consultancies. Among the political science program's most notable graduates in Korea include one Prime Minister, two Speakers of the House (National Assembly), four Ministers of Foreign Affairs, two Ministers of Education, and one Chairman of the UN General Assembly. The department runs a number of special programs, including one that serves students preparing for the national foreign service examination. The program has been highly successful, making the department the nationwide leader in producing career diplomats. This program and other programs are fully accessible to PSIR students.

### Faculty

The political science department at Yonsei was founded in October 1945, shortly after Korean independence, and includes several highly distinguished and internationally known scholars, some of whom have served as ambassadors and senior advisers to Korea's national leaders. Most of the department's 20 faculty members are actively involved in the PSIR major and are available to supervise undergraduate honors thesis projects. Alongside the full-time faculty members, several scholars in residence at Seoul's most dynamic research institutes also offer courses in the PSIR major on a regular basis.

## ○ Curriculum Chart ○

Classification Abbreviation : CC-Common Curriculum, UICE-UIC Elective, MB-Major Basic, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	UICE	POL1002	INTRODUCTION TO POLITICAL SCIENCE	3	3(0)
	UICE	POL1003	INTRODUCTION TO INTERNATIONAL RELATIONS	3	3(0)
2	ME	POL2102	INTERNATIONAL RELATIONS	3	3(0)
	ME	POL2106	COMPARATIVE POLITICS	3	3(0)
	ME	POL2210	INTRODUCTION TO KOREAN POLITICS & GOVERNMENT [K]	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	POL2220	KOREAN POLITICS AND DEMOCRACY	3	3(0)
	ME	POL2821	PUBLIC POLICY AND ADMINISTRATION	3	3(0)
	ME	POL3153	UNDERSTANDING CHINESE POLITICS	3	3(0)
	ME	POL3155	THE AMERICAN PRESIDENCY	3	3(0)
	ME	POL3858	THE TWO KOREAS	3	3(0)
	ME	POL4107	MODERN LIBERALISM	3	3(0)
	ME	POL4108	INTERNATIONAL RELATIONS IN EAST ASIA	3	3(0)
3	ME	POL4114	POLITICAL ECONOMY OF CHINA	3	3(0)
	ME	POL3010	POLITICAL DATA ANALYSIS: A QUANTITATIVE APPROACH	3	3(0)
	ME	POL3012	KOREAN POLITICAL ECONOMY	3	3(0)
	ME	POL3110	THEORIES OF DEMOCRACY	3	3(0)
	ME	POL3116	JAPANESE POLITICS AND DIPLOMACY	3	3(0)
	ME	POL3122	JAPAN AND EAST ASIA	3	3(0)
	ME	POL3142	INTERNATIONAL POLITICAL ECONOMY	3	3(0)
	ME	POL3150	AMERICAN ELECTIONS AND CAMPAIGNS	3	3(0)
	ME	POL3151	LAW AND POLITICS	3	3(0)
	ME	POL3155	THE AMERICAN PRESIDENCY	3	3(0)
	ME	POL3156	US AND WORLD	3	3(0)
	ME	POL3825	POLITICS OF COLLABORATION AND INTEGRATION IN EUROPE	3	3(0)
	ME	POL3827	UNIFICATION POLICIES IN KOREAN PENINSULA	3	3(0)
	ME	POL3828	UNITED STATES FOREIGN POLICY	3	3(0)
	ME	POL3830	AMERICAN GOVERNMENT AND POLITICS	3	3(0)
	ME	POL3831	COSMOPOLITANISM AND CRITICS	3	3(0)
	ME	POL3859	INTERNATIONAL LAW, POLITICS AND DISPUTE SETTLEMENT	3	3(0)
	ME	POL3869	PUBLIC CHOICE	3	3(0)
	ME	POL3870	RECONCILIATION AND JUSTICE IN EAST ASIA	3	3(0)
	ME	POL4110	NORTH KOREAN POLITICS & FOREIGN POLICY [K]	3	3(0)
3,4	ME	POL3832	SEMINAR ON GLOBAL CITIZENSHIP	3	3(0)
	ME	POL3839	POLITICS IN THE AGE OF MIGRATION	3	3(0)
	ME	POL3855	POLITICAL PARTIES AND ELECTIONS IN COMPARATIVE PERSPECTIVE	3	3(0)
	ME	POL4827	ORDER, DISORDER AND SUSTAINABILITY IN THE GLOBAL ECONOMY	3	3(0)
	ME	POL4830	CAUSES OF WAR AND PEACE IN INTERNATIONAL RELATIONS	3	3(0)
4	ME	POL4102	INTERNATIONAL POLITICAL ECONOMY	3	3(0)
	ME	POL4106	POLITICS OF INTERNATIONAL TRADE	3	3(0)
	ME	POL4110	NORTH KOREAN POLITICS & FOREIGN POLICY	3	3(0)
	ME	POL4128	NATIONALISM: THEORY AND PRACTICE	3	3(0)
	ME	POL4133	THE POLITICS OF THINGS	3	3(0)
	ME	POL4412	MODERN DIPLOMATIC HISTORY	3	3(0)
	ME	POL4421	COLLOQUIUM ON NATIONALISM & EAST ASIAN SECURITY	3	3(0)
	ME	POL4822	GLOBAL POLITICS OF ENVIRONMENT	3	3(0)
	ME	POL4831	SECURITY & THE MEDIA IN KOREA	3	3(0)
	ME	POL4833	VILLAGE COMMUNITY POLITICS	3	3(0)
	ME	POL4835	APPLIED DATA ANALYSIS	3	3(0)

[K] denotes the course can be counted toward the Korean Studies minor.

### ○ Major/Minor Requirements ○

- Major: PSIR majors are required to take 42 credits from among the major elective courses.
- Double major: Students who want to take PSIR as a double major are required to take 36 credits from among the major elective courses.
- Minor: PSIR minors must take 18 credits from among the major elective courses.
- All courses taught in English offered by the Department of Political Science and International Studies, College of Social Science can be counted towards PSIR major credits.
- PSIR majors can take courses taught in Korean offered by the Department of Political Science and International

Studies, and up to 4 of these courses (12 credits) can be counted towards fulfilling the credit requirements for the major.

## ○ Course Descriptions ○

### POL1002 INTRODUCTION TO POLITICS: POWER, WEALTH, AND RESISTANCE

Politics concerns an authoritative allocation of power, wealth, and other goods of social esteem and the way in which institutions of such allocation, once established, are challenged and resisted. This course aims to expose students to various ways of understanding the political phenomena thus understood in both domestic and international contexts.

### POL1003 INTRODUCTION TO INTERNATIONAL RELATIONS

This course is an introduction to the study of international relations. The purpose of the course is to provide a theoretical and historical basis for analyzing and understanding international relations. The major topics of this course are interstate war, international political economy, human right practices, and other current global conflicts including terrorism, environmental degradation, and nuclear proliferation.

### POL2210 INTRODUCTION TO KOREAN POLITICS & GOVERNMENT

A general introduction to Korean government and politics from 1945 to the present, with emphasis on political culture and socialization; elections and voting behavior; interest groups and political parties; National Assembly and legislative behavior; government and public policy making; bureaucracy and policy implementation; and international environment.

### POL2220 KOREAN POLITICS AND DEMOCRACY

This course deals with theories and practices to the Korean politics and democracy. Throughout the course, we will examine five themes: ① the making of the modern Korean state; ② political economy and development; ③ governance and policy making; ④ representation and participation; and ⑤ politics in transition, particularly to the political process such as party politics, elections, and civil movements.

### POL2821 PUBLIC POLICY AND ADMINISTRATION

This introductory course provides students with an overview of the values, administrative processes, concepts, theories, and issues of public administration. This entry-level course in public administration uses a variety of methods and learning experiences to help students develop: (1) a solid understanding of the theoretical foundations of public administration (2) an awareness of the nature and significance of public administration in a democratic society (3) a proper appreciation of the dynamics of policy making and implementation (4) knowledge of the practice of public administration.

### POL3010 POLITICAL DATA ANALYSIS: A QUANTITATIVE APPROACH

This course surveys quantitative methods used in political analysis. It teaches students basic statistics and applications, theory construction and research design, and data collection and analysis.

### POL3012 KOREAN POLITICAL ECONOMY

This course will overview Korea's economic development and achievement, and examine the backgrounds and major factors of Korea's economic growth. To explain major characteristics and issues, this course will provide students with analysis and reviews of the Korean economy from various perspectives.

### POL3116 JAPANESE POLITICS AND DIPLOMACY

An analysis of the development of contemporary Japanese politics. In particular, issues of modernization, American Military Government, and the process of democratization are emphasized. Also studied is the role of political parties, the Diet, the business community, and interest groups in formulating policies as well as the future role of Japan in the international community.

### POL3122 JAPAN AND EAST ASIA

This course is designed to introduce undergraduates to Japan's interaction with East Asian countries and the regional community. The military interactions between Japan and China will be intensively scrutinized. The question we want to pay attention to is: How do Japan's perception, ideology and strategy evolve in the regional context of politics?

### POL3142 INTERNATIONAL POLITICAL ECONOMY

The purpose of this course is to provide an overview of International Political Economy. First half of the class takes an historical as well as theoretical approach to international political economy. Second half of the class will deal with current issues of IPE in the post-cold war: issues such as globalization, economic development, trade and protectionism, MNCs and global production, international monetary relations.

### POL3151 LAW AND POLITICS

This course is designed to expose students to both the substance of comparative legal interpretation and recent scholarship on the politics of judicial decision-making. Students will discuss the way American, British, French and German law and politics handle different issues. This course will consider case law in a range of issues, including human rights protection, federalism, separation of powers, and the impact of European and international law.

#### POL3153 UNDERSTANDING CHINESE POLITICS

This course covers the politics of the People's Republic of China, including background information on pre-1949 revolution process, the era of Mao (49-76) and the reform period since 1978. The lectures offer a historical and thematic survey of Chinese politics, with an emphasis on the patterns and dynamics of political development in twentieth century China.

#### POL3155 THE AMERICAN PRESIDENCY

The chief purposes of this course are to appreciate the love of learning for its own sake and to foster the development of critical thinking skills. Its chief focus is on the inputs, institutions and outputs of the United States political system. The student should acquire habits of systematic, creative and critical thinking.

#### POL3156 US AND WORLD

The United States of America declared its independence from the British Empire with an appeal to principles of international law and diplomacy on July 4, 1776 in a document which in many ways presaged the Universal Declaration of Human Rights. The course examines how it has internally been affected by diplomacy, and explains and evaluates how it has performed in international relations.

#### POL3827 UNIFICATION POLICIES IN KOREAN PENINSULA

The goals and contents of this course can be summarized as; to understand the political and academic relations between two Koreas, to identify the valuable agreements between two Koreas since 1948, to analyze the multiple unification policies proposed by two Koreas with academic perspectives, to identify the different meanings of concepts, logical structures, and competitive perspectives proposed by two Koreas, to enhance the academic knowledge and analytical skills related with the unification policies in Korean peninsula and Korean unification.

#### POL3828 UNITED STATES FOREIGN POLICY

This course provides an overview of United States global policy primarily from the end of World War II, in 1945, to the present day. Throughout the course, we will study how American responses to world affairs - and American interactions with other governments and international institutions - have evolved across generations.

#### POL3830 AMERICAN GOVERNMENT AND POLITICS

This course introduces central features of American politics and government at the national level. The objectives of this course are for students to: 1) master the major features of American politics and government; 2) understand the causes leading to everyday political behavior and to major changes in politics and government; 3) assess conventional assumptions about government and politics; and 4) learn how political scientists study this subject matter.

#### POL3831 COSMOPOLITANISM AND CRITICS

The course will explore the cosmopolitan ideal in contemporary political theory and practice.

#### POL3832 SEMINAR ON GLOBAL CITIZENSHIP

The course will explore the idea of global citizenship in contemporary political theory and practice.

#### POL3839 POLITICS IN THE AGE OF MIGRATION

The course will be composed of theoretical part and case studies. In the first part, the course will cover theories of migration and political science explanations for immigration policy-making process. The second part of the course, the case studies will be divided into three components: traditional countries of immigration, reluctant countries of immigration, latecomers to immigration.

#### POL3849 SEMINAR ON POLITICAL COMMUNICATION

This course will provide a sweeping overview and analysis of political communication by examining the latest scholarship in this interdisciplinary field. We will cover established dynamics at the core of press-government relations as well as new trends on the cutting edge of digital media.

#### POL3855 POLITICAL PARTIES AND ELECTIONS IN COMPARATIVE PERSPECTIVE

This course is an introduction to the comparative study of political parties and electoral systems. Given that parties and elections are key element of political representation in modern democracy, we need to have a clear understanding of why parties emerge, how parties are organized, party systems, and electoral systems. Throughout the course, we will explore the relationship between political parties and electoral institutions in the comparative context.

#### POL4106 POLITICS OF INTERNATIONAL TRADE

Why do countries trade? Why do they create trade-promoting institutions? Which citizens support or oppose international trade? And how international politics affects international trade and vice versa? The course provides

theoretical and empirical underpinnings to answer these questions.

**POL4107 MODERN LIBERALISM AND ITS DISCONTENTS**

This seminar surveys some of the major themes and canonical texts of modern liberalism.

**POL4108 INTERNATIONAL RELATIONS IN EAST ASIA**

This course examines several important issues concerning the East Asian security and political economy. U.S. hegemonic stability, potential power transition between the U.S. and China, the Republic of Korea (ROK) - U.S. alliance, nuclear proliferation and North Korean nuclear weapons program, democratic peace, multilateralism in East Asia, and non-traditional human security issues will be discussed.

**POL4110 NORTH KOREAN POLITICS & FOREIGN POLICY**

This course will explore contemporary North Korean politics and foreign policy in both theoretical and analytical manner. Main focus will be given to decision makers including Kim Il Sung and Kim Jong Il, political system and succession politics, and Juche ideology with its impact on North Korean negotiation tactics.

**POL4114 POLITICAL ECONOMY OF CHINA**

This undergraduate course provides a comparative and theoretical introduction to the recent economic, political, and social transformation of Chinese societies. This complex transformation from "Actually Existing Socialism" or "Socialism on earth" provides an intriguing laboratory for the examination of classical questions of political economy referring back to Marx, Weber, Polanyi, the genesis of class and class politics, and so on.

**POL4133 THE POLITICS OF THINGS**

This class is an advanced research seminar on politics of things. The students are required to analyze and understand a thing(-s) through diverse (and even unconventional) political and interdisciplinary approaches to define and analyze their politicalities and their interactions with human beings, their organization, ecosystem, and other things where they exist in time and space.

**POL4412 MODERN DIPLOMATIC HISTORY**

This course covers western diplomatic history from the period beginning with the treaty of Versailles through World War II when open diplomacy started. The diplomatic history during the closed diplomacy period will be dealt with separately on a topical basis.

**POL4421 COLLOQUIUM ON NATIONALISM & EAST ASIAN SECURITY**

This course is a colloquia in which students and the professor discusses the role of nationalism and its influence on East Asian security in theoretical and analytical context. An essay is required for successful completion of this course. (Prerequisite: POL3422)

**POL4822 GLOBAL POLITICS OF ENVIRONMENT**

Why do we have environmental problems and how can we cope with them? What are the impacts of globalization on the environment? How can we use political institutions, regulations, market mechanisms, or voluntary schemes to form environmental policies? This course will address the theoretical concepts behind these questions and examine their application in pertinent environmental issues, and give students an introduction to key concepts in environmental policy and politics and their relations to globalization.

**POL4824 COMMUNICATION TECHNOLOGIES AND CIVIL SOCIETY**

This course is designed to help students have better understanding about how communication technologies and community are related to each other. Through this course, students will have better understanding about how communication and information technologies affect and reflect people's positioning in both place-based and placeless communities.

**POL4825 ORGANIZATIONAL BEHAVIOR AND PUBLIC POLICY**

This course is a teaching tool about the origins, processes and the consequences of policy and its making in terms of organizational behavior.

**POL4827 ORDER, DISORDER AND SUSTAINABILITY IN THE GLOBAL ECONOMY**

This course is intended to introduce students to the theories and practices of various development models at certain historically specific time. We will, first, consider both mainstream and critical approaches to the study of political economy of development and comparative economic history, paying particular attention to the basic assumptions and propositions of the each major approach.

**POL4830 CAUSES OF WAR AND PEACE IN INTERNATIONAL RELATIONS**

This course is designed for students whose interests lie in the investigation on the causes of inter-state war and of peace. The course will start by focusing on a set of IR theories which inform us of the systemic causes of inter-state militarized disputes and of peace. After discussing the theories in details, the course will touch upon a number of

historical examples.

#### **POL4833 VILLAGE COMMUNITY POLITICS**

This course provides an introduction to 'village, community, and urban politics with hands-on field studies. What are village community and urban politics? How can we make Seoul, Shinchon or your community better? How do you analyze your community and enhance sustainability? We discuss problems of energy, social economy, urban renewal, social capital, cooperative governance. We examine some real-world case studies from cities and towns in Asia and elsewhere to illustrate both problems and solutions.

#### **POL4835 APPLIED DATA ANALYSIS**

This course aims to provide you with a general road map of the scientific study of political inquiry. To that end, I have the following main goals in this course. First, we will focus on establishing the central role of causal explanation in political science. It is important to understand that any substantive research, whether it uses quantitative or qualitative analysis, remains incomplete unless it is grounded in a sound theoretical understanding of causation and other related concepts. Second, while there are different research models and approaches, we will concentrate on one of them: statistical explanation.

## ● LIFE SCIENCE AND BIOTECHNOLOGY ●

### **Goal**

In modern times our world faces many challenges ranging from public health problems to environmental issues. The life sciences provide a platform for solving such problems through the development of therapeutic drugs, diagnostic tools, and biomaterials for clinical and industrial applications, as well as through producing general knowledge about living systems. As an academic discipline, the Life Science and Biotechnology (LSBT) major at UIC aims to arm students with the capabilities and creativity to become leading scientists and tackle these challenges. Drawing on cutting-edge techniques in biological and biomedical sciences, research in this field is focused on elucidating the functions of genes, proteins, tissues, cells, and organisms that constitute life. Students in the LSBT major will gain knowledge in the basic sciences as well as in advanced sub-disciplines that will prepare them for challenging yet fulfilling careers in areas such as health care, academic research, biopharmaceuticals research, and environmental science.

### **Curriculum**

Coursework in the LSBT major provides students with an education in the fundamental properties and mechanisms of living systems, as well as novel technologies and practical innovations aimed at improving our quality of life. To achieve this, the LSBT program includes basic science courses that focus on topics such as organic chemistry, biochemistry, cell biology, and genetics, as well as more advanced and focused courses covering topics such as immunology, neuroscience, bioinformatics, cancer biology, toxicology, and nanotechnology. Like all courses in UIC, class sizes are small, allowing for lively discussions and close contact between professors and students. Also, students can easily access the professors outside of class. In addition to receiving an excellent in-class experience, LSBT students have the opportunity to work on independent research projects under the guidance of faculty from the College of Life Science and Biotechnology.

### **Career**

UIC LSBT alumni have been very successful. Our graduates have gone on to enroll in top professional and graduate programs abroad and in Korea, or have begun working in the private sector directly. Because of the relatively small size of the program, students can receive individual attention and advice from faculty related to choosing a career path. In addition, because students have access to a range of internship and research opportunities, they can gain valuable experience which helps them to make plans for the future. We have alumni currently enrolled in professional programs including medical school, dental school, and law school, and a range of graduate programs including biochemistry, immunology, and public health.

### **Faculty**

The LSBT faculty is drawn from the College of Life Science and Biotechnology, which is composed of over 47 faculty members covering diverse sub-disciplines including protein biochemistry, molecular biology, cell biology, mouse genetics, cancer biology, microbiology, immunology, virology, neuroscience, nanotechnology, and plant biology. UIC's LSBT students will be exposed to various academic fields in modern biology through their close relationships with faculty involved in the program. Last, but not the least, LSBT students are intimately supervised by LSBT faculty via an one-on-one mentor/mentee program, in which students regularly meet their faculty mentors, and receive advice on their

career paths.

## Curriculum Chart ○

Classification Abbreviation : CC-Common Curriculum, UICE-UIC Elective, MB-Major Basic, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	UICE	BIO1001	GENERAL BIOLOGY AND LABORATORY I	3	2(2)
	UICE	BIO1002	GENERAL BIOLOGY AND LABORATORY II	3	2(2)
	UICE	CHE1001	GENERAL CHEMISTRY AND EXPERIMENT I	3	3(2)
	UICE	CHE1002	GENERAL CHEMISTRY AND EXPERIMENT II	3	3(2)
	UICE	PHY1001	GENERAL PHYSICS AND LABORATORY I	3	3(2)
	UICE	PHY1002	GENERAL PHYSICS AND LABORATORY II	3	3(2)
	UICE	MAT1001	CALCULUS AND VECTOR ANALYSIS I	3	3(1)
	UICE	MAT1002	CALCULUS AND VECTOR ANALYSIS II	3	3(1)
2	MR	LSB3101	BIOCHEMISTRY (1)	3	3(0)
	MR	UIC2004	UIC ORGANIC CHEMISTRY(1)	3	3(0)
	ME	LST2003	GENETICS	3	3(0)
	ME	BIO2208	INTRODUCTION TO MODERN BIOLOGICAL SCIENCE AND RESEARCH	2	2(0)
	MR	UIC2003	UIC ORGANIC CHEMISTRY(2)	3	3(0)
	MR	BTE2202	GENERAL MICROBIOLOGY	3	3(0)
	ME	BTE2402	APPLIED MICROBIOLOGY	3	3(0)
	MR	BTE2601	EXPERIMENT IN MOLECULAR BIOTECHNOLOGY	3	0(6)
	ME	LSB3102	BIOCHEMISTRY(2)	3	3(0)
3	MR	BTE3101	CELL BIOTECHNOLOGY (CELL BIOLOGY)	3	3(0)
	ME	BTE3103	FOOD BIOCHEMISTRY	3	3(0)
	MR	LST3206	DEVELOPMENTAL BIOLOGY	3	3(0)
	ME	LST3003	APPLIED BIOTECHNOLOGY	3	3(0)
	ME	LST3103	JUNIOR INDEPENDENT STUDY	3	3(0)
	ME	BTE3402	MICROBIAL BIOTECHNOLOGY	3	3(0)
	ME	BTE3608	CHEMICAL BIOLOGY	3	3(0)
	MR	LST3104	MOLECULAR BIOLOGY	3	3(0)
3,4	ME	BTE3403	IMMUNOLOGY	3	3(0)
	ME	BTE3408	INSTRUMENTAL ANALYSIS IN BIOTECHNOLOGY	3	3(0)
	MR	BTE3601	EXPERIMENT IN MICROBIOLOGY AND BIOCHEMICAL ENGINEERING	3	0(6)
	ME	LST3001	ADVANCED EXPERIMENT IN LIFE SCIENCE & TECHNOLOGY	3	3(0)
	ME	BTE3607	PHYSIOLOGY	3	3(0)
4	ME	BTE4610	VIRUS AND HOST	3	3(0)
	ME	BTE4612	FOOD AND FERMENTATION TECHNOLOGY	3	3(0)
	ME	LST4001	SENIOR INDEPENDENT STUDY	3	3(0)
	ME	LST4002	CANCER BIOLOGY	3	3(0)
	ME	LST4003	CANCER DEVELOPMENT	3	3(0)

\* In order to fulfill the basic science course requirement during the first year, LSBT majors may take one course from the CC L-H-P Series during their sophomore year.

\* In lieu of “Senior Thesis An Independent Study,” LSBT students may take “Junior Independent Study” and “Senior Independent Study” (1 year, total 3 credits each).

\* UIC LSBT majors can take College of LSBT courses from the Departments of Systems Biology (BIO), Biochemistry (BCH), or Biotechnology (BTE) taught in Korean (or English), and up to 4 of these courses (12 credits) can be counted toward fulfilling the ME credit requirements for the major. The exceptions to this rule are MR courses, which must be taken within the UIC course offerings.

## ○ Major/Minor Requirements ○

### • Basic Science Courses Requirements

Basic Science Requirements will be fulfilled by taking any 6 courses from Calculus I & II, Physics I & II,

Chemistry I & II and Biology I & II. It can also be retroactively applied for students admitted before 2016. Students admitted before 2016 who have already fulfilled the previous requirements are not affected by the revised requirement.

\* LSBT minors have to take General Biology and Laboratory I, II.

\* These basic science courses are required but will not count toward fulfilling the major requirement.

- **Specialized Course Requirements**

**Major:** LSBT majors admitted in 2008 have to fulfill 57 credit-hours (42 credit-hours for students admitted in 2007 and before) among LSBT courses including the following 7 requisite courses (21 credit-hours): General Microbiology, Organic Chemistry, Biochemistry, Cell Biotechnology, Molecular Biology, Chemical Biology and Experiment in Molecular Cell Biology.

LSBT majors admitted in 2009~2018 have to fulfill 57 credit-hours among LSBT courses including the following 5 requisite courses (15 credit-hours): (UIC) Organic Chemistry, Biochemistry, Cell Biotechnology, Molecular Biology, and one course from Experiment in Molecular Biotechnology, Experiment in Microbiology and Biochemical Engineering or Experiment in Molecular Cell Biology or Junior Independent Study or Senior Independent Study.

LSBT majors admitted in 2019 and thereafter have to fulfill 57 credit-hours among LSBT courses including the following 5 requisite courses (15 credit-hours): UIC Organic Chemistry, Biochemistry, Cell Biotechnology, Molecular Biology, and one course from Experiment in Molecular Biotechnology, Experiment in Microbiology and Biochemical Engineering or Junior Independent Study or Senior Independent Study.

**Double Major:** Students admitted in 2009~2018 have to fulfill 36 credit-hours among LSBT courses including the following 4 requisite courses (12 credit-hours): Biochemistry, Cell Biotechnology, Molecular Biology, and one course from Experiment in Molecular Biotechnology, Experiment in Microbiology and Biochemical Engineering or Experiment in Molecular Cell Biology or Junior Independent Study or Senior Independent Study.

Students admitted in 2019 and thereafter have to fulfill 36 credit-hours among LSBT courses including the following 4 requisite courses (12 credit-hours): Biochemistry, Cell Biotechnology, Molecular Biology, and one course from Experiment in Molecular Biotechnology, Experiment in Microbiology and Biochemical Engineering or Junior Independent Study or Senior Independent Study.

**Minor:** 18 credit-hours required within LSBT course offerings including the following 3 requisite courses (9 credit-hours): Biochemistry, Cell Biotechnology, and Molecular Biology.

\* NOTE: Students must take these Specialized Course Requirements through UIC as UIC only courses. These courses cannot be taken in a department outside of UIC even if they are taught in English.

## ○ Course Descriptions ○

### BIO1001 GENERAL BIOLOGY AND LABORATORY I

This course provides a foundational understanding of the fundamental principles of life science, focusing on understanding basic life processes at the cellular and molecular level. Laboratory classes will give students the opportunity to learn and experience lab methodologies while providing background knowledge for the class.

### BIO1002 GENERAL BIOLOGY AND LABORATORY II

This course provides students with an in-depth knowledge of various topics in life science. Topics include molecular biology, biotechnology and its applications, and fundamental biological properties of animals and plants.

### CHE1001 GENERAL CHEMISTRY AND EXPERIMENT I

Demonstrating skills in logical thinking. Applying chemical concepts to problem solving. Understanding: basic concepts, theories, and principles of chemistry, stoichiometry and chemical reactions, thermochemistry, electronic structure of atoms and ions, atomic and molecular orbitals, chemical bonds and molecular geometry.

### CHE1002 GENERAL CHEMISTRY AND EXPERIMENT II

Understanding basic concepts, theories, and principles of chemistry. Demonstrating skills in logical thinking. Applying chemical concepts to problem solving. Learning the language and terminology of chemistry. The following topics will be covered: States of matter and intermolecular forces: liquids, solids and solutions. Reaction, acid-base and solubility equilibria. Chemical kinetics, chemical thermodynamics and electrochemistry. Environmental chemistry: atmosphere and hydrosphere.

### MAT1001 CALCULUS AND VECTOR ANALYSIS I

Calculus and Vector Analysis is the first college-level math course to provide the fundamental mathematical



understanding and practices for the students who plan to study further in the broad area of science such as physics, chemistry, biology, social sciences and engineering. As the first part of one-year course, we will focus on function, differentiation and integration in this semester. The contents of the course are largely overlapped with high school-level curriculum, but will be studied in more depth by: (i) increasing the fundamental understanding of mathematical concepts and (ii) applying mathematical methods for more practical and real problems.

#### MAT1002 CALCULUS AND VECTOR ANALYSIS II

In the second part of one-year Calculus course, we study vector calculus, partial derivatives, and multiple integrals. These subjects are in college-level mathematics, but are essential for many branches of advanced science. Also, other UIC students who plan to study, and want to excel in, social sciences, biology, and economics are also encouraged to attend, as the fundamental mathematical and analytic tools for scientific studies. This course is prerequisite for Linear Algebra.

#### PHY1001 GENERAL PHYSICS AND LABORATORY I

This is a calculus based general physics course covering vectors, motion in one and two dimensions, Newton's laws, work and energy, momentum, collisions, rotational motions, elasticity, oscillations, fluid mechanics, waves in elastic media, sound waves, three laws of thermodynamics. Experiments include free fall, gravitational acceleration, projectile motion, conservation of linear momentum, ballistic pendulum, moment of inertia, venturi apparatus, harmonic oscillation, damped oscillation, Doppler effect in sound, energy transfer-thermoelectric, cyclic heat engine.

Measurements of physical quantities in some of Experiments can be done via computer interfaced data acquisition system. All experimental equipments and apparatus are highly sophisticated. With a prior notice, the Lab schedule can be changed depending on Lab conditions. Written laboratory reports including data reduction and error analysis are required and should be submitted within a week after each experiment.

#### PHY1002 GENERAL PHYSICS AND LABORATORY II

This is a calculus based general physics course covering electrostatics (such as the electric force, the electric field, Gauss's law, electric potential, capacitors and dielectrics), electromotive force, current and circuits, the magnetic field, Ampere's law, Faraday's law, inductance, electromagnetic oscillations, alternating currents, Maxwell's equations, electromagnetic waves, geometrical optics, interference and diffraction and an introduction to modern physics. Experiments include L-R-C circuits, Interference/Diffraction and Polarization of light. Measurements of physical quantities in some of Experiments can be done via computer interfaced data acquisition system. All experimental equipments and apparatus are highly sophisticated. With a prior notice, the Lab schedule can be changed depending on Lab conditions. Written laboratory reports including data reduction and error analysis are required and should be submitted within a week after each experiment.

#### LST2003 GENETICS

The study of genetics focuses on understanding phenotypic variation and the mechanisms underlying inheritance. The processes that participate in converting an individual's genotype into the phenotypes displayed by that individual are of particular interest and importance. In this course we will discuss the fundamental properties of genes and the various approaches to genetic analysis, as it is performed in several different model organisms. When applicable, we will discuss current examples of genetics issues that arise in the literature or in the media and link these examples to topics covered in class.

#### BIO2208 INTRODUCTION TO MODERN BIOLOGICAL SCIENCE AND RESEARCH

In this class the basic and important key concepts and future trends of current life and biological sciences would be introduced to the undergraduate students majoring biology and biological science. In addition, the modern research trends linked the research interests of department faculties would be reviewed and discussed.

#### UIC2004 UIC ORGANIC CHEMISTRY 1

First half of two-semester sequence in the fundamentals of modern organic chemistry. Structure and bonding, stereochemistry, reactivity and synthesis of carbon compounds. Detailed coverage of aliphatic hydrocarbons, alkenes, alkynes, and alkyl halides. Introduction to spectral techniques (IR, NMR and mass spectroscopy).

#### UIC2003 UIC ORGANIC CHEMISTRY 2

Second half of a two-semester sequence in modern organic chemistry. Continuation of mechanistic approach to reactions and synthesis of organic compounds. Detailed coverage of carbonyl compounds (aldehydes, ketones, acids), aromatic chemistry and amines. Spectral techniques employed throughout.

#### BTE2202 GENERAL MICROBIOLOGY

This lecture covers the first half of the textbook, Brock Biology of Microorganisms, including structures and

functions of cells, microbial physiology, gene expression and regulation, and introduction to virology. Students will learn about the life of microorganisms and viruses and how microbiology provides basic and essential concepts useful in diverse fields of biological science and biotechnology.

#### **BTE2402 APPLIED MICROBIOLOGY**

Applied Microbiology course covers bacterial genetics, microbial diversity, viral diversity (bacteriophages and animal viruses), basic immunology, host-pathogen interactions, industrial microbiology, and practical application of genetic engineering. This course is designed mainly for 2nd year students majoring life sciences and biotechnology and requires a solid background in general microbiology and biology.

#### **BTE3101 CELL BIOTECHNOLOGY (CELL BIOLOGY)**

Understanding the structures of living cells and molecular regulatory mechanisms in cell signaling pathways. Study on pathogenesis and understanding the development of diseases induced by mutation. Concepts on gene therapy.

#### **LSB3101 BIOCHEMISTRY 1**

This course introduces the four major classes of biomolecules: proteins, nucleic acids, carbohydrates, and lipids, as well as the techniques used to study their form and function. The major concepts and principles covered include biochemical evolution, protein structure and function, RNA, DNA, the flow of genetic information, genes, genomes, bioinformatics, hemoglobin, enzyme kinetics, catalytic and regulatory strategies of enzymes, carbohydrates, lipids, and cell membranes.

#### **BTE3103 FOOD BIOCHEMISTRY**

Food biochemistry is concerned with the principles of biochemistry which underlie the structure and behavior of substance and matter in food. It provides updated information on fundamental topics such as sugars, polysaccharide, lipids, proteins, colours, flavors, preservatives, enzyme, functional foods, and dietary supplements. Each of these areas is directly related to the current effort of commercializing food products and adding new value to them. The successful application of this knowledge is ultimately essential to the development and growth of major aspects of food science, including production, processing, preservation, distribution, safety, and engineering and technology.

#### **BTE2601 EXPERIMENT IN MOLECULAR BIOTECHNOLOGY**

This class is very interactive lab course covering general molecular biology techniques. Students will perform various experiments covering such topics as DNA isolation, PCR, gene cloning, protein expression and purification, enzyme assays, cell culture, and virus infection.

#### **LSB3102 BIOCHEMISTRY 2**

From basic understanding of metabolism, structure and function of bio-molecules and their interactions governing complex life phenomena, the course aims to offer applications of fundamental principles of biochemistry for various human needs.

#### **BIO3105 NEUROSCIENCE: EXPLORING THE BRAIN**

The purpose of this class is to provide a systematic introduction to the mammalian nervous system, emphasizing the structural and functional organization and to expose students to the field of neuroscience. This course begins with the study of nerve cells: their structure, the propagation of nerve impulses and transfer of information between nerve cells, neurotransmitters. Then we move to brain circuit which control sensory perception, vigilance, emotion, learning and memory.

#### **LST3206 DEVELOPMENTAL BIOLOGY**

This course studies the cellular initiation and construction of mammalian organisms. The major models of amniote and mammalian developmental biology are used to facilitate the study of early development (cleavage, gastrulation, and axis formation), building with ectoderm (the vertebrate nervous system and epidermis), and building with mesoderm and endoderm (organogenesis).

#### **BTE3403 IMMUNOLOGY**

This course is intended to provide the basic concept about how the immune system can respond to pathogenic infection, the components of immune system, molecular and cellular phenomena for immune reactions. In the second half of the course will cover the molecular and cellular aspects of various immunological diseases such as graft rejection in organ and tissue transplantation, autoimmune diseases such as Rheumatoid Arthritis, Diabetes, Atopic Dermatitis, and the experimental strategies to develop the novel therapeutics for the treatment of these immunological diseases.

#### **BTE3408 INSTRUMENTAL ANALYSIS IN BIOTECHNOLOGY**

The general objective of this course is to survey the theory and practice of modern analytical instrumentation.

Emphasis placed on the possibilities and limitations inherent in the various methods available to today's biotechnology. The format involves three topics such as spectroscopy, chromatography and microscopy. A general framework for understanding instrumental methods will be presented.

#### BTE3601 EXPERIMENT IN MICROBIOLOGY AND BIOCHEMICAL ENGINEERING

Basic and applied biological experiments will be performed. Manipulation skills of microorganisms, antibiotic activity tests, drug test using animals, synthesis of nanomaterials and Lab-on-a-chips, etc. will be included.

#### BTE4610 VIRUS AND HOST

This course is intended to provide an introduction to basic concepts in virology and viral life cycles and to cover topics of various host responses induced by virus infection. Lectures will be focused on in-depth molecular mechanisms for propagation of pathogenic human and animal viruses and how viral infection can be controlled.

#### BTE4612 FOOD AND FERMENTATION TECHNOLOGY

This course provides a one-semester overview of the Food and Fermentation Technology subject related to a wide range of starter cultures and manufacturing procedures for popular alcoholic beverages and bakery, dairy, meat, cereal, soy, and vegetable food products. This course highlights these developments and provides detailed background and manufacturing information; for example, the type of raw material used, its pretreatment, the temperature/climate, and the conditions of the fermentation process.

#### LST3001 ADVANCED EXPERIMENTS IN LIFE SCIENCE AND TECHNOLOGY

This course will provide the advanced laboratory skills on Life Science and Technology experiments such as analysis of DNA, RNA and proteins, molecular and cellular manipulation of microorganisms, eukaryotic cells and plant cells, advanced level of bio-processing for generation of therapeutically important reagents, and therapeutic analysis of biologically active compounds.

#### LST3003 APPLIED BIOTECHNOLOGY

This Major Elective (ME) course covers modern and current applications of biotechnology, including various forms of genetic modification, genomics, synthetic biology, metabolic engineering, cloning, and stem cell technologies. For each topic, we will cover the history behind the technology, current applications of the technology, as well as possible ethical and societal issues.

#### LST3103 JUNIOR INDEPENDENT STUDY

The goal is to expose students to laboratory research through a project conducted in the laboratory of an LSBT (or other) faculty member. Students who wish to take this course should plan in advance by 1) identifying professors conducting research that they are interested in and 2) contacting those professors by e-mail to ask if they have space for an undergraduate researcher. Although students will register for this course for the Fall Semester, it is acceptable for students to actually do the research in the summer time when they are not taking classes. Students may also conduct their research project outside of Yonsei University as long as permission from Professor Soderholm is obtained in advance. In the course of doing Junior Independent Study, students will get hands-on experience with laboratory techniques and will assist with an ongoing laboratory project.

#### BTE3402 MICROBIAL BIOTECHNOLOGY

This class aims to provide students extensive information about diverse fields of microbial biotechnology, further extending from Basic Microbiology and Applied Microbiology. Our class will cover three major fields of microbial biotechnology, Medical Microbiology, Industrial Microbiology, and Environmental Microbiology, which will play pivotal roles in medicine, natural environment, and bioindustry in the future human society. Through this class students are expected to have comprehensive vision about future science as well as microbial biotechnology. The official language for this class is English.

#### BTE3608 CHEMICAL BIOLOGY

This course focuses on the interface between chemistry and biology with an emphasis on the identification, design, synthesis, and application of biologically active small molecules. Such small molecules may be used to study fundamental biological processes or they may be developed as therapeutic agents targeting specific diseases. We will discuss topics such as forward and reverse chemical genetics, genetic engineering and in vivo drug synthesis, and novel methods of chemical library synthesis. With each topic covered in lecture, we will read and discuss primary research papers. As the course is primarily research article-based, most topics will be new and will require analytical paper reading and discussion.

#### LST4001 SENIOR INDEPENDENT STUDY

To expose and involve individual students in laboratory-based scientific research. Lab work typically begins during winter break. The details, however, will be worked out by each individual student and their respective laboratory.

Students should spend at least 200 hours working in the laboratory as well as write a research proposal and final report summarizing their own lab work results. Focus of the class: Personal commitment to, and time and effort investment in, a laboratory research project. Students will be evaluated on their laboratory work, research proposal, and final paper.

#### LST3104 MOLECULAR BIOLOGY

This course will focus on the detailed mechanisms associated with genes and how gene expression is regulated in prokaryotes and in eukaryotes. Specific topics will include DNA replication, genome organization, transcription, RNA processing, translation, and RNA interference.

#### BTE3607 PHYSIOLOGY

This course is intended to provide the basic concept about various physiological systems of a human body, the components of each physiological system, molecular and cellular phenomena for physiological reactions. The second half of the course will cover the molecular and cellular aspects of how body system can react to various body conditions and the experimental strategies to develop the novel therapeutics for the regulation of physiological systems.

#### LST4002 CANCER BIOLOGY

This is the first course in a two course series which introduces the molecular and cellular nature of cancer. Topics include tumor viruses, oncogenes, growth factors and receptors, cytoplasmic signaling, tumor suppressor genes, pRb and the cell cycle clock, p53 and apoptosis, and cellular immortalization.

#### LST4003 CANCER DEVELOPMENT

The behavioral differences between individual cells from normal tissues and those from tumors, and how cancer cells learn to invade other tissues and create the metastases responsible for cancer mortality. To introduce the major concepts and principles of cancer biology including tumor viruses, oncogenes, signal transduction, tumor suppressors, the cell cycle, angiogenesis, metastasis, and cancer treatment.

## ● ASIAN STUDIES ●

### **Goal**

The Asian Studies (AS) major is an interdisciplinary program founded on the Humanities and the Social Sciences and dedicated to the humanistic study of East Asia. For some students the major will provide the intellectual foundations for graduate study. For others, this course of study will serve as a springboard to professional careers boosted by cosmopolitan perspectives on the variety of intellectual, literary, and political endeavors that give shape to modernity in East Asia. For every student, this major provides opportunities for critical inquiry into questions and issues that are of vital importance to knowing the interconnections between places and to capably engage with the world.

### **Curriculum**

The Asian Studies major builds on the Common Curriculum's focus on critical thinking, writing, and reading. As a gateway to the Asian Studies major, students take the Introduction to Asian Studies course in the first year. Starting in the second year, Asian Studies majors take courses in the Asian Studies Literature-History-Philosophy (LHP) series, and then continue on to major electives taught by select University faculty. After their second year, students are encouraged to study abroad for at least one semester.

### **Career**

Being knowledgeable about the histories and interconnections between places, able to think critically and to speak and write persuasively, graduates of the AS major will be well positioned to pursue careers in both the public and private sector. In government service, or working with NGOs and international organizations, AS graduates can pursue careers in fields as diverse as international diplomacy or non-profit advocacy. With global corporations or with media and arts organizations, with deep local knowledge along with confidence and capacity to engage the world, AS graduates can pursue professional and business careers helping to create thriving economies and vibrant intellectual and cultural communities. AS graduates will also be well prepared to pursue graduate study in the humanities or the social sciences leading to careers in higher education for a global audience.

○ Curriculum Chart ○

Classification Abbreviation: MR-Major Requisite, ME-Major Elective

CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
MR	ASP1011	INTRODUCTION TO ASIAN STUDIES	3	3(0)
AS LHP	ASP2001	TOPICS IN ASIAN ECONOMIC HISTORY	3	3(0)
AS LHP	ASP2002	VIOLENCE AND SOCIETY IN MODERN SOUTH ASIA	3	3(0)
AS LHP	ASP2004	READING COLONIAL JAPAN	3	3(0)
AS LHP	ASP2006	SELECTED TOPICS IN CHINESE THOUGHT	3	3(0)
AS LHP	ASP2007	KOREAN WAR	3	3(0)
AS LHP	ASP2008	HISTORY OF MODERN KOREA	3	3(0)
AS LHP	ASP2011	SELECTED TOPICS IN CHINESE THOUGHT (2)	3	3(0)
AS LHP	ASP2012	POSTWAR KOREAN LITERATURE: PARTITION, TRAUMA, AND REMEMBRANCE	3	3(0)
AS LHP	ASP2013	HUMAN RIGHTS IN DIVIDED KOREA	3	3(0)
AS LHP	ASP2014	COLD WAR IN EAST ASIA	3	3(0)
AS LHP	ASP2015	POSTWAR JAPAN: WAR, MEMORY AND POP CULTURE	3	3(0)
AS LHP	ASP2016	MODERN CHINA	3	3(0)
AS LHP	ASP2019	SOCIAL MOVEMENTS IN MODERN JAPAN	3	3(0)
AS LHP	ASP2020	GENDER IN MODERN JAPANESE HISTORY	3	3(0)
AS LHP	ASP2021	JAPANESE POPULAR CULTURE FROM THE 18TH CENTURY TO THE PRESENT	3	3(0)
AS LHP	ASP2022	CHINESE CINEMAS; NATIONAL AND TRANSNATIONAL PERSPECTIVES	3	3(0)
AS LHP	ASP2024	MODERNITY AND CHINESE LITERATURE	3	3(0)
AS LHP	ASP2025	POSTWAR JAPAN: POLITICS AND CULTURE	3	3(0)
AS LHP	ASP2026	ETHNICITY AND NATIONALISM IN SOUTH ASIA, 1830-1980	3	3(0)
AS LHP	ASP2028	TRANSNATIONAL FEMINISM IN ASIA	3	3(0)
AS LHP	ASP2036	MEMORY AND MEMORIALIZATION IN ASIA AND BEYOND	3	3(0)
AS LHP	ASP2037	THE KOREAN WAVE	3	3(0)
AS LHP	ASP2038	TOPICS IN CHINESE HISTORY	3	3(0)
AS LHP	ASP2039	WARS IN EAST ASIA 1839-PRESENT	3	3(0)
AS LHP	ASP3007	CAPITALISM AND ITS CRITICS; KOREA 1920-PRESENT	3	3(0)
AS LHP	ASP3008	SPACE AND MOBILITY IN EARLY MODERN JAPAN 1603-1868	3	3(0)
AS LHP	ASP3009	SOVEREIGNTY AND NATIONALISM IN KOREA	3	3(0)
AS LHP	ASP3017	RACE AND VIOLENCE IN MODERN JAPAN	3	3(0)
AS LHP	ASP3018	HISTORIOGRAPHY ON KOREA	3	3(0)
AS LHP	ASP3019	JAPANESE FICTION AND FILM	3	3(0)
ME	ASP2023	UNDERSTANDING KOREAN ART AND AESTHETICS	3	3(0)
ME	ASP2030	MODERN KOREAN FICTION AND FILM	3	3(0)
ME	ASP2033	NORTH KOREA: HISTORY, CULTURE, POLITICS	3	3(0)
ME	ASP3003	POWER AND MARGINALITY IN POST-SOCIALIST CHINA	3	3(0)
ME	ASP3004	TRANSNATIONAL EAST ASIAN CINEMAS	3	3(0)
ME	ASP3005	HISTORY OF KOREAN PAINTING	3	3(0)
ME	ASP3006	WOMEN IN KOREAN ART: GENDER, IDENTITY AND REPRESENTATION	3	3(0)
ME	ASP3011	CONTEMPORARY ISSUES IN CHINESE ECONOMY	3	3(0)
ME	ASP3024	ETHNICITY AND CULTURE IN ASIA	3	3(0)
ME	ASP3026	RELIGIOUS PRACTICE IN KOREAN HISTORY	3	3(0)
ME	ASP3029	GENDER AND KOREAN SOCIETY	3	3(0)
ME	ASP3030	FOOD AND CULTURE IN ASIA	3	3(0)
ME	POL3153	UNDERSTANDING CHINESE POLITICS	3	3(0)
ME	CLC3708	MANGA: THE ILLUMINATED TEXT	3	3(0)
ME	CLC4719	TRADITION AND POPULAR CULTURE IN ASIAN THEATER	3	3(0)
ME	ASP4001	CONTEMPORARY SOUTHEAST ASIA	3	3(0)
ME	ASP4002	VISUALITY AND EAST ASIA: VISUAL REGIMES AND DOCUMENTARIES	3	3(0)
ME	ASP4003	CRITICAL ISSUES IN SOUTHEAST ASIA	3	3(0)

CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
ME	ASP4004	ART AND AESTHETICS IN ASIA	3	3(0)
ME	ASP4005	ASIAN STUDIES RESEARCH SEMINAR	3	3(0)
ME	ASP4007	THEORY AND PRACTICE CONTEMPORARY KOREA	3	3(0)

○ Major/Minor Requirements ○

- Major: 42 credit-hours must be fulfilled from Asian Studies major courses. The following courses are mandatory: Introduction to Asian Studies (3 credits) and ASP LHP Series (12 credits). Asian Studies majors must also take 2 semesters of one foreign language courses. Only UIC language courses can fulfill the language requirement.
- Double major: 36 credit-hours are required. Double majors must complete the required courses of Asian Studies majors.
- Minor: 21 credit-hours are required. Introduction to Asian Studies (3 credits) and ASP LHP Series (12 credits) are required for Asian Studies minors. Those who wish to minor in Asian Studies need to take 2 semesters of one foreign language courses.
- If an AS student takes more language classes than the language requirement, up to 4 courses (12 credits) of the additional classes will be counted as Major Elective (ME).

○ Course Descriptions ○

ASP1011 INTRODUCTION TO ASIAN STUDIES

Required for all first-year AS students, this course examines the political, social, and cultural trajectories that constitute contemporary East Asia, focusing on select questions and issues that are of key importance to understanding the region. The course is organized into three distinct units focusing on China, Japan, and Korea, but with attention to texts, events, and flows that have transnational, regional, or global resonance. As the gateway to the Asian Studies major, students will be drawn into the practice of critical inquiry that is foundational to both the liberal arts and the study of contemporary East Asia.

ASP2001 TOPICS IN ASIAN ECONOMIC HISTORY

This is a reading, writing, and discussion-intensive course that examines developments in trade, energy, economics, and the environment in the course of human development from the premodern to the modern era in Asia. Using a combination of lecture and class discussion, we will examine the facts and arguments surrounding Asian economic development within the broader context of global, Asian, economic, and environmental history. We will pay special attention to the dominant historiographies and debates surrounding similarities and differences in economic development between the East and the West.

ASP2002 VIOLENCE AND SOCIETY IN MODERN SOUTH ASIA

In recent years, 'violence' has emerged as a key theme in the study of modern south Asia. Researchers in disciplines ranging from history to literature, sociology, anthropology, political science, psychology, and post-colonial studies, have adopted 'violence' as a lens through which to observe and analyze south Asian societies. Perhaps because of this growth in interest, however, there has also been considerable debate both over the use of the term and its applicability to south Asia, e.g. Does violence always have to involve action, or can it also be said to take place in other ways? Does violence have the same meaning everywhere, or should its meaning be determined according to culture? Besides introducing students to the various debates and theories concerning violence in modern South Asia, this course is also designed to help you to think with difficult, often abstract concepts and to become accustomed to writing about such ideas in a reasoned and analytical way.

ASP2004 READING COLONIAL JAPAN

This course examines Japan's modern empire from the late nineteenth century to 1945. The course readings consist of scholarly works in a number of disciplines including anthropology, history and literature as well as a variety of primary sources in English translation. We will look at how Japan's modern empire extended from Sakhalin Island north of the Japanese archipelago to the Solomon Islands in the South Pacific and expanded into Manchuria, areas of China, Korea, and much of Southeast Asia and Micronesia and investigate how colonial processes intrinsically demanded a political, economic, and cultural exchange through negotiation, struggle, collaboration, and resistance.

#### ASP2006 SELECTED TOPICS IN CHINESE THOUGHT

A general survey of Chinese thought from the earliest period to the 20th century, including I Ching, Taoism, Confucianism, Buddhism and modernity issues during the May Fourth period. Primary focus will be given to Taoism.

#### ASP2007 KOREAN WAR

The Korean War (1950-1953) was horrific in its violence and profoundly consequential for Korea, East Asia, and the global order. In the United States, and to some extent in South Korea, this war is remembered as an instance of American rescue that subsequently enabled South Korea's ascendancy. But what events and situations come to be erased by such a perspective? What are some of the other ways of narrating this war? To what degree was the Korean War a denouement of conflicts stemming from Japanese colonial rule? What happened between 1945 and 1948 when U.S. forces occupied southern Korea and the Soviet Army occupied northern Korea? Through an examination of both primary documents and secondary sources, we will consider the historiography on the origins, conduct, and impact of the Korean War.

#### ASP2008 HISTORY OF MODERN KOREA

To consider various dimensions of the "modern" and "Korea," we will look at texts that reflect the speed and scope of social, cultural, and political changes underway, and the (global) conditions that made such texts seem compelling. Our examination of essays, short stories, and historical documents, along with scholarly/interpretive readings of those texts, are meant to deepen our understanding of, and to raise critical questions about, colonialism and (failure of) decolonization, mid-20th century wars, the nation-state and historical consciousness, as well as democracy and capitalist modernity in South Korea with its attendant desires, suffering, and (illusions about) freedom.

#### ASP2011 SELECTED TOPICS IN CHINESE THOUGHT (2)

A general survey of Chinese thought from the earliest period to the 20th century, including I Ching, Taoism, Confucianism, Buddhism and modernity issues during the May Fourth period.

#### ASP2012 POSTWAR KOREAN LITERATURE: PARTITION, TRAUMA, AND REMEMBRANCE

This course examines how the Korean War and its aftermath are represented, remembered, as well as appropriated in diverse narrative forms--poems, short stories, novels, photographs, films, museums, and even memorials. Exploring catastrophes whose traumatic consequences are still felt and actively evolving, we will address the political urgency inherent in the dialectical processes of remembering and forgetting.

#### ASP2013 HUMAN RIGHTS IN DIVIDED KOREA

This course will examine the political and discursive context within which violations of human rights in Korea, both in the North and the South, become visible within South Korea and in international relations. We will critically examine both the theory and practice of human rights as they relate to Korea against the historical backdrop of the Korean War, the Cold War, and in more recent times neoliberal values and government-led celebrations of multiculturalism. Our study of contemporary human rights practices will require some amount of fieldwork, including interviews with individuals or groups identified by the students themselves as socially, economically, or politically excluded or marginalized. We will explore the assumptions as well as legal justifications that permit certain forms of violence and exclusion to escape definition as violations of human rights.

#### ASP2014 COLD WAR IN EAST ASIA

In our study of the Cold War in East Asia we will examine its historical origins, its ideas, and its culture, and also explore its political, institutional, and cultural legacies in the present. While keeping in mind that the Cold War was a global conflict that created mutually hostile, politically and culturally divided zones, our focus will be on the Chinese, Japanese, Korean, and American experience in East Asia. As our point of departure we will think about the atomic bombing of Hiroshima and Nagasaki as the last act of the Pacific War and also the first act of the Cold War in East Asia, as American interventions following World War II collided with anti-colonial movements throughout Asia. Keeping in mind the specific historical situations in which communist and anti-communist regimes came to be established, we will pay special attention to Cold War culture. With critical

attention to representations of family, race, gender, and private and public vigilance in relation to the omnipresent gaze of the national security state, students will be encouraged to write a final paper that closely examines some representative text, such as a film, speech, poster, monument, short story, or comic book.

#### ASP2015 POSTWAR JAPAN: WAR, MEMORY AND POP CULTURE

This course examines the way in which Japan has constructed and reconstructed its experience of WWII in popular memory, and how pop culture participates in the narrativization of war. Course materials include historical and literary works as well as cartoons and films.

#### ASP2016 MODERN CHINA

This course examines the paradigmatic studies on modern China, which contributed to shaping and reshaping our understanding of China in the first half of the twentieth century.

#### ASP2019 SOCIAL MOVEMENTS IN MODERN JAPAN

This course explores social movements in modern Japan from the outset of the Meiji Restoration (1868) to the present, focusing on large-scale collective protests against political and corporate institutions over a variety of issues pertaining to communal, national, and international problems.

Today, as we recently saw from new forms of protest elsewhere in the world, social movements can be shaped by popular media and cultural expressions, and are not dependent upon the involvement of conspicuous leading organizations. In response, commentators of a variety of political positions have sought to assess the (in)significance and (in)effectiveness of the protests. Inspired by these new features and recurring narrative constructions, this course pays specific attention to the cultural aspects of the social movements in modern Japanese history. I have designed this course to: 1) examine narratives of specific social movements often differently constructed by the participants and historians, and 2) reinterpret specific strategies, messages, and cultural expressions in light of the recent experiences of the social movements. Specifically, the course examines the ways in which issues and ideologies were expressed through, interacted with, and perhaps occasionally contradicted, various forms of arts, media narratives, and means of network formations. Rather than strictly following the chronology of events, the course underscores themes and problems manifest in specific social movements at certain historical moment.

#### ASP2020 GENDER IN MODERN JAPANESE HISTORY

This course explores history and culture of modern Japan from the mid-nineteenth century to the present, with a specific focus on transformations of gender relations. With the help of theoretical readings, students are expected to critically engage with a variety of primary and secondary sources to better understand gendered assumptions and heterosexual normativity implicated in these sources. In other words, the course deals with the constructed nature of historical narratives by using gender as an analytical lens and modern Japan as a case study. Though the course materials include a significant amount of women's writings and films on women, the course is not strictly on women's history. Rather, the course problematizes "women's history" as a category of historical studies and seeks to provide multiple perspectives to study gender relations.

#### ASP2021 JAPANESE POPULAR CULTURE FROM THE 18<sup>TH</sup> CENTURY TO THE PRESENT

This course explores popular culture in modern Japanese history from the mid Tokugawa period to the present with a specific focus on historical transformations and theoretical analyses. This course is designed to: 1) examine the constructed and contested nature of imaginations pertaining to the "popular" against the background of global and domestic changes; and 2) acquaint students with problems and theories of popular culture.

#### ASP2022 CHINESE CINEMAS: NATIONAL AND TRANSNATIONAL PERSPECTIVES

This course examines paradigmatic Chinese films from the Republican to contemporary periods.

#### ASP2023 UNDERSTANDING KOREAN ART AND AESTHETICS

This is a survey course designed to introduce students to the Korean art and aesthetics. Korean art history dates back more than five thousand years, from the Neolithic period to contemporary art. In order to cover this large chronological span, it is inevitable that the course examine selective, yet not exclusive, monuments as well as artifacts under specific topics.

#### ASP2024 MODERNITY AND CHINESE LITERATURE

This is a lower division course that examines a wide range of literary works that fall under the category of "modern Chinese literature." First and foremost, we will situate the political and cultural uses of the term "modernity" within the context of modern China, as "modernity" itself is already a contested and ever-evolving historical process globally. Aesthetically, we will perform close reading of many genres in the modern Chinese literary canon, alongside those texts that do not fit comfortably within the canon. They include literature written by



realist and May Fourth writers (Lu Xun, Shen Congwen), intellectual writings (Hu Shi, Liang Qichao, Chen Duxiu), Romantic writers (Xu Zhimo, Yu Dafu), feminist writing (Ding Ling), socialist literature, scar literature, post-Mao fiction (Yu Hua), Taiwan modernist fiction (Bai Xianrong), and Hong Kong and Taiwan literature (Wong Bik-wan, Qiu Miaojin). We will interpret these literary genres through critical engagements with secondary texts and theoretical writings by critics who are concerned with issues of modernity, feminism, nationalism, colonialism, gender and sexuality, and other aspects that constitute the historical processes and social identities of modern China.

#### ASP2025 POSTWAR JAPAN: POLITICS AND CULTURE

What kinds of political, social, and cultural shifts accompanied Japan's surrender on August 15, 1945, when the past presumably ended and the present began? What were the competing American and Japanese visions for postwar Japan, and how did they play out during the American occupation? Keeping in our field of vision the Cold War in East Asia that involved massive American intervention in two major wars (Korea and Vietnam), this course will explore key themes and issues in the political, social, and cultural reconstitution of Japan as a nation-state following its defeat in World War II, including issues relating to the emergence (and disappearance) of a progressive intellectual community, the formation of mass culture, consumerism, and (myths of) middle class life, and certain continuities in Japan's political economy from the 1930s and the war era.

#### ASP2026 ETHNICITY AND NATIONALISM IN SOUTH ASIA, 1830-1980

In this course, students will explore key concepts and readings concerning ethnicity and nationalism in South Asia. No background in South Asian history is necessary. The broadly chronological structure will begin around the time of Lord Macaulay's famous Minute on Education, which helped to define the relationship between Asian identity and Western civilization, through the colonial, nationalist and post-independence eras, up to the revival of Hindu nationalism in modern India.

#### ASP2028 TRANSNATIONAL FEMINISM IN ASIA

Feminism refers to the philosophy, ideology, and socio-political practices that women, men, and social subjects participate in, with the goal of redefining existing structures of hetero-patriarchal dominations and inequality. In this class, we will push some of the following questions to their theoretical limits: in what ways is biological notion of sex really distinct from a conventional notion of gender as a socially ascribed category? How does a poststructuralist account of sex and gender challenge the biological essentialism of sex itself? How are feminist struggles across East Asia, Southeast Asia, and South Asia parallel and comparable to each other in their shared political aspirations? How does war and militarism in fact mobilize and depend on sexual labour that demands a transnational analysis attentive to the hegemony of empire and colonialism? Finally, how might we locate and imagine transnational politics of feminism in this post-Cold War yet continual militarized present in Asia? The aim of this course is twofold: to introduce feminism as a powerful analytical lens to read history, literature, theory, and real lives rather than simply another marginalized sub-discipline of social theory; secondly, we will study Asian forms of feminism in its historicity, theory, and political aspirations.

#### ASP2033 NORTH KOREA: HISTORY, CULTURE, POLITICS

How does the DPRK become legible and visible to "us"? What seems like propaganda, what seems like the "real" North Korea, and why? With that, we examine North Korea's history: revolution in the 1945-1950 period, construction of state socialism after the Korean War, and debates about the North Korean system. We then examine overtly political questions like defector testimonies and human rights, regime type and famine in the late 1990s, and agreements that were reached between the DPRK, US, and South Korea. It is an understatement to say that disrespect is deeply entrenched on both sides of the DMZ. Respect is derived from the Latin *re-specere*, to look back at, to look again. In this course, we look, again, at the history, culture, and politics of the DPRK.

#### ASP2036: MEMORY AND MEMORIALIZATION IN ASIA AND BEYOND

This discussion-oriented course examines the changing relationship between history, memory, and the formation of national identities in post-WWII Asia. With the help of theories of memory and history, students will explore the ways in which Japanese, Chinese, South/North Koreans, Taiwanese, and Vietnamese have sought to remember and represent their war, colonialism, and other catastrophic events amidst recent changing domestic politics and international relations.

#### ASP2037 THE KOREAN WAVE

Hallyu, also known as the Korean Wave, refers to the sudden rise of Korea's cultural industries and the growth of Korean popular culture in the global market since the late 1990s. This course offers an intensive survey of performing Korean popular culture in the midst of Hallyu and the ways Korean national identity is imagined. Rather than offering a mere narrative of Hallyu, it focuses on particular performances, influences, and ruptures that have shaped the

phenomena. We will look at the use of a form of performance, such as K-pop, theatre, performing arts, cinema, TV drama, and reality shows as analyzing sources. Through the close reading of selected video clips, films, and performances, we will investigate the various forms of race, gender and sexuality, and Koreanness that are performed, represented, challenged and negotiated in Korean popular culture. We will read critical essays in fields of gender studies, queer studies, theatre studies, critical theory and cultural studies, and interpret the discursive constructions paying close attention to the specific historical contexts in which the performances were produced and circulated in relation with globalization.

#### ASP2038 TOPICS IN CHINESE HISTORY

For much of its history, China was at the center of the East Asian world order. Chinese empires commanded a great percentage of global trade, were at the forefront of technological development, and produced some of the most influential written works ever recorded. However, China has never been a monolithic state or culture. China has been and is composed of different ethnicities, cultures and philosophies that wove together over time to create the states of present-day China. This course will survey modern Chinese history from the rise of the Qing Dynasty in the early 17th century to the modern era in order to give context to the realities faced by the peoples residing in the People's Republic of China, Taiwan, and the Chinese diaspora today. The rise of China's economies is the most important story of our modern world, and only by understanding the past can we envisage and understand the present and future of the world's most populous nation.

#### ASP2039 WARS IN EAST ASIA 1839-PRESENT

In this course, we will examine the destructive and formative impact of wars that swept East Asia into capitalist modernity. We begin with the clash of empires in the mid-19th century, examining not just the opium trade that was so vital to the British Empire, but also the war over words, like honor and dignity, that seemed so important to their sovereign will. The revolutions, nationalist movements and nation-states established in the crucible of such wars proved willing and able to mobilize its populations, demanding affective investment in national sovereignty, pursuing economic development, and producing modern, gendered, national subjectivities. By way of critical scholarship, we will examine how narratives about these wars continue to shape political and ethical horizons in contemporary East Asia.

#### ASP3003 POWER AND MARGINALITY IN POST-SOCIALIST CHINA

This course is intended to understand the political changes and their social impact in contemporary China. From Deng's reform to today's Xi regime, the class will examine the differing positions of China's power shifts, particularly between neoliberalism and socialist conservatism. Students will be able to comprehend the underlying significance of the Chinese government's policies in terms of the CCP's historical orientations and political tension. In addition, a reflection on the margin of China's politics such as Hong Kong and Taiwan would illuminate the possibility of political transformation in the greater China.

#### ASP3004 TRANSNATIONAL EAST ASIAN CINEMAS

This course explores how film reflects and shapes society, influences our sense of the past, and provides a way to understand that past. The course is divided into two parts: in the first half, we will explore particular episodes, events, influences, and historical ruptures that have shaped the way Koreans have interpreted and understood their past through the medium of film. In the second half, we will examine various aspects of contemporary Korean society. We will address specific thematic issues such as compressed modernity, globalization, human rights, disability, youth culture, marriage, family, education, gender and sexuality, beauty culture, social movements, and the like. Another objective of this course is for students to learn how to watch, think about, and write about film. To that end we will read chapters from various film textbooks. I will be screening several feature films in class (please see below). The rest of the films will be available on youtube (Korean Film Archives) or at the Yonsei digital library. It is expected that you come to class prepared to discuss these films.

#### ASP3005 HISTORY OF KOREAN PAINTING

This course is designed to introduce Korean paintings from the Joseon Dynasty to the contemporary period. In order to cover this large chronological span, it is inevitable that the course examine selective, yet not exclusive monumental paintings as well as artifacts under specific topics. While each lecture will introduce the traditional scholarship of investigating Korean paintings from its stylistic development and contrasting them in relation to the Chinese influence, we will also question and discuss them within the socio-historical, cultural, economic and religious contexts of their production.

#### ASP3006 WOMEN IN KOREAN ART: GENDER, IDENTITY AND REPRESENTATION

This course examines Korean art history from the perspective of women. Basing our study on the proposition that

gender roles and identities are socially constructed, we will see how visual images have been used for propagating social values of female virtue during the Joseon Dynasty and during the colonial period Korea. We will also examine the role of women as artists, collectors and patrons of art.

#### ASP3007 CAPITALISM AND ITS CRITICS: KOREA 1920-PRESENT

We will look at wealth and income inequalities over time and across national boundaries, and we will listen to those who speak clearly and powerfully about the life and circumstances of the poor in the United States and South

#### ASP3008 SPACE AND MOBILITY IN EARLY MODERN JAPAN 1603-1868

This course explores Tokugawa Japan's space and mobility or phenomena broadly pertaining to performance, networking, and traveling in society and culture from the 17th century to the 1868 Meiji Restoration. Over the past twenty years, studies of the Tokugawa period in the English language have sought to complicate the previous assumptions of the period as either years of authoritarian oppression, or, alternatively, culturally vibrant times yet to be transformed by Western modernity. Inspired by these recent studies, this course pays specific attention to how dynamic circulations of people, ideas, and things shaped and reshaped spaces (both lived and imagined), while often transcending or negotiating with the existing boundaries of geography, status, and other categories. By treating the Tokugawa period as a case study, this course is designed to: 1) identify problems with historical narratives (such as a history of development toward modernization), and 2) analyze historical texts of a specific society and community from the perspectives of space and its associated mobilities. The class covers the following topics: the 47 Ronin Story; the world of kabuki; homoerotic expressions; travel narratives; cultural space of protests; negotiations with Western Imperialism; and mobility in gendered space. In order to most effectively illuminate these topics and associated problems, Tuesday lecture supplements the assigned readings, and provides necessary historical and historiographical information and relevant visual materials. The general goal of the course is to provide students with multiple perspectives that will enable them to problematize the constructed nature of any historical narratives, and to facilitate methods of critical and imaginative reinterpretations of any society in the past and present.

#### ASP3009 SOVEREIGNTY AND NATIONALISM IN KOREA

We will attempt to get some purchase on the history and practice of sovereignty, governmentality, and nationalism in Korea, starting from the start of the Chosun dynasty (1392-1910) to present day South Korea. The readings in the first half of the course will include theoretical works (e.g. Foucault's 1977-1978 lectures at College de France), and selections from T'aejo sillok (太宗實錄), Mongmin simsu (牧民心書), and 19th century court records. Readings for the second half of the course will focus on texts concerning sovereignty, governmentality, and nationalism in Korea from the late 19th century to the present. One aim of this course will be to see how (in what sense) sovereignty and both national sovereignty and individual sovereignty can (or cannot) constitute the basis for freedom in modern times. Another aim will be to reconsider the relationship between nationalism and governmentality. While the focus of this course is predominantly on Korea, our readings and discussion will be attentive to regional and world history. Students are expected to read closely and to write in an analytical mode.

#### ASP3011 CONTEMPORARY ISSUES IN CHINESE ECONOMY

This course examines contemporary issues in the Chinese economy, as conceived broadly across various sectors of production, distribution, and consumption. Students will explore various institutional, economic, and social factors that have impacted the Chinese economy in recent times, as well as possible future directions for economic change and transformation.

#### ASP3018 HISTORIOGRAPHY ON KOREA

We will read four books on social movements in South Korea. As historical study, our examination of different forms of social protest and activism begins with labor activism in the 1950s and ends with internet activism and street protest in the present. As study of historiography, our readings and discussion will pay attention to the ways in which these four books speak to affect, knowledge production, meaning making, and mobilization in specific situations of political economy. Knowledge of contemporary Korean history is helpful but not necessary. Conducted as a seminar, students will have to be actively engaged in classroom discussion.

#### ASP3024 ETHNICITY AND CULTURE IN ASIA

This is an anthropology course on East Asian cultures. We will explore various socio-cultural aspects of contemporary East Asian society such as social relations, pop culture, gender issues, identity politics, globalization, and transnationalism through anthropological perspectives. A comparative perspective will be employed to explore the commonalities as well as distinctiveness between different cultures and societies.

#### ASP3026 RELIGIOUS PRACTICE IN KOREAN HISTORY

The focus of our readings and discussion will be on religious practice, rather than doctrine. The readings are organized around three “spatial” conceptions: first, intimate publics (e.g. at a concert hall), then the politicized Square (광장), and finally, individual consciousness. We will examine, for example, the (largely) Protestant practice of vocal singing (songak). What is behind the assumption that a “clean” voice? singing in a European-style classical voice? uniquely embodies modernity, normative aspirations, and Christian faith? In terms of (mostly) non-Christian mortuary rituals at certain gravesites, when and how are some Leftist ancestors reclaimed as family? Turning to the explicitly political space of the Square, our readings include a first-person narrative of Rev. Cho Hwa-sun who organized women workers in the Inchon area, as well as essays on Protestant Christianity, anticommunism, and homophobia. Finally, as spiritual (mindful) practice, we will look at how Son [Zen] Buddhist monks practice meditation.

#### ASP3029 GENDER AND KOREAN SOCIETY

In this course we will look at how Korean society has been (re-)imagined and (re-)organized in gendered ways. Starting from the pre-modern period and moving to the present, we will examine the nexus between historic shifts in structures of power and the production of gender identities. Our field of vision will be both local and global as we reexamine certain established narratives about Korea and modernization. By way of films, short stories, as well as academic writing, we will examine the intersection of gender, sexuality, race, and class in situations of war mobilization, capitalist industrialization, and neoliberal restructuring of not just the economy, but also desire, affect, and personhood. We will end by reflecting on the possibilities for equality, justice, and connection.

#### ASP3030 FOOD AND CULTURE IN ASIA

This course is an anthropological exploration of food and culture in Asia. Students will explore various socio-cultural aspects, as well as the historical contexts, of contemporary cuisine and food consumption in Asia. Food in different cultures represents more than subsistence patterns. A variety of foods and cuisine are often used as markers for identity, religion, class, gender and regionalism. A distinctive comparative approach will be employed to explore the commonalities, as well as distinctiveness, between food cultures and Asian societies.

#### POL3153 UNDERSTANDING CHINESE POLITICS

This course covers the politics of the People's Republic of China, including background information on pre-1949 revolution process, the era of Mao (49-76) and the reform period since 1978. The lectures offer a historical and thematic survey of Chinese politics, with an emphasis on the patterns and dynamics of political development in twentieth century China.

#### CLC3708 MANGA: THE ILLUMINATED TEXT

This workshop course begins with the premise that the Manga is a form of illuminated text. From cave wall paintings, ancient Mayan and Egyptian hieroglyphics, and early religious texts to present day Manga (with forays into the Talmud, Blake, Beardsley and Apollinaire along the way) we will trace the development of literature with integral illustrative components while producing our own.

#### CLC4719 TRADITION AND POPULAR CULTURE IN ASIAN THEATER

In this seminar course we will read closely the film texts of Bruce Lee's entire cinematic oeuvre (five films, one posthumous) in order to look deeply into the culture, history and philosophy behind the martial art known as Kung Fu.

#### ASP4001 CONTEMPORARY SOUTHEAST ASIA

The goal of this course is to understand contemporary problems of Southeast Asia, especially political and social ones. Southeast Asia is a diverse region with dramatically different political regimes (from electoral democracies to an absolute monarchy), religions (Islam, Catholic, Buddhism, Hinduism, “Asian value”, etc.), and trajectories of colonial/post-colonial history. At the same time, the region is bound by common characteristics across and increasing interconnectedness. Students are expected to learn about basic facts about Southeast Asian societies and to discuss political and social problems of Southeast Asia from differing – national, regional, and sometimes trans-regional – perspectives. This course is divided into two parts. For the first half of the semester, we will take a country-based approach. Important institutions and social groups, state-society relations and political regime, economic development, and foreign relations of ten ASEAN member countries and newly independent Timor Leste will be examined. During the second half, contemporary challenges faced by Southeast Asians will be discussed in historical, comparative and regional terms.

#### ASP4002 VISUALITY AND EAST ASIA: VISUAL REGIMES AND DOCUMENTARIES

This course is designed to learn the capacity and the possibility of ethnography, as a media practice in a society. Recently, the interest in ethnographic practice and research has been growing rapidly in diverse areas, such as

contemporary art, anthropology, information science, and so forth, which led the ethnographic pursue to the center of the innovative collaborations. During a semester, through both theory and studio sections, we throw the further questions together to make ourselves involved dynamically in the flow ; Why ethnography? What is the unique tradition and possibility of Korean society? What is the proper direction next generation should take Main contents of the class will be about (1) the legacy of ‘media art’ in Korean society, its historical flow and uniqueness (2) common grounds 3) searching for the vision and relevant questions Class will be composed of three sections; lecture, discussion, and studio. Additionally, separate technique workshops will be run if necessary. Strong focus will be on the understanding the value of ‘publicness’ in contemporary researches and art practices, and of challenging and sharing eagerly together.

#### ASP4003 CRITICAL ISSUES IN SOUTHEAST ASIA

The class aims to provide the introduction of extremely various area, SouthEast Asia whoes people, cultures are very different from one another. Starting from brief history of SEA countries, the course will explore contemporary issues such as ethnic and religious conflicts, migration, poverty, development and environmental justice, and so on.

#### ASP4004 ART AND AESTHETICS IN ASIA

This class pursues a new concept of study to integrate the creative arts and academic research across the course. It will seek to develop cross-disciplinary studies and new research for artistic expression by creating individual or collective art projects.

#### ASP4005 ASIAN STUDIES RESEARCH SEMINAR

This research seminar is specifically designed for students who wish to work on their own research project on East Asia within a structured setting. To better identify and critically engage with problems pertinent to East Asia today, the first part of the course examines theories, methods, and case studies that have contributed to shape new debates and approaches in the humanities and social sciences. We will closely study and discuss the texts to identify the ways in which these scholars have challenged the previous scholarship, addressed questions, and demonstrated original ways to approach their objects of study.

#### ASP4007 THEORY AND PRACTICE IN CONTEMPORARY KOREA

Organized like an upper division seminar, this course examines questions of belonging and exclusion in contemporary South Korean society, politics, and culture.

## ● CULTURE AND DESIGN MANAGEMENT ●

### Goal

The Culture and Design Management (CDM) major aims to nurture and train globally talented individuals who can plan, produce and manage creative content and new businesses in the culture industry through convergence among culture, design, and technology. As the supply exceeds the demand and technical barriers get increasingly lower, companies and countries are investing aggressively in ensuring design capabilities for exposing their own cultural identities. In order to keep up with this today’s market trend, CDM major provides a variety of programs for students to prepare practical experiences as well as fundamental knowledge regarding culture industry. More specifically, students can cultivate the following skills through this program: (1) An ability to understand the unique cultural characteristics of a country and to plan into universal cultural experience/products. (2) Understanding of the design skills and technology that put creative ideas into reality, and (3) a managerial ability for strategic marketing, branding, promoting, and globally distributing cultural products and businesses.

### Curriculum

The curriculum of CDM major is divided into three sub-programs. The first is a program that cultivates Arts and Humanities ability related to creating and planning original cultural contents. It includes subjects such as Modern Design History, Korean & Asian Culture and Aesthetics, and Contemporary Topics in Culture & Design. Students in this program can build a solid basis for creative thinking and conceptualization. The second is Design and Technology for delivering concrete products or services. Included subjects are Design Studios, Service Design, and Computer Programming. Students will be equipped with design and technical skills to realize their imagination. The third program is Management for the ability to plan, implement, and evaluate cultural products and design businesses. Included subjects are Art Management, Strategic Marketing, Design Innovation and Brand Management. In addition to these three

programs, students can obtain practical knowledge to become professional leaders through Global Internship, Creative Practice & Entrepreneurship, Intellectual Property Law, and Leadership Seminars.

#### Career

Through the programs that CDM major provides, students can identify career paths that fit their aptitudes within the culture industry. Examples in product and service planning are event planning experts, corporate managers in major companies, and design merchandise planners. Students with interest in designing can be creative directors, fashion MDs, or digital content producers. Corporate brand manager, strategic global marketer, design business consultants, policy makers and art curators are the careers for students whose strength is in management. Related domestic firms in private sector includes CJ/SM Entertainment that produce and distribute cultural contents, fashion brands by Samsung and LG, and IT companies including Naver and NC soft.

#### Faculty

CDM major is composed of world-class level faculty members from various departments of Yonsei University. Participating parties include, but not limited to, College of Human Ecology, School of Business, College of Law, and College of Engineering. A noteworthy fact is that we are seeking synergies through close collaboration with other departments in Yonsei International Campus such as the School of Integrated Technology.

#### ○ Curriculum Chart ○

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MR	CDM1001	INTRODUCTION TO CULTURE AND DESIGN MANAGEMENT	3	3(0)
	MR	CDM1003	CREATIVE THINKING AND VISUALIZATION	3	2(2)
2	MR	CDM2001	CULTURE AND DESIGN TRENDS	3	3(0)
	ME	CDM2002	DESIGN 1: ELEMENTS AND ORGANIZATION	3	2(2)
	ME	CDM2003	THEORY AND PRACTICE OF CULTURAL STUDIES	3	3(0)
	ME	CDM2004	INTRODUCTION TO CULTURE AND DESIGN BUSINESS	3	3(0)
	ME	CDM2005	DESIGN 2: DESIGN AND TECHNOLOGY	3	2(2)
	ME	CDM2006	CONTEMPORARY TOPICS IN CULTURAL INDUSTRY	3	3(0)
	ME	CDM2007	HISTORY OF MODERN AND CONTEMPORARY DESIGN	3	3(0)
	ME	CDM2008	DESIGN RESEARCH	3	3(0)
	ME	CDM2009	ORGANIZATION AND PLANNING OF EXHIBITION	3	3(0)
	ME	CDM2010	DIGITAL DESIGN	3	2(2)
	ME	CDM2011	ART THEORY AND VISUAL CULTURE	3	2(2)
	ME	CDM2012	INTRODUCTION TO MARKETING	3	3(0)
	ME	IID2019	INTRODUCTION TO SOCIAL COMPUTINGSOCIAL COMPUTING	3	2(2)
	ME	DSN2104	DESIGN TREND	3	3(0)
3	ME	CDM3001	SERVICE DESIGN	3	3(0)
	ME	CDM3002	KOREAN CULTURE AND AESTHETICS	3	3(0)
	ME	CDM3003	DESIGN 3: DESIGN AND PROTOTYPING	3	2(2)
	ME	CDM3005	DESIGN PROJECT MANAGEMENT	3	3(0)
	ME	CDM3006	DESIGN INNOVATION	3	3(0)
	ME	CDM3007	DESIGN 4: NEW PRODUCT DEVELOPMENT PROCESS	3	2(2)
	ME	CDM3008	ART AND CULTURE MARKETING	3	3(0)
	ME	CDM3009	INTEGRATED BRAND MANAGEMENT AND VMD	3	3(0)
	ME	CDM3010	CULTURE AND SERVICE DESIGN	3	3(0)
	ME	CDM3012	DESIGN THINKING	3	3(0)
	ME	TAP3001	NEW PRODUCT AND SERVICE DEVELOPMENT	3	2(2)
	ME	DSN3122	INTERACTION DESIGN	3	2(2)
	ME	DSN3135	DESIGN FOR SUSTAINABILITY	3	3(0)
4	ME	CDM4003	STRATEGIC MARKETING	3	3(0)
	MR	CDM4004	ACADEMIC-INDUSTRY PROJECT	6	4(4)
	MR	TAP4001	TECHNO-ART CAPSTONE PROJECT	6	4(4)
	ME	CDM4006	ART MANAGEMENT	3	3(0)
	ME	CDM4008	SOCIAL INNOVATION FOR SUSTAINABILITY	3	3(0)
	ME	CDM4009	ART AND SOCIAL ENTERPRISE	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	CDM4010	DESIGN BUSINESS	3	3(0)
	ME	TAP4003	SOCIAL INNOVATION CAPSTONE PROJECT 2	3	3(0)
	ME	DSN4116	PRODUCT-SERVICE SYSTEM DESIGN	3	3(0)
	ME	CTM4005	CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION	3	3(0)

#### ○ Major/Minor Requirements ○

- Major: Students admitted in 2013 and thereafter must take 45 credits from Culture and Design Management major course listings including the following four required courses (15 credits total): Introduction to Culture and Design Management, Creative Thinking & Visualization, Culture and Design Trends, Techno-Art Capstone Project (6 credits).
  - Double Major: Students admitted in 2013 must complete the following four required courses (15 credits total): Introduction to Culture and Design Management, Creative Thinking & Visualization, Culture and Design Trends, Techno-Art Capstone Project (6 credits).
  - Minor: 18 credit-hours are required including the following two required courses (6 credits): Introduction to Culture and Design Management, and Culture and Design Trends.
- \* If a course is listed under multiple majors, the course will be counted towards fulfilling only one of the majors. Therefore, students should choose which major the course will be counted towards.

#### ○ Course Descriptions ○

##### CDM1001 INTRODUCTION TO CULTURE AND DESIGN MANAGEMENT

The goal of this course is to learn and practice design principles established in academics disciplines related to culture, design, and management. The course consists of a series of lectures and design workshops by participating CDM faculty members. Special guest lectures will also introduce current issues and state of the art technologies spread in modern cultural industry. Through this course, students will obtain fundamental knowledge and hands-on experience required by more advanced CDM courses.

##### CDM1003 CREATIVE THINKING & VISUALIZATION

The purpose of this course is to help the student develop techniques for idea generation and design concept evolution by maximizing his or her imagination and intuition. At the beginning of each class, in an effort to enhance the designer's basic representation techniques, we will cover foundational diverse visualization skills that enable a student to depict characteristics and properties of design concepts. During the latter session of each class, we will cover diverse design representation techniques in order to facilitate creativity for design practices.

##### CDM2001 CULTURE AND DESIGN TRENDS

This course introduces overview of consumption, culture and fashion trends from perspectives of consumers including fashion, luxury, lifestyle, social responsibility, consumer policy and privacy.

##### CDM2002 DESIGN 1: ELEMENTS AND ORGANIZATION

This studio-based class introduces theories and practices related to geometric form and order. Students will learn aesthetic meaning of various geometric forms and study the principles for combining them into an organization. These understandings are practiced by manipulating various design materials with unique natural properties. Through a series of design experiments, students will develop their own aesthetic sense as well as workmanship.

##### CDM2003 THEORY AND PRACTICE OF CULTURAL STUDIES

This course introduces global culture and design trends, social and cultural values in the global environment, and key elements of culture and design industry. Students will use various practices such as, but not limited to, literature, painting, photography, music or film for understandings of such industry. The class assesses the prospects of both nationalism and globalism in design and culture.

##### CDM2004 INTRODUCTION TO CULTURE AND DESIGN BUSINESS

This course covers the overview of culture and design business and helps students prepare for career opportunities in cultural and design business.

#### CDM2005 DESIGN 2: DESIGN AND TECHNOLOGY

The primary goal of this studio-based class is to understand existing technologies and investigate their potential as novel design media. Students will develop software and hardware skills by creating digital contents with (non)commercial digital authoring tools. The relevant topics include physical computing, computer graphics, computational design, parametric design, and media art. Through the collaboration with engineering departments, the state-of-the-art interfaces or the latest graphics algorithms may also be experimented from a designer's perspective.

#### CDM2006 CONTEMPORARY TOPICS IN CULTURAL INDUSTRY

This course covers the latest trends and issues of culture and design industry and includes analysis of business implications from the research project.

#### CDM2007 HISTORY OF MODERN DESIGN

This course takes the student on a journey to the modern design history from the 19th to 21st century. In this course, the student will explore the meaning of design and its relationship to social and cultural contextual changes. This objective will be accomplished through an intense historical overview of products from all design fields. The topics to be covered in class are Arts and Crafts Movement, the Pre-Raphaelite Brotherhood, Art Nouveau, De Stijl Movement, Bauhaus, and modern design of the United States and Scandinavian countries. Students will also understand post-modern design theories through discussing concepts such as kitsch, humor, and emotion.

#### CDM2008 DESIGN RESEARCH

This course covers design thinking, service design thinking, and different research methods on users. It is important for designers and marketers to understand the users when creating service design, cultural contents design, or any kind of design. Students will learn how to understand users and conduct user research studies. Based on the analysis of the users, students will work on their own project as a team.

#### CDM2009 ORGANIZATION AND PLANNING OF EXHIBITION

An exhibition is a designed experience. It provides communication of ideas, information, feelings and values. The class will offer students the exhibition development guidelines and exercises to help them transition their concepts to realities. Through every aspect of exhibit making, from concept to completion, students will understand how to give shape to their idea and plan.

#### CDM2010 DIGITAL DESIGN

The objective of this course is to learn the basic 2-D and 3-D digital design skills widely used in the design process through design planning, idea sketches, design drafts, prototyping, and implementation.

#### CDM2011 ART THEORY AND VISUAL CULTURE

Students will gain knowledge of visual art history from modern to post-modern period which will facilitate one's understanding of current cultural phenomena.

#### CDM2012 INTRODUCTION TO MARKETING

This course is to attempt understanding marketing in lieu with strategic management approach that will offer a vast new potential to marketing. The majority of the course material will be drawn from the business discipline, unfolding the discussions in the context of business environment. In addition to this, the course will also seek to apply the key approaches and frameworks of corporate marketing to nonprofit contexts to examine how marketing as a business discipline creates cross-sectorial impact.

#### IID2019 INTRODUCTION TO SOCIAL COMPUTING

This course aims to develop a broad understanding of the characteristics of social software and computational systems, including opportunities and challenges surrounding trending services and technologies. We will focus on the study of how social software is being used and what makes these systems more useable, enjoyable, and beloved by audiences worldwide. Students are asked to review papers and work in various social computing research domains, including analyzing social media data, crowdsourcing and human computation researches, and interacting with artificial intelligent agents.

#### DSN2104 DESIGN TREND

This course aims to understand the correlation between megatrends, consumer trends, and design trends. Students will understand the flow of culture and contemporary design and learn the trend planning process.

#### CDM3001 SERVICE DESIGN

In this course, students will learn fundamental theories, methods, and business cases that are relevant to service



design. Given the main concept of the design, a team of students with different backgrounds collaborate from the problem definition to the evaluation of the solution. Throughout the design process, various service design techniques such as journey map or blue print are introduced and exercised.

#### CDM3002 KOREAN CULTURE AND AESTHETICS

The global success of so-called Korean Wave showed us the importance of cultural value as a national identity as well as a business opportunity. In this course, students will understand what constitutes identity of a nation and how its aesthetic value can be utilized to enhance cultural awareness. The topics to be covered include the definition and the scope of aesthetics, history of Western and Eastern aesthetics, and the aesthetic characteristics found in Korean traditional arts.

#### CDM3003 DESIGN 3: DESIGN AND PROTOTYPING

As the psychological and physical distances between countries get smaller and smaller, the similarity and difference between different cultures are becoming a major concern when designing products and services. In this class, students will work on design problems within unfamiliar context at different countries. The primary purpose of this class is to allow students to develop a fresh view of a design problem via ethnographic research and develop design solutions that are realistic and affordable in the given conditions.

#### CDM3005 DESIGN PROJECT MANAGEMENT

The purpose of this course is to grow design leadership required as a project manager. Students will learn various design process techniques for managing time/human/financial resources and be able to apply them in real life situations. A deeper focus will be put on a set of managerial skills unique to design industry.

#### CDM3006 DESIGN INNOVATION

This course explores classic texts on innovation and entrepreneurship with a special attention on design and/or technology driven cases. By critically analyzing successful and unsuccessful examples, students will understand the growing importance of design as a business strategy. The course also teaches what design thinking is and how it may be applied within the product development cycle. As a final project, a team of students should come up with a new model that will innovate traditional business practices.

#### CDM3007 DESIGN 4: NEW PRODUCT DEVELOPMENT PROCESS

This course studies theories, methods, and examples of Design Thinking that can design new business (Product and Service) from in-depth human needs and insights. Students will design new product or services to provide new experiences to customers based on Design Thinking step by step.

#### CDM3008 ART AND CULTURE MARKETING

This course examines the following. The art versus commerce debate, the importance of arts consumption and its social dimensions, the importance of experience factors and how to research it, business models for arts marketing, and the role of the corporate environment, especially in corporate social responsibility, marketing and creativity in management which includes increasing cross-sector collaborations between the business and the arts and culture. The course objectives are to provide an overview of the history and current practices of the partnership between the corporations and the arts in the global market and to explore the rationale why corporations seek to engage with the realms of arts and culture and how it brings value to customers.

#### CDM3009 INTEGRATED BRAND MANAGEMENT AND VMD

All students will explore research and analysis of brand cases in a global and a local context and apply the theory to solve actual marketing problems in innovative ways. The goal of this course is to provide best practices for students to understand the core concept of strategic brand management, to develop their individual VMD project and to propose the integrated VMD strategy to connect online to offline commerce.

#### CDM3010 CULTURE AND SERVICE DESIGN

How to design services for better understanding in culture and cultural experiences. The course combines the knowledge of service design thinking and methodologies and follows Multi-disciplinary team project

#### CDM3012 DESIGN THINKING

This course was organized to integrate creative ideas from the two domains to innovate local community services and products in Songdo International Campus area. During the course, students will undertake user research to understand the community environment, Design Thinking development process, and the interactions between the community people and students.

#### TAP3001 NEW PRODUCT AND SERVICE DEVELOPMENT

Students develop a new service for the senior following the latest design process used by global design consulting

firms.

#### DSN3122 INTERACTION DESIGN

This course introduces game and interactive application programming using Python.

#### DSN3135 DESIGN FOR SUSTAINABILITY

This course targets students who are sensitive to the social and/or

environmental issues and willing to make changes through design. People with diverse backgrounds including design, engineering, social science, or management are welcomed. Students are required to watch serious but also entertaining films on sustainability, actively engage in debates and discussions, and write their opinions in a written format. As the final outcomes will be artefacts of various forms (e.g. product, service, graphics, fashion, etc.), students need to have the ability or willingness to visualize and prototype their ideas.

#### CDM4003 STRATEGIC MARKETING

Students will learn basic marketing principles, concepts, cases and practices utilized in the culture and design industry. Strategic marketing focuses on business environment analysis, STP strategy, marketing mix including product, pricing, distribution, and promotion policy.

#### CDM4004 ACADEMIC-INDUSTRY PROJECT

This is a design studio course carried out in partnership with external organization. Students will identify problems and issues related to the real-life situations in daily-life-services and focus on developing strategies and services that affect the well-being and quality of life.

#### TAP4001 TECHNO-ART CAPSTONE PROJECT

Students will form multidisciplinary teams and work with a partner creative organization to design new services addressing the needs of an underserved population of users. Teams will identify unmet customer needs and develop and prototype new service designs (e.g. web services, services with a product component, educational campaigns). They will then test services that they have proposed with real customers and so develop an implementation plan.

#### CDM4006 ART MANAGEMENT

This course introduces art management theory and case studies.

#### CDM4008 SOCIAL INNOVATION FOR SUSTAINABILITY

This course was organized to integrate creative ideas in regards of sustainability aspect to innovate local community services and products in Songdo International Campus area. During the course, students will undertake research about green community environment, sustainable design on everyday lives and the interactions between the community people and students. Based on the understanding of the existing system, they will define sustainable design and generate ideas, and develop concepts of innovative products and services, environment, and sustainability.

#### CDM4009 ART AND SOCIAL ENTERPRISE

The course aims to increase awareness of various theories, genres, and practices of art as social enterprise; how art can take part in society as an important transformative actant by implying messages, refuting arguments and providing solutions to social and environmental problems. Students will have a chance to do research and reviews on given topics and present case studies for mid-term assignments. In addition to class material, students will be required to participate in extra-curriculum activities that are relevant to course works.

#### CDM4010 DESIGN BUSINESS

In order to become a design leader, it is vital to consider holistically business elements from the beginning. Students will learn, experience, and create a business model canvas from the Design perspective. The course focuses on business environment analysis, brand strategy, trend research, marketing mix, and meeting real customers and users.

#### TAP4003 SOCIAL INNOVATION CAPSTONE PROJECT 2

This course aims to provide the undergraduate students at ISSD and TAD, with an opportunity to understand how they can leverage business to foster social values in our community. In addition, students will develop their own projects and have a chance to deliver ideas on their social business to diverse audience.

#### CTM4005 CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION

This course aims to provide students with an understanding and an application of the design thinking process in solving social problems. Students from different majors will build interdisciplinary teams to design and develop a prototype for a creative technology solution. Students will have a chance to observe social problems and empathize with the ones in the problems. Students will also have the opportunity to think systematically and creatively about social problems and creative solutions.

## DSN4116 PRODUCT-SERVICE SYSTEM DESIGN

This is an introductory class to sustainable product-service system (PSS) design. It aims at exploring what PSS is and how to design a PSS. The class is thus composed of two parts: 1) Understanding PSS, and 2) Designing PSS.

## ● INFORMATION AND INTERACTION DESIGN ●

### Goal

The Information and Interaction Design (IID) Major aims to prepare students to realize their potential as designers, researchers, and agents of social change who can respond to the challenges that are constantly emerging in our daily lives. As the new technologies are revolutionizing our communication process and information landscape, designers of today are expected to tackle more complex problems in the conception, planning, and production of effective information systems. We believe that designers of the future are not mere form-givers to 2D screen or 3D objects; they are creative thinkers who are able to discover new possibilities, actively explore the new ways of interaction, and meticulously shape the form and the behavior of products, services, environments, and systems that embrace real-world challenges. Based on the principle of human-centered design, the IID Major enables students to become mediators and facilitators in diverse contexts, leveraging their roles through the synthesis of creative design approaches, relevant technology, and a rigorous and systematic thinking through research.

### Curriculum

The curriculum of IID Major is built on three focuses: Information, interaction and technology. Diverse courses are offered to develop students' interests and strength based on their learning on the fundamentals of creative ideation, design thinking process and user experience research methods. In each course, students work to gain an analytic and empathic understanding of human, interaction, environment and system in order to better envision the future of interaction and user experience through the process of inquiry into diverse problems. In addition, students have opportunities to practice communicating their ideas through critiques, talks, presentations, and demonstrations so that they become effective communicators in various contexts. Students' four-year long study culminates in Senior Project and Techno-Art Capstone Project that demonstrates a mastery of knowledge, process, and skills in information and interaction design.

### Career

IID graduates can pursue their careers by taking diverse paths depending on the interest of individual. Recent graduates are working at big corporations in Korea and USA as designers, UX researchers, or creative directors; some have made their own design agencies or startups. Students can continue their study at graduate schools abroad.

### Faculty

The IID faculty is comprised of professors and practitioners who have teaching, research and industry experiences in universities and companies that are internationally renowned. They come from the diverse disciplines from graphic design, branding to user experience design, human-computer interaction. Recently, new faculty members with expertise in VR, AR, social IoT and AI have joined the IID major to help students to explore new opportunities.

## ○ Curriculum Chart ○

Classification Abbreviation: MR-Major Requisite, ME-Major Elective

YR	CLS	COURS CODE	COURSE TITLE	CD	LEC (LAB)
1	MR	IID1001	INTRODUCTION TO INFORMATION AND INTERACTION DESIGN	3	2(2)
	ME	IID1002	BASIC DRAWING	3	2(2)
	ME	IID1006	COLOR DESIGN	3	3(0)
	ME	IID1008	INTRODUCTION TO DIGITAL TOOLS	3	2(2)
	ME	CTM1002	IT FOUNDATION	3	3(0)
	ME	CTM1004	PROGRAMMING FOR EVERYBODY	3	3(0)
2	MR	IID2001	COMMUNICATING WITH TYPE	3	2(2)

YR	CLS	COURS CODE	COURSE TITLE	CD	LEC (LAB)
	ME	IID2002	PHOTOGRAPHY WORKSHOP	3	2(2)
	ME	IID2003	INFORMATION AND PERCEPTION	3	2(2)
	ME	IID2005	TIME, MOTION AND COMMUNICATION	3	2(2)
	ME	IID2010	DESIGN HISTORY	3	3(0)
	ME	IID2011	INDUSTRIAL DESIGN BASICS	3	2(2)
	ME	IID2012	INFORMATION ARCHITECTURE	3	4(0)
	ME	IID2013	THEORIES AND PRACTICES OF PUBLIC ART	3	3(0)
	ME	IID2015	PRESENTATION SKILLS	3	3(0)
	ME	IID2017	DATA VISUALIZATION	3	3(0)
	ME	IID2018	UNDERGRADUATE TUTORIAL SEMINAR((INTRODUCTION TO HCI)	1	1(0)
	ME	IID2019	INTRODUCTION TO SOCIAL COMPUTING	3	2(2)
	ME	PSY2111	VISION MIND AND BRAIN	3	3(0)
3	ME	CDM2001	CULTURE AND DESIGN TRENDS	3	3(0)
	MR	IID3004	INTERACTION DESIGN	3	2(2)
	MR	IID3008	VISUAL SYSTEM	3	2(2)
	ME	IID3002	EDITORIAL DESIGN	3	3(0)
	ME	IID3003	APPLICATIONS OF TECHNOLOGY	3	2(2)
	ME	IID3005	USER EXPERIENCE PROTOTYPING	3	2(2)
	ME	IID3007	TYPE IN MOTION	3	2(2)
	ME	IID3012	HCI SEMINAR	2	2(0)
	ME	IID3013	USER EXPERIENCE RESEARCH METHODS	3	3(0)
	ME	IID3014	CONTEXT MAPPING: INTERACTION MODEL FOR GAME DESIGN	3	4(0)
	ME	IID3015	TECH HUBS: ARVR TECHNIQUES	3	2(2)
	ME	IID3017	MACHINE LEARNING	3	3(0)
	ME	IID3018	SOCIAL DIGITAL INNOVATION PROJECTS	3	2(2)
	ME	IID3019	DEEP LEARNING	3	3(0)
	ME	IID3021	TOUCHDESIGNER PROJECT PROTOTYPING AND DEVELOPMENT	3	2(2)
	ME	IID3022	GENERATIVE SYSTEMS IN DESIGN AND MEDIA ART	3	2(2)
	ME	CDM3009	INTEGRATED BRAND MANAGEMENT AND VMD	3	3(0)
	ME	CTM3001	BUSINESS MODELS IN CREATIVE TECHNOLOGY INDUSTRY	3	3(0)
	ME	CTM3015	TECHNOVATION: INTRODUCTION TO TECHNOLOGY MANAGEMENT	3	3(0)
4	MR	IID4002	SENIOR PROJECT	3	2(2)
	MR	TAP4001	TECHNO-ART CAPSTONE PROJECT	6	2(2)
	ME	TAP4003	SOCIAL INNOVATION CAPSTONE PROJECT 2	3	3(0)
	ME	CDM4010	DESIGN BUSINESS	3	3(0)
	ME	CTM4005	CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION	3	3(0)

○ Major/Minor Requirements ○

- Major: Students admitted in 2016 and thereafter must take 45 credits from Information and Interaction Design major course listings including the following six required courses (21 credits): Introduction to Information and Interaction Design, Communicating with Type, Interaction Design, Visual System, Senior Project, Techno-Art Capstone Project (6 credits).
  - Double Major: 36 credit-hours are required. Double majors must complete the following five required courses (18 credits): Communicating with Type, Interaction Design, Visual System, Senior Project, Techno-Art Capstone Project (6 credits).
  - Minor: 18 credit-hours are required including the following three required courses (9 credits): Communicating with Type, Interaction Design, Visual System
- \* If a course is listed under multiple majors, the course will be counted towards fulfilling only one of the majors. Therefore, students should choose which major the course will be counted towards.

#### IID1001 INTRODUCTION TO INFORMATION & INTERACTION DESIGN

This course introduces the fundamental concepts of information design and interaction design in relation to diverse means of human communication. Students will learn theoretical ground of human communication through diverse exercises and projects.

#### IID1002 BASIC DRAWING

This course deals with drawing techniques with a focus on developing skills in observation, visual sensitivity, and concrete expression. Students will learn the basic elements of drawing, including lines, planes, forms, light, and perspective.

#### IID1006 COLOR DESIGN

Color Design introduces important concepts in color which they will apply to assignments and projects in basic and advanced information interaction design courses. The psychological and visual aspects of color will be used in almost all approaches to design. The student will demonstrate skills in designing with color, while developing sensitivity through hue, value, intensity, proportion and placement in a composition. Upon gaining a visual awareness and critical observation of color, the student will be better equipped to problem-solve in information design.

#### IID1008 INTRODUCTION TO DIGITAL TOOLS

Intro to digital tools is a buffet. We will cover a wide range of tools that are essential to a successful career in IID. This class is intended for first year students. Each subject will have an introductory lesson and lab. Students will walk away with a basic understanding of We will cover the tools that do not have a basics class. This class will focus on the core skills every student will need to move fluidly through their UIC career. This class is very much like a buffet. It is in this that the class will take two weeks and focus on a particular skill that is useful, and will give the student a head start should they take a dedicated class in any one of the subjects covered. At the end of this semester, each student will have the ability to not only begin working with these tools and learn more, but be able to ask the right questions in the future so that they may increase their own skills. At the end of this semester each student will be well prepared to approach any new subject with an attitude of confidence.

#### CTM1002 IT FOUNDATION

The aim of this course is to provide students with an understanding of the elements of information technology including but not limited to computer hardware and software, data structures (stack, queue, trees), algorithms (sorting, searching, graph, operations research), database and SQL, computer networks, computer programming, computer graphics, human-computer interaction, artificial intelligence, and performance measurement. Based on the knowledge of these elements, at last, students will have a chance to study computer-supported cooperative work. Lectures and exercises, homework assignments, midterm and final exams of multiple choice problems, writing an essay, and helpful resources will be provided in order to achieve the goal of this course. This course can be positioned in the intersection of computer science, industrial engineering, and business. *“My fear towards computers vanished. Now I want to learn about it.”* will be a review that a successful student will leave at the end of this course.

#### CTM1004 PROGRAMMING FOR EVERYBODY

The aim of this course is to provide students with an understanding of computer programming in perspective of learning a new language to foster code literacy. Python is the computer programming language that students will learn in this course. Students will learn how computers work and how computer programs work, and how to translate instructions in human language into machine instructions in Python computer programming language. A simple text-based game will help students learn control statements, a simple web scraping and monitoring system will help students learn internet and robotic process automation, a simple point-of-sales system will help students learn functions, modules, and data handling with a file system and a database, and a simple GUI survey system will help students learn human-computer interaction. Object-oriented programming, data structures and algorithms, regular expressions will help students build a robust computer program. Additionally, a web app using flask or django web development framework will help students build a working IT service. Lectures and lab exercises, homework assignments, midterm and final exams of coding interview problems will help students to achieve this course's aim.

#### IID2001 COMMUNICATING WITH TYPE

This course looks into the basic characteristic and qualities of typography. Students will learn about the terminology of typography and understand how the Swiss International style has developed and influenced modern information design. Typography is the basis of all communication design and the path to understanding media design.

Typography has provided a theoretical basis and creative inspiration in all aspects of digital media.

#### IID2002 PHOTOGRAPHY WORKSHOP

In this course, students will learn basic skills of photography and explore creative ways of storytelling through photography. Through shooting assignments, student will understand how to deconstruct image meaning and aesthetical choices, construction of photographic meaning and aesthetics, and acquire an understanding of color and how color delivers meaning.

#### IID2003 INFORMATION AND PERCEPTION

In the recent decades, enormous amounts of information have affected peoples' lives on a daily basis. However, little is done to aid people's understanding of information that is increasing in complexity. In this course, students will learn how people's perception of content occurs through understanding of the psychological process. This course takes the form of analyses of existing artifacts; class discussions and exercises; short, relevant readings that originate in various disciplines such as cognitive science, architecture, learning science, and design; and corresponding projects that enable students to illustrate what they are learning.

#### IID2005 TIME, MOTION, AND COMMUNICATION

This course focuses on designing and presenting time-based messages on screen. The differences between paper-based and screen-based communication are discussed and become departure points for projects. Working with word, image, sound, and motion, students develop responses to a variety of project briefs.

#### IID2010 DESIGN HISTORY

The purpose of this course is to provide a general approach to the history of design from the mid 19th century to the present by illustrating its movements in relation to the media development, socio-cultural changes, schools, and institutions, together with the designers who have set up the evolution and the trends in contemporary design.

#### IID2011 INDUSTRIAL DESIGN BASICS

The goal of this course is learning the basic process of product design such as background research, idea sketch, CAD modeling (Rhino 3D) and prototype making. Each student will design and build a tool product prototype as a final result of this course. In addition to the basic product design process training, this course will also be a chance to think about the utilitarian, aesthetic and semantic aspects of product design.

#### IID2012 INFORMATION AND ARCHITECTURE

Information Architecture is an emerging field of digital media design that requires a special capability of combining business interests, and

significant opportunities of innovative technologies. Since the new platforms of IoT have been developed under the convergence strategy

restructuring data, and devices in a cosmic range, the scope of the Information Architecture field is rapidly changing and becoming

largely complex. It is modifying its "design space" to cope with the new horizon. The course will cover from the traditional Information Architecture methodologies that have been tightly coupled to Web UIs, to the strategic experience building process routing to novel Digital

Product Developments (Digital NPD) in ubiquitous computing.

#### IID2013 THEORIES AND PRACTICES OF PUBLIC ART

Contemporary arts are installed and practised outside indoor spaces normally called galleries and museums and enter into environments and everyday life of ordinary citizens. We encounter art works or artistic activities on the streets and in non-artistic spaces. What are the social and cultural forces that put art in these new contexts? What does the new phenomenon called "public art" signify to the development of contemporary arts and society. What are the limits and possibilities of public arts. We explore these questions through a wide range of theoretical arguments, history, and contemporary practices of public arts.

#### IID2015 PRESENTATION SKILLS

How do you present your work in an exciting and entertaining way but still on a professional international level? This class is dedicated to all students who want to give a great presentation in their university courses, present design work and reports to professional audiences or give public talks to big audiences. This class is not for students who want to remain calm and shy. It is meant for personal growth by crossing personal boundaries. Students will engage in many activities drawn from vocal training and acting schools.

#### IID2017 DATA VISUALIZATION

Data visualization is a lot of fun. This course takes you from the basics to an expert data visualizer who can cater to

top decision makers like CEOs, business analysts, strategy consultants. Among others, you will learn key concepts of data visualization (data types, data structures, data encoding), R as a powerful tool for data analysis, data manipulation, and data visualization, other visualization tools like Tableau, Raw, Visual.ly and Plotly, to compare with R, visualization of basic data structures (e.g. histograms, boxplots, scatterplots), visualization of multivariate data structures (e.g. interactive charts, cartography), pattern discovery (e.g. 3D plots, heatmaps, cluster plots)

#### IID2018 UNDERGRADUATE TUTORIAL SEMINAR((INTRODUCTION TO HCI)

In this class, you will learn the basic principles for HCI (Human-Computer Interaction), the academic research progress in the HCI field, research papers, and how to write research proposals. In addition, you can study how to apply HCI to provide useful, convenient, and rich sensibility to users in research and development of artificial intelligence services that are gaining much attention in the industry these days.

#### IID2019 INTRODUCTION TO SOCIAL COMPUTING

This course aims to develop a broad understanding of the characteristics of social software and computational systems, including opportunities and challenges surrounding trending services and technologies. We will focus on the study of how social software is being used and what makes these systems more useable, enjoyable, and beloved by audiences worldwide. Students are asked to review papers and work in various social computing research domains, including analyzing social media data, crowdsourcing and human computation researches, and interacting with artificial intelligent agents.

#### PSY2111 VISION MIND AND BRAIN

Everyday we open our eyes and use vision to guide our eyes, action and understanding about the world. Vision is critical for human survival and daily interactions with the world. This course is a survey course to introduce students to important questions of vision and how current research uses visual system as a model to gain insight into the human mind and the brain. The goal is to introduce students with interesting questions about the vision, human mind and the brain.

#### CDM2001 CULTURE AND DESIGN TRENDS

This course introduces overview of consumption, culture and fashion trends from perspectives of consumers including fashion, luxury, lifestyle, social responsibility, consumer policy and privacy.

#### IID3002 EDITORIAL DESIGN

To expand the understanding of the editorial design with usage of the images and informational graphics. The course will be focused on cohesive & continuous' design layout through collaboration of text and images(photo & graphics).

#### IID3003 APPLICATIONS OF TECHNOLOGY

Physical Computing is an approach to learning how humans communicate through computers that starts by considering how humans express themselves physically. In this course, students will spend a lot of time building circuits, soldering, writing programs, building structures to hold sensors and controls, and figuring out how best to make all of these things relate to a person's physical expression.

#### IID3004 INTERACTION DESIGN

This course highlights the role that visual interface designers play in the multi-disciplinary attempt to bridge the gap between the functionality of interfaces/products and the experience of users. Through diverse exercises and projects, students will be dealing with some of the unique challenges of interaction design from the realm of physical objects to that of a digital, interactive medium.

#### IID3005 USER EXPERIENCE PROTOTYPING

Sketching and prototyping are the basic methods of design for many different purposes. For digital media, the methods are evolving to embrace effective idea generations, communications, iterations, and team creativity. The class will overview the gradual steps of UX prototyping from observations to embodiments. By the recent technological advancements in ubiquitous computing, user experiences on digital media have rapidly changed the "life space" of individuals that is multifaceted into complex layers of virtuality. The multi-layered user experiences will leverage the peaked emerging technologies, such as VR, AR, wearable computing, and AI. How could it be imagined, envisioned, and embodied in the sense of engaging life experience? Design fiction traditions, film languages, and storytelling will guide us to the critical paradigm, design for the future.

#### IID3007 TYPE IN MOTION

The goal of this class is to prepare students to become designers in the areas of motion graphics, interactive multimedia, and communication design. It provides a mixture of balanced collaborative work and individual exploration. Some projects of exploration include new narrative structures in new media, visual voice, and identity in

digital formats; this visualizes complex information spaces, and strategic planning for communication systems. We are going to closely examine various motion graphic works with typography such as movie opening title, game design, animation, network ID, and etc. In order to create projects that are mentioned above, it needs planning, making, editing, and showing.

#### IID3008 VISUAL SYSTEM

In this course, students will explore the economic, structural and mathematical aspects of design concept. It is essential for today's designers to understand system logic and learn to develop practical methodologies. Students will learn not only current problem solving methods, but also consider future elements when planning and executing projects. This subject will explore system logic in the 2D, 3D, and interactive environment and will also look into dimensional transformation. This is an important subject examining the connections between visual system interface design and logical and practical design application.

#### IID3012 HCI SEMINAR

This course provides in-depth discussion about academic research papers in the area of Human-Computer Interaction and User Experience. As the course title implies, it is heavily focused on reading and discussion of academic papers. Students will read 2-3 academic papers per week and have in-depth discussion during the class.

#### IID3013 USER EXPERIENCE RESEARCH METHODS

Any product--whether a website, a technological system, or an electronically mediated service--benefits from evaluation before, during, and after the development cycle. Too often, the people who use a product cannot find what they want or accomplish what they need to do. Products are more successful when they are developed through a process that identifies how the products will be used, elicits input from potential users, and watches how the product function in real time with real users. This course provides a hands-on introduction to methods used throughout the entire evaluation process--from identifying the goals of the product, picturing who will use it, engaging users through a variety of formative evaluation techniques, and confirming a product's function through usability testing and summative evaluation. Specific methods include personas and scenarios, competitive analysis, observation, surveys, interviews, data analysis, heuristic evaluation, usability testing, and diary studies. Students will work on group projects that apply these techniques to real products in use or development.

#### IID3014 CONTEXT MAPPING: INTERACTION MODEL FOR GAME DESIGN

Context mapping is a qualitative design research approach that invites contextually aggregated data, owners of the data, and actors to innovative design spaces. It has originally evolved for designing and developing innovative products and services in a co-creative design process, while it critically focuses on user experiences embedded in the everyday life. The approach is seamlessly linked to the idea of the living lab, the emerging new research technique for designing IoT. By the generative techniques of context mapping, we could facilitate a living lab setting more relevant and organic.

#### IID3015 TECH HUBS: AR VR TECHNIQUES

ARVR Techniques is designed to give students the opportunity to work with developing technologies as tools for future products and services. The class will feature the Unity3D platform for development and implementation. This class covers the creation and use of Augmented Reality and Virtual Reality projects. All the necessary steps for creation are covered as well as the techniques used in extending and the building on the capabilities of these technologies.

#### IID3017 MACHINE LEARNING

This course provides an introduction to machine learning from a theoretical and practical perspective. It is designed for students with no background in computer science and statistics who want to get an overview of machine learning and learn practical skills to apply on real data. At the end, students will have acquired a set of practical skills of AI. This knowledge should enable them to conduct further courses or dedicated self-study on an advanced level.

#### IID3018 SOCIAL DIGITAL INNOVATION PROJECTS

Students will examine our current world as well as look into the future for inspiration. The students will participate in group exercises for ideation; receive feedback from individuals outside the academic sphere; explore technologies that will help them reach their goal; and use these experiences to produce a real world solution.

#### IID3019 DEEP LEARNING

This course introduces deep learning from a theoretical and practical perspective. Course objectives are as follows. Understand classical neural network architectures. Learn building blocks of deep learning architectures. Learn how to tune a deep learning models. Understand the architecture of Convolutional Neural Networks (CNNs). Get an overview of Recurrent Neural Networks (RNNs) and Generative Adversarial Networks (GANs). Acquire practical programming



skills to conduct deep learning projects

#### IID3021 TOUCHDESIGNER PROJECT PROTOTYPING AND DEVELOPMENT

TouchDesigner is the current goto application for creating content. It employs a node based system for creating visuals, as well as manipulating 2D, and 3D content. It can process real time or recorded video and audio. Other abilities include taking input and sending output from/to an arduino and importing data for visualization.

#### IID3022 GENERATIVE SYSTEMS IN DESIGN AND MEDIA ART

This class empowers us to use generative systems as a tool for better design and stronger media art. We are surrounded with traditional generative design and its methods; we are also in a world where generative design is currently employed to produce content that is better for having used a generative process. Generative methods of been employed since ancient Greece and permeate all facets of our culture. Today, a generative system has greater meaning. In this class we will take a look at the traditional generative methods, as well as modern methods of generative design being employed currently in all fields. At the end of the semester, will be able to employ these generative methods in their own work. The class will introduce the necessary tools, and methods of operation. This is a non-programming class and available to all students regardless of their technical know-how.

#### CDM3009 INTEGRATED BRAND MANAGEMENT AND VMD

All students will explore research and analysis of brand cases in a global and a local context and apply the theory to solve actual marketing problems in innovative ways. The goal of this course is to provide best practices for students to understand the core concept of strategic brand management, to develop their individual VMD project and to propose the integrated VMD strategy to connect online to offline commerce.

#### CTM3001 BUSINESS MODELS IN CREATIVE TECHNOLOGY INDUSTRY

The course studies the basics of model development by focusing attention on the first instance of the components of a business model. Students will learn about the whole process of analyzing models and developing them through a well-conceived, well-grounded framework

#### CTM3015 TECHNOVATION: INTRODUCTION TO TECHNOLOGY MANAGEMENT

This course will help students understand how creative technologies are brought to a real market. It focuses on core topics in innovation supposing a business environment. The course will further introduce how different technological firms innovate on the adoption of advanced and emerging technologies.

#### IID4002 SENIOR PROJECT

This course is a part of the IID final presentation to progress individual projects. Students will be able to show the culmination of their four years of design education by presenting a creative solution that takes into account the varied experience and technical skills they have acquired in their field of interest. Covering planning, research, execution, application and presentation, this subject will give students the opportunity to gain an understanding of the entirety of the design process. This subject is connected to Senior Project and offers the opportunity for it to be further developed in the educational-industrial complex.

#### TAP4001 TECHNO-ART CAPSTONE PROJECT

These courses are parts of the IID final presentation to progress team projects. Through a team project working closely with an external organization, students will investigate problems in real-life contexts, dealing with economic and social constraints.

#### TAP4003 SOCIAL INNOVATION CAPSTONE PROJECT 2

This course aims to provide the undergraduate students at ISSD and TAD, with an opportunity to understand how they can leverage business to foster social values in our community. In addition, students will develop their own projects (or taking from DFK Tanzania Project) and have a chance to deliver ideas on their social business to diverse audience.

#### CDM4010 DESIGN BUSINESS

In order to become a design leader, it is vital to consider holistically business elements from the beginning. Students will

learn, experience, and create a business model canvas from the Design perspective. The course focuses on business environment analysis, brand strategy, trend research, marketing mix, and meeting real customers and users.

#### CTM4005 CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION

This course aims to provide students with an understanding and an application of the design thinking process in solving social problems. Students from different majors will build interdisciplinary teams to design and develop a prototype for a creative technology solution. Students will have a chance to observe social problems and empathize with the ones in the problems. Students will also have the opportunity to think systematically and creatively about

social problems and creative solutions.

## ● CREATIVE TECHNOLOGY MANAGEMENT ●

### Goal

The Creative Technology Management (CTM) track sets out to be the premier course of undergraduate education for technology management professionals. The course is distinctive in integrating consideration of the creative aspects of technology with the study of management. In following the track, students will acquire the practical and theoretical knowledge necessary to create, manage, and lead the evolution of commercial forms of Information Technology (IT). The track arises out of the perception that the greatest challenges facing knowledge societies today concerns the need for creativity in developing innovative concepts in technology, business and the organization of work and society generally. Our curriculum aims to form a new generation of IT entrepreneurs and managers, by equipping our students with the creative thinking skills, understanding of new and old IT, and managerial nous that can bring technology and company leadership together in productive new formations.

### Curriculum

Our curriculum will bridge the disciplines of IT and management through a set of offerings in an area designated 'Creative Industry'. The IT curriculum will cover the study of the effective design, analysis, delivery and use of Information Systems or software apps. The management curriculum establishes a foundation in the fundamental management practices of finance, marketing, leadership, strategy, entrepreneurship and venture capital. As our core curriculum, the creative industry track will seek to be rigorous in imparting to students skills by which they can think creatively. It will more often invite them to explore, or to modify a field of knowledge, than it will simply expose them to a series predetermined subject-matters. The academic basis for the program will be in the liberal arts, sociology, economics or the performing arts. The course also provides a customized curriculum for prospective business leaders and entrepreneurs in creative industry, introducing various emerging business models.

### Career

The CTM major will prepare students to become global business leaders and management experts in the field of creative technology. The courses in CTM constitute a broad program of study designed to provide managerial, technical, and entrepreneurial background of technology management to enable students to qualify for opportunities in entertainment, digital media, public broadcasting, game software, and IT services. CTM should also be an excellent springboard for those wishing to start their own ventures in creative industries. Alternative career paths for CTM graduates may include working for leading global consulting firms as business or IT consultants specializing in the creative industry. Lastly, CTM students may pursue careers as industry experts or policy makers for public agencies.

### Faculty

CTM draws upon top faculty talent from within Yonsei University in order to educate creative, critical, and independent thinkers who will take their place in a cutting-edge industry. Specifically, faculty members from the Graduate School of Information, the Department of Computer Science in the College of Engineering and the Graduate School of International Studies will provide necessary skills and resources to cover the CTM courses.

### ○ Curriculum Chart ○

Classification Abbreviation: MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MR	CTM1002	IT FOUNDATION	3	3(0)
	MR	CTM1001	INTRODUCTION TO MANAGEMENT	3	3(0)
	ME	CTM1004	PROGRAMMING FOR EVERYBODY	3	3(0)
2	MR	CTM2002	INTRODUCTION TO INFORMATION SYSTEMS MANAGEMENT	3	3(0)
	ME	CTM2003	STRATEGY FOR CREATIVE TECHNOLOGY BUSINESS	3	3(0)
	ME	CTM2005	UX DESIGN AND STRATEGIC MANAGEMENT	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	CTM2009	ATTRACTING INVESTMENT FOR AN ENTREPRENEURIAL VENTURE	3	3(0)
	ME	CTM2010	ENTREPRENEURIALY MANAGING IN CREATIVE TECHNOLOGY INDUSTRIES	3	3(0)
	ME	CTM2011	SOCIAL NETWORK ANALYSIS	3	3(0)
	ME	CTM2012	STRATEGIC MARKETING IN CREATIVE INDUSTRY	3	3(0)
	ME	CTM2014	DATA SCIENCE FOR BUSINESS	3	3(0)
	ME	CTM2015	FINANCIAL ACCOUNTING FOR TECHNOLOGY VENTURE FIRMS	3	3(0)
	ME	CTM2016	BUSINESS STATISTICS	3	3(0)
	ME	CTM2017	FINANCIAL MANAGEMENT FOR TECHNOLOGY VENTURE FIRMS	3	3(0)
	ME	CTM2018	MANAGERIAL ACCOUNTING FOR TECHNOLOGY VENTURE FIRMS	3	3(0)
	ME	CTM2020	CULTURE TECHNOLOGY	3	3(0)
	ME	IID2017	DATA VISUALIZATION	3	3(0)
	ME	IID2019	INTRODUCTION TO SOCIAL COMPUTING	3	2(2)
3	MR	CTM3015	TECHNOVATION: INTRODUCTION TO TECHNOLOGY MANAGEMENT	3	3(0)
	ME	CTM3001	BUSINESS MODELS IN CREATIVE TECHNOLOGY INDUSTRY	3	3(0)
	ME	CTM3006	INFORMATION SECURITY AND PRIVACY	3	3(0)
	ME	CTM3007	PROJECT MANAGEMENT IN CREATIVE INDUSTRY	3	3(0)
	ME	CTM3010	MEDIA ENTERTAINMENT INDUSTRY AND POLICY	3	3(0)
	ME	CTM3011	DIGITAL BUSINESS STRATEGY	3	3(0)
	ME	CTM3012	BUSINESS STRATEGY AND DATA ANALYTICS	3	3(0)
	ME	CTM3013	ECONOMICS OF TECHNOLOGICAL INNOVATION	3	3(0)
	ME	CTM3014	SMART SERVICE SYSTEMS	3	3(0)
	ME	CTM3016	DIGITAL SOCIAL MEDIA	3	3(0)
	ME	CTM3017	IT BUSINESS MODEL ANALYSIS & DEVELOPMENT	3	3(0)
	ME	CTM3018	ENTREPRENEURSHIP AND INNOVATION POLICY	3	3(0)
	ME	CTM3019	TOOLS AND TECHNIQUES FOR TECHNOLOGY MANAGEMENT	3	3(0)
	ME	CTM3021	OPERATIONS RESEARCH AND MANAGEMENT SCIENCE FOR CTM	3	3(0)
	ME	IID3017	MACHINE LEARNING	3	3(0)
	ME	IID3018	SOCIAL DIGITAL INNOVATION PROJECTS	3	3(0)
	ME	IID3019	DEEP LEARNING	3	3(0)
	ME	TAP3001	NEW PRODUCT AND SERVICE DEVELOPMENT	3	2(2)
4	MR	TAP4001	TECHNO-ART CAPSTONE PROJECT	6	4(4)
	ME	CTM4001	UNDERGRADUATE DIRECTED STUDY	3	3(0)
	ME	TAP4003	SOCIAL INNOVATION CAPSTONE PROJECT 2	3	3(0)
	ME	CTM4004	TECHNOLOGY-SERVICE CONVERGENCE MANAGEMENT	3	3(0)
	ME	CTM4005	CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION	3	3(0)
	ME	STP4001	SCIENCE, TECHNOLOGY, INNOVATION AND POLICY	3	3(0)

○ Major/Minor Requirements ○

- Major: Students admitted in 2013 and thereafter must take 45 credits from Creative Technology Management major course listings including the following five required courses (18 credits): Introduction to Management, IT Foundation, Introduction to Information Systems Management, Technovation, Techno-Art Capstone Project.
  - Double Major: 36 credit-hours are required. Double majors must complete the following five required courses (18 credits): Introduction to Management, IT Foundation, Introduction to Information Systems Management, Technovation, Techno-Art Capstone Project.
  - Minor: 18 credit-hours are required including the following three required courses (9 credits): Introduction to Management, Introduction to Information Systems Management, Technovation.
- \* If a course is listed under multiple majors, the course will be counted towards fulfilling only one of the majors. Therefore, students should choose which major the course will be counted towards.

○ Course Descriptions ○

#### CTM1001 INTRODUCTION TO MANAGEMENT

The course offers a comprehensive introduction to effective management principles and conduct. Throughout the course, students will be expected to apply managerial disciplines to their study and personal lives.

#### CTM1002 IT FOUNDATION

The aim of this course is to provide students with an understanding of the elements of information technology including but not limited to computer hardware and software, data structures (stack, queue, trees), algorithms (sorting, searching, graph, operations research), database and SQL, computer networks, computer programming, computer graphics, human-computer interaction, artificial intelligence, and performance measurement. Based on the knowledge of these elements, at last, students will have a chance to study computer-supported cooperative work. Lectures and exercises, homework assignments, midterm and final exams of multiple choice problems, writing an essay, and helpful resources will be provided in order to achieve the goal of this course. This course can be positioned in the intersection of computer science, industrial engineering, and business. *"My fear towards computers vanished. Now I want to learn about it."* will be a review that a successful student will leave at the end of this course.

#### CTM1004 PROGRAMMING FOR EVERYBODY

The aim of this course is to provide students with an understanding of computer programming in perspective of learning a new language to foster code literacy. Python is the computer programming language that students will learn in this course. Students will learn how computers work and how computer programs work, and how to translate instructions in human language into machine instructions in Python computer programming language. A simple text-based game will help students learn control statements, a simple web scraping and monitoring system will help students learn internet and robotic process automation, a simple point-of-sales system will help students learn functions, modules, and data handling with a file system and a database, and a simple GUI survey system will help students learn human-computer interaction. Object-oriented programming, data structures and algorithms, regular expressions will help students build a robust computer program. Additionally, a web app using flask or django web development framework will help students build a working IT service. Lectures and lab exercises, homework assignments, midterm and final exams of coding interview problems will help students to achieve this course's aim.

#### CTM2002 INTRODUCTION TO INFORMATION SYSTEMS MANAGEMENT

This course is designed from the viewpoint of business managers, not of computer hardware or software engineers. Students will learn basic concepts and principles of information system, and grow insights to search business opportunities by using information technologies.

#### CTM2003 STRATEGY FOR CREATIVE TECHNOLOGY BUSINESS

Successful New Economy firms must be able to accomplish each of the following tasks: Create value largely through the gathering, synthesizing, and distribution of information / Formulate strategy in ways that make management of the enterprise and management of technology convergent / Operate in a world characterized by low barriers to entry, near zero variable costs of operation, and as a result, intense, constantly shifting competition / Organize resources around the demand side rather than around the supply side / Manage relationships with customers and markets often through screen-to-face channels and interfaces / Use technology mediated channels. This course aims to equip present and future executives, managers, and strategists in becoming successful in this sweeping change.

#### CTM2005 UX DESIGN AND STRATEGIC MANAGEMENT

This class applies management point of view to the UX design and IT service by combining theoretical and practical aspects of UX design and strategic management.

#### CTM2009 ATTRACTING INVESTMENT FOR AN ENTREPRENEURIAL VENTURE

To attract investment, three fundamental skills are necessary. First, entrepreneurs must have a good understanding of financial statements and financial analysis for his and her companies. Second, entrepreneurs should assess the business feasibility of their startup idea, using practical methodologies. Lastly, presenting their innovative ideas and business plan is key to securing funding. This course covers these three aspects of an entrepreneurial venture in startup education. It encompasses the basics of constructing and analyzing financial statements and new business feasibility as well as the essential skills of making effective presentations in various situations when your startup company is launched.

#### CTM2010 ENTREPRENEURIALLY MANAGING IN CREATIVE TECHNOLOGY INDUSTRIES

This course encourages students who are the future industry leaders to take risks associated with starting up a new creative technology business. Both in venture companies and large enterprises, a new business opportunity comes with a series of challenges to overcome. This course demonstrates how to effectively manage such risk-taking and

pursue business goals with entrepreneurial skills and mindset. As such, this course introduces fundamental concepts, latest cases and practical tools on managing product and service innovation. Connect&Design innovation strategy is discussed in greater depth, followed by a hands-on project in which students set up an innovation plan for their organizations.

#### CTM2011 SOCIAL NETWORK ANALYSIS

This course will help students think a system including a social system, knowledge system, and communication system in relational and structural way that may lead the students to come up with insights. Bibliometrics (i.e., scholarly communication) and informetrics will be covered. Besides, technology and market will be examined by network analysis.

#### CTM2012 STRATEGIC MARKETING IN CREATIVE INDUSTRY

This course is a study of strategic marketing concepts and techniques for crafting and executing appropriate marketing strategies. The purpose of this course is to introduce students to a comprehensive introduction to strategic marketing principles and conducts and prepare them to be marketing strategy acumen. This course is designed to not only provide students with an introduction to strategic marketing concepts and skills but also encourage students to put these concepts and skills into practice. Students will have solid experience in building keenness and speed in understanding when deciding how to tackle marketing problems and creating market-driven and market-driving strategies for the future success of a business. The class will also examine how to leverage technology advances to gain better performance and complete advantage for an organization.

#### CTM2014 INTRODUCTION TO DATA SCIENCE

This intermediate course aims to provide the undergraduate students at CTM, with an opportunity to understand data science. I expect our students to understand data science, apply methods in data science in Python to solve business problems based on evidence (data).

#### CTM2015 FINANCIAL ACCOUNTING FOR TECHNOLOGY VENTURE FIRMS

This course is an introduction to the basic concepts and standards underlying financial accounting systems. Several important concepts will be studied in detail, including: revenue recognition, inventory, long-lived assets, present value, and long term liabilities. The course emphasizes the construction of the basic financial accountings -the income statement, the statement of financial position, and cash flow statements -as well as their interpretation.

#### CTM2016 BUSINESS STATISTICS

This course aims to provide students with variety of basic techniques in understanding and interpreting data, and to help students to develop skills in analyzing scenarios and problems in commerce and industry by applying statistics methods. It also emphasizes the applications of elementary statistical methods to commerce and industry.

#### CTM2017 FINANCIAL MANAGEMENT FOR TECHNOLOGY VENTURE FIRMS

This course aims to help students to understand how firms meet financial objectives by utilizing financial decision making, and explain financial tools and techniques, which can be used to help firms maximize value by improving decisions such as capital budgeting, capital structure, and working capital management.

#### CTM2018 MANAGERIAL ACCOUNTING FOR TECHNOLOGY VENTURE FIRMS

This course aims to teach the students the fundamentals of managerial accounting including how to navigate the financial and related information managers need to help them make decisions. The students will learn about cost behaviors and cost allocation systems, how to conduct cost-volume-profit analysis, and how to determine whether costs and benefits are relevant to decisions.

#### CTM2020 CULTURE TECHNOLOGY

The goal of this course is to provide students with the opportunity to gain expertise in the humanities, social sciences and the arts, as well as a background in science and technology. Students will explore culture, history and art from traditional to contemporary, seeking the possibilities of creative scientific research and applications.

#### IID2017 DATA VISUALIZATION

Data visualization is a lot of fun. This course takes you from the basics to an expert data visualizer who can cater to top decision makers like CEOs, business analysts, strategy consultants. Among others, you will learn key concepts of data visualization (data types, data structures, data encoding), R as a powerful tool for data analysis, data manipulation, and data visualization, other visualization tools like Tableau, Raw, Visual.ly and Plotly, to compare with R, visualization of basic data structures (e.g. histograms, boxplots, scatterplots), visualization of multivariate data structures (e.g. interactive charts, cartography), pattern discovery (e.g. 3D plots, heatmaps, cluster plots)

#### IID2019 INTRODUCTION TO SOCIAL COMPUTING

This course aims to develop a broad understanding of the characteristics of social software and computational systems, including opportunities and challenges surrounding trending services and technologies. We will focus on the study of how social software is being used and what makes these systems more useable, enjoyable, and beloved by audiences worldwide. Students are asked to review papers and work in various social computing research domains, including analyzing social media data, crowdsourcing and human computation researches, and interacting with artificial intelligent agents.

#### CTM3001 BUSINESS MODELS IN CREATIVE TECHNOLOGY INDUSTRY

The course studies the basics of model development by focusing attention on the first instance of the components of a business model. Students will learn about the whole process of analyzing models and developing them through a well-conceived, well-grounded framework

#### CTM3006 INFORMATION SECURITY & PRIVACY

This course offers an overview of various issues in security, privacy and the fair use of information in creative technology firms. Information security management systems, secure coding, hacking, viruses, worms, honeypots, honey monkeys, IDS, IPS, DRM, DRP, privacy principles (Privacy by Design, OECD, APEC, EU approaches) are discussed.

#### CTM3007 PROJECT MANAGEMENT IN CREATIVE INDUSTRY

This course introduces how to manage creative technology projects. The objective is to manage and control IT projects in alignment with organizational strategic goals and within resource constraints and to manage high performing project teams to implement IT solutions. The course explores how to mitigate various project risks.

#### CTM3010 MEDIA ENTERTAINMENT INDUSTRY AND POLICY

This course will develop a framework to help you understand and critically analyze media/entertainment players, media/entertainment users and culture, media policies and social impact of media/entertainment services.

#### CTM3011 DIGITAL BUSINESS STRATEGY

This course helps you understand the elements that forms digital future and managing new technologies that will emerge and focuses on the relationship between technology and the business.

#### CTM3012 BUSINESS STRATEGY AND DATA ANALYTICS

The objective of this course is to provide a foundation to prepare students to play leading roles in the data analytics world. In fact students need to be equipped with many different skills to become good data scientists. Data base skills, programming skills, analytical skills and statistical knowledge are examples of knowledge good data scientists should have. It might be impossible to cover all those skills in one course. Instead I will focus on basic statistical knowledge with regard to decision making and strategic thinking in the course.

#### CTM3013 ECONOMICS OF TECHNOLOGICAL INNOVATION

This course is designed to provide a working knowledge of economic principles and real world practices on a range of topics pertaining to technology and innovation. After the brief overview of fundamentals of economics, we will cover various topics including (1) dynamic process of innovation and corporate strategy such as disruptive innovation, vertical integration vs. modularization, learning curve, and determinants of R&D intensity; (2) success and failure of innovative activities; (3) utilization issues of innovation output including first-mover advantage, battles for winner-take-all, patents and standards.

#### CTM3014 SMART SERVICE SYSTEMS

This course aims to help students acquire ability to develop a smart service system. In this semester, students will be able to access web services, run web servers, build web service systems, and extend the systems to smart service systems for community welfare. This advanced course is to provide the undergraduate students at CTM, with an opportunity to apply data science to web services.

#### CTM3015 TECHNOVATION: INTRODUCTION TO TECHNOLOGY MANAGEMENT

This course will help students understand how creative technologies are brought to a real market. It focuses on core topics in innovation supposing a business environment. The course will further introduce how different technological firms innovate on the adoption of advanced and emerging technologies.

#### CTM3016 DIGITAL SOCIAL MEDIA

This course is a study of digital social media concepts, techniques, and applications for crafting and utilizing digital social media. The purpose of this course is to introduce students to a comprehensive introduction to digital social media principles and conducts and prepare them to be digital social media acumen. This course is designed to not only provide students with an introduction to digital social media concepts and skills but also encourage students to

put these concepts and skills into practice. The class will also examine how to leverage digital social media advances to gain better performance and competitive advantage for an organization.

#### CTM3017 IT BUSINESS MODEL ANALYSIS AND DEVELOPMENT

This course aims to foster IT convergence experts in the era of the 4th Industrial Revolution (1. Collective Problem Solving, 2. Hands on Experience Education, 3. IoT Entrepreneurship), by achieving competence in building an IT based “Identification-Planning-Analysis-Development-Implementation” business modeling process with technologies leading the 4th Industrial Revolution.

#### CTM3018 ENTREPRENEURSHIP AND INNOVATION POLICY

This course provides introductory understanding of innovation policy, which can provide significant opportunities as well as challenges for businesses and the behaviour of markets. Particular focus is given to innovation policies relevant to entrepreneurial activities in technology-intensive sectors.

#### CTM3019 TOOLS AND TECHNIQUES FOR TECHNOLOGY MANAGEMENT

This course will introduce diverse tools and techniques for supporting the strategic management of technology and innovation. Students will learn basic concepts of these tools using case studies, and also train skills and techniques required for their practical applications through hands-on, interactive activities of using the tools.

#### CTM3021 OPERATIONS RESEARCH AND MANAGEMENT SCIENCE FOR CTM

This course introduces OR/MS tools that help CTM students make a better decision. It covers linear programming, network analysis, integer programming, nonlinear optimization, decision analysis, heuristics and meta-heuristics.

#### IID3017 MACHINE LEARNING

This course provides an introduction to machine learning from a theoretical and practical perspective. It is designed for students with no background in computer science and statistics who want to get an overview of machine learning and learn practical skills to apply on real data. At the end, students will have acquired a set of practical skills of AI. This knowledge should enable them to conduct further courses or dedicated self-study on an advanced level.

#### IID3018 SOCIAL DIGITAL INNOVATION PROJECTS

Students will examine our current world as well as look into the future for inspiration. The students will participate in group exercises for ideation; receive feedback from individuals outside the academic sphere; explore technologies that will help them reach their goal; and use these experiences to produce a real world solution.

#### IID3019 DEEP LEARNING

This course introduces deep learning from a theoretical and practical perspective. Course objectives are as follows. Understand classical neural network architectures. Learn building blocks of deep learning architectures. Learn how to tune a deep learning models. Understand the architecture of Convolutional Neural Networks (CNNs). Get an overview of Recurrent Neural Networks (RNNs) and Generative Adversarial Networks (GANs). Acquire practical programming skills to conduct deep learning projects

#### TAP3001 NEW PRODUCT AND SERVICE DEVELOPMENT

This is a course about developing new products or servicing using creative technologies. At the first part of the course, general development frameworks for developing new products will be introduced. Then along the development methodologies various topics including product life cycle, product marketing forecasting techniques such as Bass Model, service design technologies and product positioning strategies will be covered.

#### CTM4001 UNDERGRADUATE DIRECTED STUDY

Subject of mutual interest to student and faculty member. Prerequisite: faculty sponsor.

#### CTM4004 TECHNOLOGY-SERVICE CONVERGENCE MANAGEMENT

Technology servitization strategy in order to create value for both conventional and new industries

#### STP4001 SCIENCE, TECHNOLOGY, INNOVATION AND POLICY

Innovation and entrepreneurship have been regarded as sources for economic vitality and growth. A recent success of the Silicon Valley is a good example. This course will introduce literature on innovation and entrepreneurship. Also it will review policy options for Government from a comparative perspective.

#### TAP4001 TECHNO-ART CAPSTONE PROJECT

Students will form multidisciplinary teams and work with a partner creative organization to design new services addressing the needs of an underserved population of users. Teams will identify unmet customer needs and develop and prototype new service designs (e.g. web services, services with a product component, educational campaigns). They will then test services that they have proposed with real customers and so develop an implementation plan.

#### TAP4003 SOCIAL INNOVATION CAPSTONE PROJECT 2

This course aims to provide the undergraduate students at ISSD and TAD, with an opportunity to understand how they can leverage business to foster social values in our community. In addition, students will develop their own projects (or taking from DFK Tanzania Project) and have a chance to deliver ideas on their social business to diverse audience.

#### CTM4005 CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION

This course aims to provide students with an understanding and an application of the design thinking process in solving social problems. Students from different majors will build interdisciplinary teams to design and develop a prototype for a creative technology solution. Students will have a chance to observe social problems and empathize with the ones in the problems. Students will also have the opportunity to think systematically and creatively about social problems and creative solutions.

## ● JUSTICE AND CIVIL LEADERSHIP ●

### Goal

The Justice and Civil Leadership (JCL) major uniquely guides each student toward a personal understanding of 'justice' and cultivates talented and confident leaders whose commitment to a just society will distinguish them in companies, governments, law firms, NGOs, intergovernmental organizations, and academia.

### Curriculum

Students explore innovative courses in law, politics, and philosophy, addressing topics including human rights, the environment, global commerce, international and domestic law, policy-making, applied ethics, and the roles of international organizations. Because the JCL produces career leaders prepared to confront complex problems, classes provide a practical and theoretical education where students question assumptions, critique and develop arguments, evaluate normative claims, and originate research projects addressing contemporary issues. Specific courses in leadership, policy-making, negotiation, diplomacy, and social movements will enrich students' leadership education.

Students seeking official recognition of more focused studies within the JCL program may elect a concentration in one of the three subfields of the JCL major (Law, Politics, or Philosophy). Upon graduation, a student who has successfully completed five courses (fifteen credits, including the Major Required courses) designated in the field may request a certificate of concentration acknowledging this specialization. However, no concentration is required.

### Career

The JCL major delivers the transdisciplinary education necessary to succeed in rapidly changing professions and post-graduate studies where capacities for precise, creative, and swift analysis, along with verbal and written communication skills, outrank compartmentalized knowledge. Graduates of the JCL program will thrive in any profession which values autonomous learning, critical analysis, and innovative thinking. While many students major in the JCL with a view to preparing for laws schools and other post-graduate programs (several graduates have attended Korean and foreign law schools and other graduate programs), others choose the JCL because it prepares them well for the rigors of the business world and the public sector (e.g., innovative start-ups and United Nations Governance Officer).

The JCL Facebook page (video section) offers more information about the major and its graduates' career tracks ([https://www.facebook.com/yonsei.jcl/videos/?ref=page\\_internal](https://www.facebook.com/yonsei.jcl/videos/?ref=page_internal)).

### Faculty

A dedicated transdisciplinary faculty from the JCL program, as well as various departments of Yonsei University and the private sector lead courses and offer comprehensive support for student growth. The faculty members have academic backgrounds and practical experiences in law, politics, business, philosophy, economics, and sociology, among other fields.



Classification Abbreviations: MR-Major Required; ME-Major Elective. Course years are recommendations; students in any year may take any course unless the professor otherwise states in the syllabus.

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)	CATEGORY FOR CONCENTRATION
1,2	MR	JCL1001	INTRODUCTION TO JUSTICE AND CIVIL LEADERSHIP	3	3(0)	None
	MR	JCL1002	POLITICAL THOUGHT: CONCEPTS AND CASE STUDIES	3	3(0)	Politics
	MR	JCL2011	INTRODUCTION TO LEGAL STUDIES	3	3(0)	Law
	MR	JCL1004	ETHICS AND POLICY	3	3(0)	Philosophy
2	ME	JCL2003	FUNDAMENTALS OF CONSTITUTIONALISM	3	3(0)	Law
	ME	JCL2005	SOCIAL JUSTICE: THEORY, POLICY, AND LAW	3	3(0)	Philosophy
	ME	JCL2010	UNITED NATIONS AND GLOBAL JUSTICE	3	3(0)	Politics
	ME	JCL2012	HUMAN RIGHTS: FOUNDATIONS AND CONTEMPORARY ISSUES	3	3(0)	Politics
	ME	JCL2013	INTRODUCTION TO U.S. LAW	3	3(0)	Law
	ME	JCL2014	UNDERGRADUATE TUTORIAL SEMINAR	1	1(0)	None
	ME	JCL2015	PRINCIPLES OF LEADERSHIP	3	3(0)	Politics
	ME	ISM2106	RULE OF LAW IN THE GLOBAL CONTEXT	3	3(0)	Law
3	ME	JCL3001	CURRENT ISSUES IN INTERNATIONAL LAW	3	3(0)	Law
	ME	JCL3003	COMPARATIVE KOREAN COMMERCIAL LAW	3	3(0)	Law
	ME	JCL3004	GLOBAL GOVERNANCE AND DIPLOMATIC PRACTICE	3	3(0)	Politics
	ME	JCL3005	LAW, JUSTICE AND SOCIETY	3	3(0)	Philosophy
	ME	JCL3006	PHILOSOPHICAL FOUNDATIONS OF LAW AND POLITICS	3	3(0)	Philosophy
	ME	JCL3007	NEGOTIATION SCIENCE & PRACTICE	3	3(0)	Politics
	ME	JCL3009	INTERNATIONAL ECONOMIC ORDER: NORMS AND ORGANIZATIONS	3	3(0)	Politics
	ME	JCL3101	GLOBAL ENVIRONMENTAL LAW AND DIPLOMACY	3	3(0)	Law
	ME	JCL3103	INTERNATIONAL INTELLECTUAL PROPERTY LAW	3	3(0)	Law
	ME	JCL3104	THE LAW OF INTERNATIONAL BUSINESS TRANSACTIONS	3	3(0)	Law
	ME	JCL3106	BUSINESS ETHICS AND SOCIAL RESPONSIBILITY	3	3(0)	Philosophy
	ME	JCL3107	INTRODUCTION TO CONTRACT AND TORT LAW	3	3(0)	Law
	ME	JCL3108	BIOETHICS	3	3(0)	Philosophy
	ME	JCL3109	CRIMINAL LAW AND PROCEDURE	3	3(0)	Law
	ME	JCL3110	KOREAN CONSTITUTIONAL LAW	3	3(0)	Law
	ME	JCL3111	KOREAN CIVIL LAW AND SOCIETY	3	3(0)	Law
	ME	JCL3112	GLOBAL TRADE AND HUMAN RIGHTS	3	3(0)	Politics
	ME	STP3007	SOCIAL INNOVATION SEMINAR	3	3(0)	Politics
	ME	ISM3105	POLITICAL ECONOMY OF DEVELOPMENT	3	3(0)	Politics
	ME	ISM3515	TRANSNATIONALISM AND MIGRATION	3	3(0)	Politics
	ME	ISM3534	COMPARATIVE CONSTITUTIONAL TRADITIONS	3	3(0)	Politics
	ME	POL3831	COSMOPOLITANISM AND CRITICS	3	3(0)	Politics
4	ME	JCL4002	THE RULE OF LAW IN THEORY AND PRACTICE	3	3(0)	Law
	ME	JCL4007	EUROPEAN UNION LAW AND POLITICS	3	3(0)	Law
	ME	JCL4008	PHILOSOPHY OF PUNISHMENT	3	3(0)	Philosophy
	ME	JCL4009	SOCIAL MEDIA AND SOCIETY	3	3(0)	Philosophy
	ME	JCL4010	POLICY ANALYSIS: JUSTICE AND LEADERSHIP	3	3(0)	Politics
	ME	JCL4011	SEMINAR: SOCIAL MOVEMENTS AND POLITICAL ACTION	3	3(0)	Politics
	ME	ISM4812	GLOBAL JUSTICE	3	3(0)	Philosophy

○ Major/Minor Requirements ○

- Major: 42 credit-hours are required from the Justice and Civil Leadership (JCL) course listings, including the four compulsory (Major Required) courses (12 credit-hours).
    - 1) Introduction to Justice and Civil Leadership
    - 2) Political Thought: Concepts and Case Studies
    - 3) Introduction to Legal Studies
    - 4) Ethics and Policy

Major Required courses may be taken in any order, but it is strongly recommended that students take Introduction to Justice and Civil Leadership before or contemporaneously with the other Major Required courses.
  - Double Major: Students who take the JCL as a second major must take thirty-six credit-hours from the JCL course listings, including the Major Required courses.
  - Minor: Students who minor in the JCL must take eighteen credit-hours from the JCL course listings, including the Major Required courses.
- Each student, including transfer students, must consult the Graduation Requirements table for the year the student was admitted to the UIC to determine the student's complete graduation requirements.

## ○ Course Descriptions ○

### JCL1001 INTRODUCTION TO JUSTICE AND CIVIL LEADERSHIP

This JCL gateway course distinguishes and integrates the major's three fields of study: law, politics, and philosophy. Students will learn how each discipline enriches the other. Students are better prepared to approach each JCL class from a transdisciplinary perspective.

### JCL1002 POLITICAL THOUGHT: CONCEPTS AND CASE STUDIES

What is the 'best' form of government? When is a country a 'democracy?' Why do we sometimes protest, sometimes revolt, and sometimes do nothing? Is free speech sometimes too 'free?' Is civil society decaying? Is nationalism a bad thing? We utilize political theories to answer these and other political questions and apply our analytical toolkit to real-world cases.

### JCL2011 INTRODUCTION TO LEGAL STUDIES

We explore definitions, concepts, and forms of law, the forums where law is shaped, and the way disputes are legally resolved. Students are introduced to liability, causation, damages, sanctions, and procedure, consider relationships among law, judicial reasoning, public policy, and politics, and adopt analytical templates used by lawyers and judges.

### JCL1004 ETHICS AND POLICY

This course equips students with ethical reasoning and analytical skills to morally evaluate real and proposed social policies. Case studies are drawn from law, technology, psychology, economics, and international relations, among other fields.

### JCL2003 FUNDAMENTALS OF CONSTITUTIONALISM

This course will provide an overview of the principles of 'constitutionalism,' loosely defined as a cluster of ideas, attitudes, and practices according to which the authority of government derives from and is limited by a body of fundamental law. We will examine the source and limits of governmental power and the proper relationship between citizens and the state, and among the different branches of the government.

### JCL2005 SOCIAL JUSTICE: THEORY, POLICY AND LAW

After introducing seminal social justice philosophies including utilitarianism, libertarianism, liberalism, communitarianism, and post-modernism, students will apply them to contemporary social justice areas such as the BIPOC, multiculturalism, LGBTQ+, economic justice, pandemic policies, and social justice remedies.

### JCL2010 UNITED NATIONS AND GLOBAL JUSTICE

Students will gain a basic understanding of the United Nations' structure, including the UN Charter, organs, and procedures. We will study the International Court of Justice, examine UN activities, such as counterterrorism, sustainable development, peace operations, human rights, nuclear nonproliferation, and self-determination, and consider UN reforms.

### JCL2012 HUMAN RIGHTS: FOUNDATIONS AND CONTEMPORARY ISSUES

Human rights are an emerging social science topic in neo-internationalism. What are 'human rights?' How do 'western' and 'non-western' definitions differ? How have states promoted rights, domestically and internationally? Is the 'western model' of human rights declining? Will the post-World War II international human rights regime survive? What are alternative, non-Western human rights philosophies? Our approach is interdisciplinary, drawing on philosophy, politics, law, culture, and international relations, and, throughout the class, we study historical and contemporary cases.

#### JCL2013 INTRODUCTION TO U.S. LAW

The course helps students understand the law and the operation of the U.S. legal system. After learning the basic framework of the law and legal system of the United States, we will focus on more contemporary issues such as the Black Lives Matter movement by comparing present-day debates to those of older days in similar circumstances. Will history repeat itself?

#### JCL2014 UNDERGRADUATE TUTORIAL SEMINAR: WRITING ABOUT JUSTICE

The goal of this tutorial is to improve students' writing and analytical abilities through writing workshops, using various topics on "justice" broadly defined as the vehicle. While the specific topic covered may vary, consistent focus will be on honing the writing skills of students in a small-scale, participatory setting.

#### JCL2015 PRINCIPLES OF LEADERSHIP

Leadership influences people by providing purpose, direction, and motivation to accomplish the mission and improve the organization. With this in mind, Principles of Leadership is about arming you with the knowledge to become a better leader, develop better leaders, and make teams and organizations more effective.

#### JCL3001 CURRENT ISSUES IN INTERNATIONAL LAW

The course introduces students to the system of public international law, which regulates relations between actors on the global stage. Topics include the nature of international law, sources of international law (e.g., treaties, customary law, and general principles), participants in the international legal system (e.g., states, international organizations, and multinational companies), state responsibility, and the relationship between international and domestic law. We cover current developments and events.

#### JCL3003 COMPARATIVE KOREAN COMMERCIAL LAW

After introducing principles and theories of comparative commercial law, we explore various legal issues surrounding business corporations' legal structure and characteristics by tracking the life cycle of this theoretically immortal artificial person. Students will leave with an understanding of the foundations of commercial and corporate law.

#### JCL3004 GLOBAL GOVERNANCE AND DIPLOMATIC PRACTICE

We explore the intersections among diplomacy, multilateralism, and global governance, emphasizing diplomacy's underlying theories, modes, objectives, and practical applications. We will consider traditional diplomacy, newer forms involving civil society and digital media, the role of domestic politics, middle/small-power diplomacy, East Asian diplomacy, and diplomacy's future. Occasionally, we conduct diplomatic simulations involving current crises.

#### JCL3005 LAW, JUSTICE AND SOCIETY

This course aims at familiarizing students with the concept of law, the normative nature of law and justice, major legal families in the world and their historical developments, the process of legal change and the evolution of law. The class will then inquire into various areas of law in society, namely crime and social control, law and economic development, disputes and dispute resolution, the legal profession and legal education, the working of the judiciary, and law and justice in a globalizing world.

#### JCL3006 PHILOSOPHICAL FOUNDATIONS OF LAW AND POLITICS

What is the 'law?' When is it 'valid?' How is the law different from an autocrat's commands? Are law and 'justice' always the same? If not, do we have a duty to respect the law? When no legal rule controls a case, how should judges decide the case? Can there be right answers to legal disputes, even when informed judges and lawyers disagree about the answer? We consider legal philosophies ranging from natural law to critical legal studies to address these and related questions.

#### JCL3007 NEGOTIATION SCIENCE & PRACTICE

We face negotiation in everyday life. You may negotiate with your parents, spouses, neighbors, professors, employers, etc. As a business person, lawyer, or diplomat, more often than not, your work requires negotiation skills. Our goals are to understand the purpose of negotiation, develop sound negotiation skills, and acquire competence to correctly reflect the outcome of a negotiation in the written contractual agreement.

#### JCL3009 INTERNATIONAL ECONOMIC ORDER: NORMS AND ORGANIZATIONS

This course is for all students interested in the regime regulating international economic relations between the States and relevant international organizations such as the International Monetary Fund, the World Bank, the World Trade Organization and the United Nations. The objective is to understand the foundations of the international economic order and discuss relevant issues from the standpoints of rights and justice, particularly distributive justice.

#### JCL3101 GLOBAL ENVIRONMENTAL LAW AND DIPLOMACY

This course examines the development of laws and legal institutions that address environmental problems and advance environmental policies. Topics include traditional environmental regulation, the explosive growth and impact of national environmental laws, and international collaborative efforts in solving environmental issues, like climate change and biodiversity.

#### JCL3103 INTERNATIONAL INTELLECTUAL PROPERTY LAW

Intellectual property law ensures the recognition and financial benefit of scientific creations. Rapid technological advancements make this protection more important than ever. This course will introduce students to the philosophical, economic, and doctrinal foundations of IP law. Students will learn to critically evaluate various aspects of IP law and either defend them or formulate well-argued recommendations for improvement.

#### JCL3104 THE LAW OF INTERNATIONAL BUSINESS TRANSACTIONS

The legal framework for private international business transactions regulates the international sale of goods, imports/exports, technology transfer, intellectual property, and foreign direct investment. We consider such topics generally and in specific situations.

#### JCL3106 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY

With the emergence of mega-corporations whose powers and influence sometimes exceed those of sovereign states, there is an ever increasing need for sound ethical guidelines that can ensure that they act responsibly. After considering ethical concepts and social responsibility theories relevant to businesses, we will apply these conceptual tools and frameworks to various real-world settings through case studies.

#### JCL3107 INTRODUCTION TO CONTRACT AND TORT LAW

Contracts underpin national and global economies, without them globalization could not have occurred. How are contracts formed, challenged, and enforced? A tort is a civil wrong based in common and statutory laws. Torts, including negligence, strict liability, intentional harm, and nuisance, are rooted in socio-economic values. We consider these legal classifications and real-world cases applying them.

#### JCL3108 BIOETHICS

Bioethics concerns ethical and policy issues surrounding life sciences research, medicine, and health policy. As technology advances, it raises ever more urgent questions about the proper division between science and biology, as new techniques make it easier than ever to produce the kinds of changes that usually take nature thousands of generations and millions of years to produce. Modern societies must deal with vexing policy issues regarding the just distribution of medical and other resources to support the health and welfare of even their poorest citizens.

#### JCL3109 CRIMINAL LAW AND PROCEDURE

This course will introduce students to the historical, theoretical, and legal foundations of criminal law and procedure. Along the way we will consider what rights and duties citizens have with respect to each other; which kinds of behavior the law enforces vs. which kinds it leaves up to private citizens to figure out for themselves; and the kinds of restrictions a just legal system must enforce against itself in order to ensure the rights of citizens.

#### JCL3110 KOREAN CONSTITUTIONAL LAW

In this course, we will explore issues, cases studies, and policy debates in Korean constitutional law, past and present. Students will understand, analyze and evaluate the dynamics of the Korean Constitution from the vantage point of divergent intellectual traditions and analytical frameworks.

#### JCL3111 KOREAN CIVIL LAW AND SOCIETY

The goal of this course is to introduce students to the various ways in which the law regulates and defines the manner in which private citizens interact with one another in Korean society. We will examine the historical roots of the Korean Civil Code and learn to understand current social issues relating to contractual relationships, property rights, and family duties, through the lens of the law.

#### JCL3112 GLOBAL TRADE & HUMAN RIGHTS

This course examines laws, policies, and strategies for addressing the human rights implications of international trade and foreign investment. We consider how different actors in international law (states, international courts and tribunals, business enterprises and other non-state actors, including human rights advocates) have developed and used

various tools to make human rights an important normative framework for the conduct of global business.

#### JCL4002 THE RULE OF LAW IN THEORY AND PRACTICE

This course advances the student's understanding of the concepts first considered in Introduction to Legal Studies. Topics are more deeply studied and new legal subjects are introduced. Students will more fully engage cases, statutes, and evolutions in legal thinking and sharpen their legal reasoning and communication skills.

#### JCL4007 EUROPEAN UNION LAW AND POLITICS

We examine the institutional, constitutional, and substantive aspects of European integration, including the EU's law-making processes. Statutes and case law on current topics, such as free movement and fundamental rights, are reviewed. We consider the dynamics of integration and existential challenges posed by Brexit and the Eurozone crisis.

#### JCL4008 PHILOSOPHY OF PUNISHMENT

Punishment--defined broadly as taking corrective action in response to an offense--plays an important role in politics, business transactions, criminal justice, the education system, families, personal relationships, and even social media interactions. This course examines the major components of punishment (incapacitation, rehabilitation, deterrence, and retribution), considering their moral justification, their practical effectiveness, and more effective ways to deal with transgressions.

#### JCL4009 SOCIAL MEDIA AND SOCIETY

Digital media has had a major impact on the way we relate to ourselves, to each other, and to the wider world. This course will explore, among other things, the resulting effect on our personal and social psychology, politics, epistemology, and economics. Along the way, we will consider which parts of digital media show the most promise for providing a net benefit for human welfare, and which parts ought to be avoided/neutralized as much as possible.

#### JCL4010 POLICY ANALYSIS: JUSTICE AND LEADERSHIP

The focus of this course will be on policy issues from areas such as education, immigration, employment, prison reform, and international treaties. We will first introduce the issue's factual and theoretical background; then identify areas where current policy is effective and areas needing improvement; and, finally, design a comprehensive policy to address the most pressing problems. Students will get significant experience analyzing issues and developing reasoned arguments to support their conclusions, in addition to crafting practical solutions to difficult problems.

#### JCL4011 SEMINAR: SOCIAL MOVEMENTS AND POLITICAL ACTION

Social movements are shaped by and transform every facet of the domestic and international socio-political-economic world. They impact everyday public policies, including gender, LGBTQ+, the disabled, political rights, and transnational justice. Tactics and goals may be radical or moderate and pursued against authoritarian and democratic governments. This interactive seminar exposes students to various theoretical approaches for studying social movements and applies those theories to 'real world' case studies.

For description of courses which are included in the JCL curriculum chart, but which are offered by other UIC majors, students should refer to those majors' sections in this booklet.

## ● QUANTITATIVE RISK MANAGEMENT ●

### Goal

As modern financial institutions face various risks from a wide range of financial and non-financial sources, measuring and managing these risks has become a vital part of their daily and strategic decision-making process. Due to the interconnectedness of the international financial system, we now witness that the consequences of financial risks can affect not just individual institutions, but all of society. Quantitative Risk Management (QRM) is a multidisciplinary program designed to give students opportunities to study advanced quantitative methods and models used in the modern financial world. After completion of the program, successful students will be able to start careers in various positions in financial risk management. QRM has a vision to nurture interdisciplinary global talents for financial risk management by creating synergistic effects which transcend traditional academic disciplines such as economics, statistics, actuarial science,

and other relevant fields.

### Curriculum

Being an interdisciplinary program, QRM is based on a wide range of academic disciplines, such as economics, applied statistics, mathematical finance, and actuarial science. It offers a rich, yet mathematically rigorous, curriculum that enables students to understand, measure, and manage the risks underlying diverse financial models and the economy. In particular, students will learn the system of the financial market, the risks underpinning the market, and how to measure, monitor, and manage those risks.

Subjects taught include: macro and micro economics, statistical models for financial markets and products, fixed income securities and related risks, equity models, financial derivatives and structured products, credit and operational risks, financial engineering, life and non-life insurance loss models, asset-liability management, regulation, and other risk analytics.

### Career

Our program provides students with a strong foundation in quantitative risk management. After completing the program successfully, QRM graduates will be well prepared for careers as qualified professionals within financial institutions such as banks, securities firms, insurance companies, asset management firms, ratings agencies, and consulting firms, as well as other private organization that require advanced skills in risk management. Public sector jobs, such as those in regulatory authorities, are an alternative career choice. QRM graduates can also pursue higher education, or work for government and private research institutes and universities.

### Faculty

Qualified faculty members of Yonsei University from diverse disciplines will teach the courses offered at QRM. The faculty members have expertise in multitude fields such as economics, statistics, mathematics, and quantitative analysis for financial risk management. All faculty members have years of proven records in teaching and research in the field of QRM, and some of them are nationally acclaimed academics in their fields.

## ○ Curriculum Chart ○

Classification Abbreviation : MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	UICE	STA1001	INTRODUCTION TO STATISTICS	3	3(1)
	MR	QRM1001	INTRODUCTION TO QUANTITATIVE RISK MANAGEMENT	3	3(0)
	MR	ECO1101	MATHEMATICS FOR ECONOMICS I	3	3(0)
	ME	ECO1103	PRINCIPLES OF MICROECONOMICS	3	3(0)
	ME	ECO1104	PRINCIPLES OF MACROECONOMICS	3	3(0)
2	MR	QRM2001	FUNDAMENTAL ECONOMIC ANALYSIS	3	3(0)
	ME	QRM2002	FINANCIAL DATA ANALYSIS	3	3(0)
	ME	QRM2004	STATISTICAL ANALYTIC METHODS	3	3(0)
	MR	ECO2101	MACROECONOMICS		3(0)
	ME	ECO2102	MICROECONOMICS	3	3(0)
	ME	STA2102	LINEAR ALGEBRA	3	3(0)
	ME	STA2104	R AND PYTHON PROGRAMMING	3	3(0)
3	ME	-	QUANTITATIVE METHODS OF FINANCIAL ENGINEERING	3	3(0)
	MR	QRM3004	REGRESSION ANALYSIS	3	3(0)
	ME	QRM3001	THEORY OF FINANCIAL ANALYSIS	3	3(0)
	ME	QRM3002	PORTFOLIO THEORY AND APPLICATION	3	3(0)
	ME	QRM3003	PRINCIPLES OF FINANCIAL ENGINEERING	3	3(0)
	ME	STP3007	SOCIAL INNOVATION SEMINAR	3	3(0)
	ME	ECO3104	ECONOMETRICS	3	3(0)
	ME	ECO3105	FINANCIAL ECONOMICS	3	3(0)
	ME	-	FINANCIAL RISK ANALYSIS	3	3(0)
	ME	STA3124	STOCHASTIC PROCESS FOR DATA SCIENCE	3	3(0)
	MR	STA3126	MATHEMATICAL STATISTICS I	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	ECO3127	LAW AND ECONOMICS	3	3(0)
	ME	ECO3130	INTERNATIONAL FINANCE	3	3(0)
	ME	ECO3134	MONEY AND BANKING	3	3(0)
4	ME	QRM4001	ANALYTICS FOR SOCIAL INNOVATION	3	3(0)
	ME	STA4103	DATA MINING	3	3(0)
	ME	STA4111	STATISTICS FOR INSURANCE	3	3(0)
	ME	ECO4115	CORPORATE FINANCE AND ECONOMICS	3	3(0)
	ME	ECO4862	ANALYSIS OF INTERNATIONAL FINANCIAL MARKET	3	3(0)
	ME	ECO4865	REAL ESTATE FINANCE AND ECONOMICS	3	3(0)
	ME	-	MAJOR QUALIFYING PROJECT (MQP)	6	-
	ME	-	STATISTICAL MODELS FOR GENERAL INSURANCE	3	3(0)
	ME	-	ACTUARIAL MATHEMATICS	3	3(0)
	ME	-	STATISTICAL RISK MANAGEMENT	3	3(0)

### ○ Major/Minor Requirements ○

- Major: 42 credit-hours required from the course list of QRM major. The following six courses (18 credits) are required:
  - 1) Introduction to Quantitative Risk Management
  - 2) Fundamentals of Economic Analysis
  - 3) Macroeconomics **or** Microeconomics
  - 4) Mathematics for Economics 1
  - 5) Mathematical Statistics 1 **or** Regression Analysis
  - 6) Principles of Financial Engineering
- Double Major: 36 credit-hours required. Double majors must also take the six courses required for QRM major.
- Minor: 18 credit-hours required. Introduction to Quantitative Risk Management, Mathematics for Economics, Fundamentals of Economic Analysis, Mathematical Statistics 1 **or** Regression Analysis, Principles of Financial Engineering are required to QRM minors.
- QRM major, double major, and minor students have to take Introduction to Statistics from the UIC electives though this course is not counted for the QRM major credits. Please refer to the graduation requirements for details.)
- Of the courses taken from the School of Economics and Department of Applied Statistics, which are taught in Korean, only up to 4 courses (12 credits) can be counted as Major Credits.

### ○ Course Descriptions ○

#### STA1001 INTRODUCTION TO STATISTICS

This course is an introduction to the use and limitations of mathematical and statistical techniques in risk management. Several statistical techniques are covered and examined for application in quantitative decision making. The main purpose of the course is to provide useful information and insights to support the uses of statistics in risk management. There are two aspects to this course. The first aspect of this course is the teaching of statistical concepts by introducing statistical techniques. Another aspect is to show how statistical techniques are actually used in practice. There are many examples of the practical use of statistical techniques. Relevant case studies will be presented as the course covers new topics.

#### QRM1001 INTRODUCTION TO QUANTITATIVE RISK MANAGEMENT

An introduction to financial risk and management using statistical and mathematical models will be discussed. Brief quantitative methods for measuring and modeling financial risks and losses in real-world events will also be introduced. Quantitative methods covered in the course will include theories from statistics, economics, and mathematics.

#### ECO1101 MATHEMATICS FOR ECONOMICS I

An introduction to mathematical techniques useful in the analysis of statistics, economics, and business.

#### ECO1103 PRINCIPLES OF MICROECONOMICS

This course will introduce basic microeconomic concepts and models of the consumer, the firm, the market, and government policies. The decision making of economic agents, factors that may affect prices, the effects of government policies, general equilibrium theory and welfare economics will be the main topics of interest.

#### ECO1104 PRINCIPLES OF MACROECONOMICS

Macroeconomic topics will cover economic growth, unemployment, the business cycle, trade, income, prices, and monetary and fiscal policy. Effects of policies and trends of growth will be more specifically analyzed in short and long term and the interaction between the goods market and the assets market will be introduced.

#### QRM2001 FUNDAMENTALS OF ECONOMIC ANALYSIS

This course seeks to address the following sets of related questions at an introductory level. How are prices determined? When can we rely on market forces to work and when do they not work? What happens when a market is not competitive? What does national income measure, and how can we improve it? What causes unemployment and price inflation? You should be in a position to answer these important questions yourselves at the end of the course.

#### QRM2002 FINANCIAL DATA ANALYSIS

The aim of the course is to provide students with the necessary toolkit to analyze and extract information from financial data. In this course, we introduce fundamentals of financial investments and basic econometric methods applied to financial data. This course weighs equally on both theoretical and practical learning with the following goals: (1) familiarizing students with the features of financial data, (2) equipping students with investment theory to analyze the financial data, and (3) enabling students to implement the techniques for financial investment using computer software.

#### QRM2004 STATISTICAL ANALYTIC METHODS

This course will introduce several statistical techniques useful for data analysis. Some basic understanding of statistical theories such as regression, and analysis of variance will be discussed thoroughly. Other statistical methods such as the T-test and the Chi-square test for comparing populations will also be introduced. The use of statistical packages will be emphasized for all data analysis techniques covered in the course.

#### STA2102 LINEAR ALGEBRA

Linear algebra forms the basis for much of modern mathematics-theoretical, applied, and computational. The purpose of this course is to provide a broad and solid foundation for the study of advanced mathematics. A secondary aim is to introduce the student to many of the interesting applications of linear algebra. Various applications of linear algebra show how linear algebra is essential in solving problems involving differential equations, optimization, approximation, and combinatorics.

#### STA2104 R AND PYTHON PROGRAMMING (formerly COMPUTER DATA ANALYSIS)

Based on various kinds of quantitative data, useful computer programs will be taught for efficient data processing and its analysis. Statistical analysis and numerical analysis, and optimization will be practiced using VBA, Matlab, R, or other suitable softwares.

#### QRM3001 THEORY OF FINANCIAL ANALYSIS

By the conclusion of this course you will i) understand basic financial theory and practices, ii) develop the big picture of managerial finance so you can understand how things fit together, and iii) strengthen your skills in analyzing financial problems, identifying the issues, and making financial decision.

#### QRM3002 PORTFOLIO THEORY AND APPLICATION

The goal of this course is to expose students to the fundamental concepts of investment theory. This will include an introduction to portfolio theory and application, asset pricing and the analytical tools of portfolio management.

#### QRM3003 PRINCIPLES OF FINANCIAL ENGINEERING

Various theories of financial engineering will be introduced as they relate to futures, options, swaps, and other derivatives. Numerical techniques will be introduced in the pricing of derivatives. Computer programming will be used in determining the price of derivatives in order to enhance understanding of the topic.

#### QRM3004 REGRESSION ANALYSIS

Regression model is one of the most widely-used statistical tools in our real world. In particular, linear regression model is important not only in the field of statistics but also in the all of data handling analyses. In this class we will explore basic theories - such as simple regression models, multiple regression models, model diagnostics and



variable selections. If time allows, we will briefly cover the real data analysis with the statistical packages.

#### STA3109 MATHEMATICAL STATISTICS 2

This course is designed for students who have a solid statistical background. The topics include various statistical estimations and tests based on various principles. Other topics covered are data reductions and some asymptotic theories.

#### STP3007 SOCIAL INNOVATION SEMINAR

This course examines the political economy implications of social innovation, drawing from specific case studies. It covers the following themes: (1) theoretical and historical aspects of social innovation; (2) why social enterprise has become an increasingly important alternative to public and private sector action; (3) the evolving public policy context for social entrepreneurship and innovation in the world; (4) identification of social enterprise archetypes and typologies of social value creation; and (5) projection for social innovation encountering new challenges.

#### ECO3104 ECONOMETRICS

This course will deal with the regression analysis, least squares estimation, autocorrelation, multicollinearity, endogeneity, and etc. It aims to provide students with the knowledge of the techniques of econometrics analysis with focus on economic applications and interpreting skills.

#### ECO3105 FINANCIAL ECONOMICS

Financial economic is a branch of economics that analyzes the use and distribution of resources in markets in which decisions are made under uncertainty. Financial decisions must be made under the consideration of time, risk, opportunity costs and information. This course will provide the theory and actual practices of how decisions are made and what results they bring, and the roles of financial organizations, financial supervision and financial policies.

#### STA3124 STOCHASTIC PROCESS FOR DATA SCIENCE (formerly STOCHASTIC PROCESS)

This course is designed for students who want to learn how probability theory can be applied to the study of real-world phenomena. This course will cover the basics of discrete and continuous time Markov chain theory, and other stochastic processes. Topics include the random walk, hidden Markov chains, Poisson processes, birth and death processes, and Brownian motion.

#### STA3126 MATHEMATICAL STATISTICS 1

The goal of this course is to provide a comprehensive introduction to the mathematical study of statistics. Topics include probability, univariate distributions, multivariate distributions, functions of random variables, and limiting distributions. Emphasis will be on the theoretical development of each topic, including definitions, theorems, and proofs.

#### ECO3127 LAW AND ECONOMICS

Law and Economics is the application of economics to the analysis of laws. This course seeks to evaluate economic efficiency of laws and regulations in order to analyze and predict the effects of legal terms. Economic approaches on numerous case studies of laws will be discussed throughout the course and this topic will extend to the application of game theory in microeconomics.

#### ECO3130 INTERNATIONAL MONEY AND FINANCE

This course covers international finance, including topics intermediate theoretical models, policy issues, and interpretations of open macroeconomic phenomenon. The purpose of this course is to train students to think systematically about the current state of the

economy in terms of international finance, and to evaluate the open macroeconomic environment in which economic decisions are made.

#### ECO3134 MONEY AND BANKING

This course is designed to introduce the basic nature and role of money in the economy. Theories and case studies of financial markets and banking, monetary policies and recent global financial crisis will be discussed.

#### QRM4001 ANALYTICS FOR SOCIAL INNOVATION

This course introduces analytical tools for social innovation. In addition to statistical methodologies for machine learning tools, which are currently in the spot light, we will introduce Tensorflow, which is being developed by google. These will be key tools in the analytical domain of, for instances, finding fake news and/or identifying spam emails. No prior knowledge of statistics or computer programming are required.

#### STA4103 DATA MINING

This course is to introduce the concept and technique of data mining methods.

The increasing volume of data in modern business and science calls for more complex and sophisticated tools. Starting with basic concepts that provide background for understanding each data mining technique, we introduce more advanced concepts and algorithms that efficiently summarize and analyze the information needed from the given data.

#### STA4111 STATISTICS FOR INSURANCE

Students will learn how to price standard life insurance and annuity products. The course will be highly mathematical with quite a few actuarial formulas used in both academia and industry.

As many numerical examples are from past SoA (Society of Actuaries) exams, this course can also help students prepare for exams of actuarial professional designation of Korea and (or) North America.

#### ECO4115 CORPORATE FINANCE AND ECONOMICS

This course is designed to provide theoretical foundations and conceptual tools for undergraduate students to understand optimal financial decisions of corporations in terms of economics. The issues addressed in this course are as follows. First, this course helps students understand the stylized facts in corporate financing and capital structure in the theoretical framework of economics. In understanding the conceptual framework of capital structures, this course additionally examines the detailed implications of debt and equity instruments.

#### ECO4862 ANALYSIS OF INTERNATIONAL FINANCIAL MARKET

This introductory course is intended primarily for students majoring (or minoring) in economics and/or business who would like to have basic and systemic understanding of international financial markets.

#### ECO4865 REAL ESTATE FINANCE AND ECONOMICS

This course aims to understand basic concepts in real estate finance. It covers basic concepts in mortgages, time value of money, income producing property taxes, and real estate investment and accounting issues. In addition, this course will cover recent issues in real estate finance, such as household debt or sub-prime crisis in the US.

#### MAJOR QUALIFYING PROJECT (MQP)

Students are required to take this course during their senior year and will receive 6 credits. Students will design their own project either individually or in a small group. And the students need to find a supervisor and hold regular meetings to get their progress approved. Project topics are not restricted to certain fields, but they must have some relation to finance and risk management, the fundamental curriculum of Quantitative Risk Management (QRM). This course will offer students intensive training in research and analysis, and students will learn how to formulate their own research and to take critical approaches to using data. The creativity of the projects, the collaboration between group members, the understanding of theories and applications, the successful derivation of the solution as well as the presentation skills will be the criteria for evaluation. Students who successfully complete the course will be prepared for careers in financial and insurance risk management sectors as qualified professionals or for further studies in related fields.

#### STATISTICAL MODELS FOR GENERAL INSURANCE

Topics include models for loss severity such as parametric models, effects of policy modifications, and tail behaviour. Further topics such as models for loss frequency:  $(a, b, 0)$ ,  $(a, b, 1)$ ; mixed Poisson models; compound Poisson models; aggregate claims models: moments and moment generating function will be introduced. Classical ruin theory will also be discussed if time permits.

#### ACTUARIAL MATHEMATICS

This course covers both deterministic and stochastic models of life contingencies, that constitutes the backbone of life many life insurance products, in both single and joint-life framework. It also introduces non-life mathematical tools such as risk theory, compound random variables, and credibility theory, and other premium principles.

#### PRINCIPLES OF ECONOMICS

This course will deal with the nature and concepts of both microeconomics and macroeconomics. It will include several fundamental theories of economics as well as many case studies to enhance the understanding of students. Topics of microeconomics such as the consumer, the firm, the market, general equilibrium theory, and welfare economics will be discussed while macroeconomic topics will cover economic growth, unemployment, the business cycle, trade, income, prices, and monetary and fiscal policy.

#### QUANTITATIVE METHODS FOR FINANCIAL ENGINEERING

Concepts of finance and financial engineering will be discussed more thoroughly through the use of Matlab. Matlab is a computer programming tool that enables efficient handling of statistical analysis. One of the main goals of this course is to introduce Matlab so that students learn the mathematical modeling of financial methods and apply the pricing techniques. The application of binomial option pricing model, Black-Scholes option pricing model and

Monte Carlo simulations will enhance the understanding of quantitative methods to analyse the risk and return in real-world events and measure the values of financial derivatives.

#### FINANCIAL RISK ANALYSIS

This course provides an extensive introduction to various financial products and their derivatives, such as bonds, swaps, futures and forwards and a wide range of different options, including variance swaps, volatility indices. Students also study important models that are used for pricing and the hedging strategies.

#### STATISTICAL RISK MANAGEMENT

The recent financial crisis and its impact on the broader economy underscores the importance of advanced financial risk management. As well, in the light of increasingly complicated financial products calls for risk managers to get equipped with a sound understanding of mathematics and statistics. This course introduces various advanced statistical tools to measure and manage financial risks. The topics include risk measures, multivariate time series, dependence models, and aggregate risks.

## ● SCIENCE, TECHNOLOGY, AND POLICY ●

### Goal

Science, Technology, and Policy (STP) prepares students to understand both the technical and social dimensions of science and technology, helping them to acquire a language to frame and apply critical interdisciplinary thinking to national and international policy issues. STP is a multi-disciplinary program that utilizes methods and concepts from the humanities and the social sciences to understand the complex interactions of science, technology and the social world, and to analyze how science and technology interact with public policy issues in economic growth, global health and security, empowering students to frame and to forecast science and technology in service of society as well as equipping them to build relevant models for the future.

### Curriculum

The STP curriculum utilizes a multifaceted approach which includes seminars, laboratory work, and internships. Courses on methods will equip students with a set of powerful tools to analyze and understand data. Seminar courses allow students to experience the interdisciplinary nature of STP by focusing on diverse issues such as global warming, GMO foods, and science fiction films. Laboratory courses take place in state-of-the-art facilities, allowing students to experience the fundamentals of laboratory experiments and to understand the basic logic of science. Internship courses help students to experience theory in action, deepening their understanding of the complex nature of social issues while building their advocacy capabilities.

### Career

STP prepares students to succeed in professions that demand interdisciplinary fluency across technological and social frameworks and enables them to become leaders in public organizations including government, think tanks, international agencies, universities, and NGOs as well as private companies in various areas such as media, IT, medicine, bio industries across national boundaries.

### Faculty

Since STP is an interdisciplinary program, faculty members are drawn from various disciplines including science, engineering, social sciences, and humanities in order to provide students with diverse but deeply engaging perspectives on complex issues related to science and technology. The majors of the faculty are as follows: biochemistry and biology, material science & engineering, environmental engineering, information & industrial engineering, theology, sociology, and public policy studies.

## ○ Curriculum Chart ○

Classification Abbreviation : MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
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YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MR	STP1001	INTRODUCTION TO SCIENCE, TECHNOLOGY AND POLICY	3	3(0)
	ME	CTM1002	IT FOUNDATION	3	3(0)
	ME	CTM1004	PROGRAMMING FOR EVERYBODY	3	3(0)
2	MR	STP2001	POLICY ANALYSIS	3	3(0)
	MR	STP2003	GENERAL BIOLOGY FOR MODERN LIFE SCIENCE AND BIOTECHNOLOGY	3	3(0)
	MR	STP2004	THE RISE OF MODERN SCIENCE	3	2(1)
	ME	STP2002	PHILOSOPHY OF SCIENCE AND TECHNOLOGY	3	3(0)
	ME	STP2005	MATERIAL WORLD AND HUMANS: MATERIALS, CONSUMPTION, SOCIETY, AND ENVIRONMENT	3	3(0)
	ME	STP2006	IT AND SOCIO-ECONOMIC CHANGE	3	2(1)
	ME	STP2008	POLITICS OF WASTE: ECOLOGY AND THE COMMONS	3	3(0)
	ME	STP2009	TEXT ANALYSIS WITH PYTHON	3	3(0)
	ME	JCL2005	SOCIAL JUSTICE: THEORY, POLICY AND LAW	3	3(0)
	ME	TAP2008	SOCIAL INNOVATION CAPSTONE PROJECT 1	3	3(0)
	ME	PUB2108	ORGANIZATION THEORY	3	3(0)
	ME	-	POLITICAL ANALYSIS OF S & T	3	3(0)
	ME	-	ECONOMIC APPROACH TO S & T	3	3(0)
	ME	-	TECHNOLOGICAL PROCESS AND SOCIETY	3	3(0)
	ME	-	TECHNOLOGY AND LAW	3	3(0)
	ME	-	CRITICAL UNDERSTANDING OF SCIENCE AND TECHNOLOGY LAW	3	3(0)
	ME	-	IMAGINING THE FUTURE THROUGH HISTORIES	3	3(0)
	ME	-	POLITICS OF WASTE: ECOLOGY AND THE COMMONS	3	3(0)
3	ME	STP3001	ECOLOGY AND LAW	3	3(0)
	ME	STP3002	HUMAN BRAIN IN SOCIAL CONTEXT	3	3(0)
	ME	STP3003	ETHICS AND EMERGING TECHNOLOGY	3	3(0)
	ME	STP3004	POLITICAL ECONOMY OF FUNDING R&D	3	3(0)
	ME	STP3005	SCIENCE AND TECHNOLOGY IN FOOD SYSTEMS: PROMISE AND PERIL	3	3(0)
	ME	STP3006	ORGANIZATION THEORY	3	3(0)
	ME	STP3007	SOCIAL INNOVATION SEMINAR	3	3(0)
	ME	STP3008	LEGAL APPROACH TO HEALTH AND TECHNOLOGY	3	3(0)
	ME	STP3009	BIG DATA AND PRIVACY	3	3(0)
	ME	SDC3002	ENVIRONMENT AND DEVELOPMENT	3	3(0)
	ME	SDC3007	COOPERATION AND SUPPORT FOR SUSTAINABLE DEVELOPMENT: ACTORS, ACTIONS, AND AID FINANCING	3	3(0)
	ME	PUB3126	ORGANIZATIONS AND ENVIRONMENTS	3	3(0)
	ME	-	SOCIAL INTERPRETATION OF SCIENTIFIC DATA III	3	2(1)
	ME	-	SOCIOLOGY OF HEALTH AND MEDICINE	3	3(0)
	ME	-	TECHNOLOGY AND CULTURE	3	3(0)
	ME	-	ENERGY, ENVIRONMENT AND SOCIETY	3	3(0)
	ME	-	SCIENCE AND TECHNOLOGY POLICY EVALUATION	3	3(0)
	ME	-	SCIENCE COMMUNITY AND THEORIES OF SOCIAL ORGANIZATION	3	3(0)
	ME	-	REVOLUTION AND EVOLUTION OF INTERNET	3	3(0)
	ME	-	KNOWLEDGE, INFORMATION, AND SOCIETY	3	3(0)
	ME	-	TECHNOLOGY AND WORK	3	3(0)
4	ME	STP4001	SCIENCE, TECHNOLOGY, INNOVATION AND POLICY	3	3(0)
	ME	STP4002	SEMINAR ON SCIENCE, TECHNOLOGY, AND POLICY ISSUES	3	3(0)
	ME	STP4003	TECHNOLOGIES AND SOCIAL CHANGES IN A CONNECTED SOCIETY	3	3(0)
	ME	STP4004	TRANSFORMATIVE SOCIAL INNOVATION	3	3(0)
	ME	STP4005	POLICY EVALUATION IN PRACTICE	3	3(0)
	ME	STP4006	TECHNOLOGIES IN FINANCIAL INDUSTRY AND POLICY	3	3(0)
	ME	SDC4002	SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT	3	3(0)
	ME	STS4101	POLITICAL ECONOMY OF SCIENCE AND TECHNOLOGY	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	PUB4201	INNOVATION, ENTREPRENEURSHIP AND POLICY	3	3(0)
	ME	-	CRITICAL ISSUES IN STP	3	3(0)
	ME	-	FIELD RESEARCH	3	3(0)
	ME	-	SEMINAR ON BIOETHICS	3	3(0)
	ME	-	SEMINAR ON GREAT MINDS AND IDEAS	3	3(0)
	ME	-	STRATEGIC MANAGEMENT OF NGO	3	3(0)

○ Major/Minor Requirements ○

- Major: 42 credit-hours are required from the Science, Technology and Policy (STP) course listings. The following four courses (12 credit-hours) are required:
  - 1) Introduction to Science, Technology and Policy
  - 2) General Biology for Modern Life Science and Biotechnology (formerly Social Interpretation of Scientific Data I)
  - 3) The Rise of Modern Science
  - 4) Policy Analysis
- Double Major: Students completing Science, Technology and Policy (STP) as a second major must take 36 credit hours from STP course listings including the above required courses.
- Minor: Students with a minor in Science, Technology and Policy (STP) must take 18 credit hours from the STP course listings including the above required courses.
- CRP3670 Cities and Socio-Technical Systems (Urban Planning and Engineering course) and PUB4203 Environmental Policy and Sustainability can be counted as ME.
- STP ME cross-listed course taught in Korean (Including CRP3670 and PUB4203) can be recognized as ME only up to 4 courses (12 credits).

○ Course Descriptions ○

MAJOR REQUIREMENTS (MR):

STP1001 INTRODUCTION TO SCIENCE, TECHNOLOGY, AND POLICY

This course is designed to introduce the core curriculum of STP to students in order to deepen their understanding of the research and policy issues in STP. Multiple professors and experts will be invited as guest lecturers, who have expertise and extensive experiences on key topics. Students are then expected to set up and lead a class discussion on various aspects of the topic. It This will help students to engage and participate in current issues and complex policy options. This course can be counted towards credit for the STP major.

STP2001 POLICY ANALYSIS

This course equips students with basic concepts and theories of political science for understanding the development of science and technology.

STP2003 GENERAL BIOLOGY FOR MODERN LIFE SCIENCE AND BIOTECHNOLOGY

This course aims to develop the basic concepts of modern biology related to our health and industry for freshmen and sophomores of humanities or social science majors who want to study biology as a liberal art course. In this course we will explore essential biology and physiology, and also discuss some cultural texts that contain terms of modern biology.

STP2004 THE RISE OF MODERN SCIENCE

How did the major fields in the physical and life sciences develop from 18th-century Europe through 20th-century America? We will examine ideas, institutions, and the social settings of the sciences, with emphasis on how cultural contexts influence scientific concepts and practices.

MAJOR ELECTIVES (ME):

CTM1002 IT FOUNDATION

The aim of this course is to provide students with an understanding of the elements of information technology including but not limited to computer hardware and software, data structures (stack, queue, trees), algorithms (sorting, searching, graph, operations research), database and SQL, computer networks, computer programming, computer graphics, human-computer interaction, artificial intelligence, and performance measurement. Based on the knowledge of these elements, at last, students will have a chance to study computer-supported cooperative work. Lectures and exercises, homework assignments, midterm and final exams of multiple choice problems, writing an essay, and helpful resources will be provided in order to achieve the goal of this course. This course can be positioned in the intersection of computer science, industrial engineering, and business. *“My fear towards computers vanished. Now I want to learn about it.”* will be a review that a successful student will leave at the end of this course.

#### CTM1004 PROGRAMMING FOR EVERYBODY

The aim of this course is to provide students with an understanding of computer programming in perspective of learning a new language to foster code literacy. Python is the computer programming language that students will learn in this course. Students will learn how computers work and how computer programs work, and how to translate instructions in human language into machine instructions in Python computer programming language. A simple text-based game will help students learn control statements, a simple web scraping and monitoring system will help students learn internet and robotic process automation, a simple point-of-sales system will help students learn functions, modules, and data handling with a file system and a database, and a simple GUI survey system will help students learn human-computer interaction. Object-oriented programming, data structures and algorithms, regular expressions will help students build a robust computer program. Additionally, a web app using flask or django web development framework will help students build a working IT service. Lectures and lab exercises, homework assignments, midterm and final exams of coding interview problems will help students to achieve this course's aim.

#### STP2002 PHILOSOPHY OF SCIENCE AND TECHNOLOGY

This course is a critical, reflective examination of the nature of technology as well as the effects and transformation of technologies in human knowledge, societies, and environments. Its aim is to understand, evaluate, and criticize the ways in which technologies reflect as well as change human life individually and socially. Therefore, the task is to analyze the phenomenon of technology, its significance, and the ways that it mediates and transforms our lives.

#### STP2005 MATERIAL WORLD AND HUMANS: MATERIALS, CONSUMPTION, SOCIETY, AND ENVIRONMENT

This course will explore themes such as social meanings of materiality, power relations involved in material culture, and the problem of agency and alienation manifested in human-material relations, with special focus on social mechanisms through which materials acquire and lose values. Also, we will discuss the new kinds of environmental disasters having emerged in the context of fundamental change in human-material relationship due to excessive production/consumption/disposal that was made possible in the fossil fuel economy. We will also discuss modern urban space and built-environment with specific focus on social and environmental implications.

#### STP2006 IT AND SOCIO-ECONOMIC CHANGE

How can scientific data be interpreted and utilized in the social context? Students will learn to know, analyze and interpret scientific data through laboratory practice, learning to become fluent with scientific logic and language.

#### STP2008 POLITICS OF WASTE: ECOLOGY AND THE COMMONS

This course explores, first, social and institutional dynamics of attaching values to things (and detaching values from things), and the way for things to be systemically retreated from useful circulation. Secondly, this course deals with social systems of managing toxins and wastes, focusing on massive infrastructure and built environment especially in urban spaces. Thirdly, this course studies human relations affected by the production and disposal of waste, with special attention to the issues of inequity and injustice. This includes power relations and information asymmetry regarding toxic wastes. Finally, this course explores alternative ways of relating with things and wastes, which are ecologically sound and democratically accountable.

#### STP2009 TEXT ANALYSIS WITH PYTHON

The purpose of this course is to analyze texts in English and Korean using Python programming language. First, students learn the grammar of the Python language necessary for text analysis. Second, students learn algorithms to analyze texts on websites or plain text files by calculating the number of occurrences of words composing a text and identifying topics of the text. In other words, it is a course for beginners who do not have any programming experiences to get to know how to write a Python program and to analyze a text. However, it is necessary to have basic knowledge on linear algebra including matrix, vector calculus, and statistics to understand and follow the lecture.

#### JCL2005 SOCIAL JUSTICE: THEORY, POLICY AND LAW

Students will discuss seminal social justice philosophies.

#### TAP2008 SOCIAL INNOVATION CAPSTONE PROJECT 1

The purpose of the course is to provide students with an opportunity (1) to identify a social problem around us and (2) to come up with a solution. Students will learn methodologies of conducting research to identify problems and design solutions. Students will receive education necessary to carry out field research.

#### STP3001 ECOLOGY AND LAW

Understand basic concepts of ecology and law and their relationship

#### STP3002 HUMAN BRAIN IN SOCIAL CONTEXT

This course provides students with an opportunity to understand human cognition and brain in various contexts. It covers a wide range of cognition (e.g., perception, attention, memory, language) that applies to our various living contexts and the workings of the human brain relevant to the cognition.

#### STP3003 ETHICS AND EMERGING TECHNOLOGY

This course aims to articulate how we approach the regulation of emerging technologies will inevitably have wide implications - not only for security and ethics but for our definition of human dignity and the equality of individual.

#### STP3005 SCIENCE AND TECHNOLOGY IN FOOD SYSTEMS: PROMISE AND PERIL

This class examines how the relationship between society and food has affected and been affected by the intertwined forces of industrialization, urbanization, and globalization. We will interrogate positions that the industrial food system is 'inevitable' or 'indispensible' to feeding a global population of 9 billion. This class will explore how technology and policy has helped bring about societies in which high levels of obesity, food insecurity, and food waste coexist. Students will examine critical case studies (e.g. GMOs, biofuels) to learn how these challenges are understood as policy problems and how science and technology are mobilized to address these problems.

#### STP3006 ORGANIZATION THEORY

This course is intended to introduce fundamental concepts and framework for understanding multi-faceted aspects of organizations (i.e., structure, process, and behavior). It is designed as a series of contrasts among various theories classified by unit/level of analysis such as individuals, groups, and organizations. Applications cover a variety of Korean organizations mostly in the public sector.

#### STP3007 SOCIAL INNOVATION SEMINAR

This course examines the political economy implications of social innovation, drawing from specific case studies. It covers the following themes: (1) theoretical and historical aspects of social innovation; (2) why social enterprise has become an increasingly important alternative to public and private sector action; (3) the evolving public policy context for social entrepreneurship and innovation in the world; (4) identification of social enterprise archetypes and typologies of social value creation; and (5) projection for social innovation encountering new challenges.

#### STP3008 SOCIAL INNOVATION SEMINAR

This course examines the political economy implications of social innovation, drawing from specific case studies. It covers the following themes: (1) theoretical and historical aspects of social innovation; (2) why social enterprise has become an increasingly important alternative to public and private sector action; (3) the evolving public policy context for social entrepreneurship and innovation in the world; (4) identification of social enterprise archetypes and typologies of social value creation; and (5) projection for social innovation encountering new challenges.

#### STP3009 BIG DATA AND PRIVACY

The goal of the course is to understand the concept of information privacy and think about the ways to protect information privacy in the context of health big data. The course will first cover fundamental concepts of information privacy. The course will then review the nature of big data, focusing on the values and risks of health big data. The course will then proceed to review the best policy options to create a balance between maximizing the values and minimizing the risks of using health big data. The course will review the cases of other countries and subsequently go over the specific issues raised in the Korean context.

#### SDC3002 ENVIRONMENT AND DEVELOPMENT

This course aims to provide students with a critical knowledge of the issues involving sustainable development. It will define the concepts of environmental sustainability and review the situations of environmental degradation in the context of development. Students will examine the actions that have been taken in international institutions to deal with global environmental challenges. The course will emphasize a rigorous theoretical and empirical training in designing and implementing environmental policy.

#### SDC3007 COOPERATION AND SUPPORT FOR SUSTAINABLE DEVELOPMENT: ACTORS, ACTIONS, AND AID FINANCING

The course aims to understand diverse actors that contribute to sustainable development, including pro-poor economic growth, poverty alleviation, and livelihoods improvement. Students will learn about the logic and rationale of those

actors, such as the United Nations Programs, Funds, and Specialized Agencies, multilateral institutions and bilateral agencies. As students explore specific case studies of each actor, they will have a chance to apply their knowledge of sustainable development to conduct critical evaluation of policy, agenda, and/or programs that are funded by these actors.

#### STP4001 SCIENCE, TECHNOLOGY, INNOVATION AND POLICY

Innovation and entrepreneurship have been regarded as sources for economic vitality and growth. A recent success of the Silicon Valley is a good example. This course will introduce literature on innovation and entrepreneurship. Also it will review policy options for Government from a comparative perspective.

#### STP4002 SEMINAR ON STP ISSUES

Open topics related to STP

#### STP4003 TECHNOLOGIES AND SOCIAL CHANGES IN A CONNECTED SOCIETY

We are at the beginning of a revolution that is fundamentally changing the way we live, work, and relate to one another. In its scale, scope and complexity, what we consider to be the fourth industrial revolution is unlike anything that humankind has experienced before. We have yet to grasp fully the speed and breadth of this new revolution. Consider the unlimited possibilities of having billions of people connected by mobile devices, giving rise to unprecedented processing power, storage capabilities and knowledge access. On the social front, a paradigm shift is underway in how we work and communicate. There have been two big turning points in human history. The first was the Industrial Revolution, where machines replace muscle power. The second machine age is the time when machines are now able to take over a lot of cognitive tasks that humans can do. There are three characteristics in the second machine age. The first is an exponential improvement in computational power, communications technologies, data storage and even software. The second characteristic of this age is the digital nature of core technologies. An increasing number of industries have software at their core and, therefore, are characterized by their economics of digitation. The third characteristic is the combinatorial nature of innovation. Digital innovations can be combined and recombined to create even more value.

#### STP4005 POLICY EVALUATION IN PRACTICE

Students will learn general theories and techniques on policy-making process and evaluation. Also the class introduces real-life examples on public policy and students will learn an analytical framework to understand the daily operation of government and public sector.

#### STP4006 TECHNOLOGIES IN FINANCIAL INDUSTRY AND POLICY

We will study the technologies such as AI, Big Data, and FinTech from the perspective of non-technical majors as well as their social and policy implication. Financial industry has been pioneering the technological developments for more than 20 years, though unnoticeable to most people. As such, developments in both traditional financial industry and upcoming financial industry (FinTech) would make up a significant part of the course.

#### CTM4005 CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION

This course aims to provide students with an understanding and an application of the design thinking process in solving social problems. Students from different majors will build interdisciplinary teams to design and develop a prototype for a creative technology solution. Students will have a chance to observe social problems and empathize with the ones in the problems. Students will also have the opportunity to think systematically and creatively about social problems and creative solutions.

#### SDC4002 SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT

This course seeks to give you an introductory understanding of utilizing entrepreneurship as a tool for solving social problems worldwide. This course will provide the following: History and context of entrepreneurship as it relates to society and social change, Background and case studies of problems facing individuals living in poverty in interacting with market systems, Exposure to best practices in entrepreneurial thinking, utilizing “hypothesis testing” to validate which solutions might solve particular problems, Discussion of specific models that can promote entrepreneurial innovations to social problems, whether the venue be for-profit, non-profit, or government/policy.

#### STS4101 POLITICAL ECONOMY OF SCIENCE AND TECHNOLOGY

This course is designed to deepen students' understanding of political and economic aspects of the development of science and technology. Students are encouraged to read what lies behind scientific and technological change from the perspective of political economy.

#### PUB4201 INNOVATION, ENTREPRENEURSHIP, AND POLICY

This course investigates the nature of innovation and entrepreneurship based on science and technology from the perspective of policy-makers. Students will be exposed to various academic theories and real-life examples to better understand the complex nature of innovation process and its impact on society and economy.



#### IMAGINING THE FUTURE THROUGH HISTORIES

How have science fiction and film depicted contemporary science, technology, and medicine? We will explore the social studies of science, technology, and medicine using science fiction films and novels, as well as readings in science and technology studies.

#### SOCIAL INTERPRETATION OF SCIENTIFIC DATA III

How can scientific data be interpreted and utilized in the social context? Students will learn to know, analyze and interpret scientific data through laboratory practice, learning to become fluent with scientific logic and language.

#### SOCIOLOGY OF HEALTH AND MEDICINE

How do social characteristics (age, race, class, gender, sexual orientation) influence an individual's experience of health, illness, medical institutions and more in healthcare professions? We will explore these issues within the parameters of social epidemiology as well as health and illness definitions.

#### TECHNOLOGY AND CULTURE

What cultural effects and risks follow from treating biology as technology? How have computers changed the way we think about ourselves and others? How are politics built into our infrastructures? We will explore the forces behind technological and cultural change; how technological and cultural artifacts are understood and used by different communities; and whether, in what ways, and for whom technology has produced a better world

#### ENERGY, ENVIRONMENT, AND SOCIETY

Examines national and global energy debates, namely energy security, climate change, and energy access. Explores technological, market, environmental, cultural and political "fixes" to the energy question, as well as a wide variety of energy forms and stakeholders. Evaluates development, nuclear security, environment ethics, and conflicts between energy and food security.

#### CRITICAL ISSUES IN STP

Analyzes current events and issues from the perspective of Science, Technology and Society. Students explore a chosen topic and develop their own unique analysis, applying the ideas and concepts of STP.

#### SEMINAR ON BIOETHICS

Should doctors be allowed to help patients end their lives? If so, when and how? Should embryos be cloned for research and/or reproduction? Should parents be given control over the genetic make-up of their children? What types of living things are appropriate to use as research subjects? How should we distribute scarce and expensive medical resources? Draws on philosophy, history, and anthropology to show how problems in bioethics can be approached from a variety of perspectives.

#### SCIENCE AND TECHNOLOGY POLICY EVALUATION

Prioritization is the basic step for allocating finite resources and its efficacy can be enhanced when systematic evaluation of suggested policies is implemented. This course will introduce basic concepts and step-by-step procedures of policy evaluation.

#### ECONOMIC APPROACH TO SCIENCE AND SOCIETY

This course equips students with basic concepts and theories of economics for understanding the development of science and technology.

#### TECHNOLOGY AND LAW

This course equips students with basic concepts and theories of law for understanding the development of science and technology.

## ● SUSTAINABLE DEVELOPMENT AND COOPERATION ●

### Goal

The Sustainable Development and Cooperation (SDC) major aims to train talented individuals who will pursue careers in fields related to international development. International development encompasses a broad range of development issues such as sustainable economic growth, environmental policies, poverty reduction, inequality, human rights, health, education. The SDC major also provides an interdisciplinary education on the diverse development experiences of the world. Students will acquire theoretical and conceptual skills that enable them to address a wide variety of development issues from the perspectives of diverse academic disciplines that include economics, politics, anthropology, and history. They will also be educated on how to develop practical field experience as a development practitioner and to play an

informed role in the struggle for the improvement of human life.

#### Curriculum

The curriculum of the SDC major consists of a combination of three major academic areas that includes sustainability studies, development studies, regional and international studies. Sustainability studies is focused on issues of environmental preservation and sustainable economic growth. Included subjects are energy and environmental policy, environmental management, and environmental policy and sustainable development. The curriculum of development studies focuses on the theories and practices of international development and covers subjects such as the history of international development, development cooperation and foreign aid, economics of international development, and development field research. Regional and international studies analyzes the historical, cultural, and political factors that shape relations among countries and includes subjects such as international conflict and cooperation, international political economy, and international law and governance.

#### Career

Education at the SDC major will prepare students to become experts on development and environmental issues and launch them into successful careers in the field of international development and cooperation. Career paths for SDC graduates include working in domestic and international development agencies such as KOICA, UNDP, and World Bank. SDC graduates will also have career opportunities as consultants in non-profit organizations, NGOs, governments and development banks. SDC graduates who pursue an academic career may advance to graduate schools to further extend their knowledge in international development and cooperation.

#### Faculty

The SDC major fully utilizes the diverse backgrounds and perspectives from various departments at Yonsei University. World class level faculty members in the area of international development and cooperation are drawn from the Graduate School of International Studies, Department of Social Welfare, and Department of Administration, and Graduate School of Public Health. In addition, specialists in international development and cooperation from development agencies, such as KOICA, will participate in lectures and field research to enhance students' practical knowledge of real-life development situations and strategies.

### ○ Curriculum Chart ○

Classification Abbreviation: MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MR	SDC1001	INTRODUCTION TO SUSTAINABLE DEVELOPMENT AND COOPERATION	3	3(0)
	MR	SDC1002	INTRODUCTION TO GLOBAL AFFAIRS	3	3(0)
2	MR	SDC2002	ENERGY AND ENVIRONMENTAL POLICY	3	3(0)
	ME	SDC2001	HISTORY OF INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	SDC2003	KOREA'S DIPLOMACY ON SUSTAINABLE DEVELOPMENT	3	3(0)
	ME	SDC2005	DEVELOPMENT AND MIGRATION	3	3(0)
	ME	SDC2006	CULTURE AND SOCIAL INNOVATION	3	3(0)
	ME	ISM2108	INFORMATION SYSTEMS AND INFORMATION SOCIETY	3	3(0)
	ME	ISM2110	THEORIES OF POLITICAL ECONOMY	3	3(0)
	ME	ISM2116	KOREAN MODEL AND INTERNATIONAL DEVELOPMENT COOPERATION	3	3(0)
	ME	-	HISTORY OF INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	-	GEOGRAPHY OF DEVELOPMENT	3	3(0)
	ME	-	KOREAN ECONOMIC DEVELOPMENT	3	3(0)
	ME	-	EAST ASIAN ECONOMIC DEVELOPMENT	3	3(0)
	ME	-	POLITICAL ECONOMIC OF DEVELOPMENT	3	3(0)
3	ME	SDC3001	INFRASTRUCTURE AND DEVELOPMENT	3	3(0)
	ME	SDC3002	ENVIRONMENT AND DEVELOPMENT	3	3(0)
	ME	SDC3003	DEVELOPMENT FIELD RESEARCH	3	3(0)
	ME	SDC3004	SUSTAINABLE DEVELOPMENT AND URBANIZATION	3	3(0)
	ME	SDC3005	POLITICAL ECONOMY OF CLIMATE CHANGE	3	3(0)
	ME	SDC3006	PUBLIC HEALTH AND DEVELOPMENT	3	3(0)
	MR	SDC3007	COOPERATION AND SUPPORT FOR SUSTAINABLE DEVELOPMENT: ACTORS, ACTIONS, AND AID FINANCING	3	3(0)

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	SDC3008	SUSTAINABLE ENERGY POLICY ANALYSIS	3	3(0)
	ME	SDC3010	SUSTAINABLE DEVELOPMENT AND ISSUES ON INEQUALITY	3	3(0)
	ME	SDC3011	GENDER AND DEVELOPMENT	3	3(0)
	ME	ISM3105	POLITICAL ECONOMY OF DEVELOPMENT	3	3(0)
	ME	ISM3107	DEVELOPMENT COOPERATION AND FOREIGN AID	3	3(0)
	ME	ISM3108	INTERNATIONAL CONFLICT AND COOPERATION	3	3(0)
	ME	ISM3111	CONTEMPORARY INTERNATIONAL LAW	3	3(0)
	ME	ISM3513	HISTORY OF GLOBALIZATION AND DEVELOPMENT	3	3(0)
	ME	ISM3523	BRICS AND NEW EMERGING POWERS	3	3(0)
	ME	ISM3524	INTERNATIONAL ORGANIZATIONS AND LAW	3	3(0)
	ME	-	GLOBAL GOVERNANCE ON ENVIRONMENT	3	3(0)
	ME	-	DEVELOPMENT PLANNING	3	3(0)
	ME	-	ENVIRONMENTAL POLICY AND SUSTAINABILITY	3	3(0)
	ME	-	GENDER AND DEVELOPMENT	3	3(0)
	ME	-	POVERTY AND SOCIAL WELFARE	3	3(0)
4	ME	SDC4001	SENIOR RESEARCH SEMINAR IN INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	SDC4002	SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT	3	3(0)
	ME	SDC4003	GLOBAL HEALTH AND DEVELOPMENT	3	3(0)
	ME	SDC4004	INTERNATIONAL REGIME AND NEGOTIATIONS TO RESPOND TO CLIMATE CHANGE	3	3(0)
	ME	CTM4005	CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION	3	3(0)
	ME	PUB4203	ENVIRONMENTAL POLICY AND SUSTAINABLE DEVELOPMENT	3	3(0)
	ME	ISM4804	ECONOMICS OF INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	ISM4812	GLOBAL JUSTICE	3	3(0)
	ME	ISM4813	IMPERIALISM AND THE WORLD	3	3(0)
	ME	-	COST AND BENEFIT ANALYSIS	3	3(0)
	ME	-	TOPICS IN INTERNATIONAL DEVELOPMENT	3	3(0)
	ME	-	ENVIRONMENTAL MANAGEMENT	3	3(0)

○ Major/Minor Requirements ○

- Major: 42 credit-hours are required from the Sustainable Development and Cooperation course listings. The following four courses (12 credit-hours) are required:
  - 1) Introduction to Sustainable Development and Cooperation
  - 2) Introduction to Global Affairs
  - 3) Cooperation and Support for Sustainable Development: Actors, Actions, and Aid Financing
  - 4) Energy and Environmental Policy.
- Double Major: Students contemplating Sustainable Development and Cooperation as a second major must take 36 credit hours from SDC course listings including the above required courses.
- Minor: Students with a minor in Sustainable Development and Cooperation must take 18 credits from the SDC course listings including the above required courses.

○ Course Descriptions ○

SDC1001 INTRODUCTION TO SUSTAINABLE DEVELOPMENT AND COOPERATION

This course provides students from multidisciplinary backgrounds with opportunities to delve into the various issues of international development. Students will acquire the analytical skills that are necessary to understand a wide range of domestic and international development problems. Topics of analysis in the course are drawn from diverse disciplines such as economics, politics, sociology, anthropology, and history. These topics include poverty and inequality, free trade and fair trade, the environment, rural development, health and education, international

migration, culture and development, gender issues, globalization and development, and international financial institutions.

#### SDC1002 INTRODUCTION TO GLOBAL AFFAIRS

This is an introductory course that is divided into two parts. The first part covers the historical background of the theories of international relations with special emphasis on the traditional approaches to the study of power, ideology, state interest, and war and peace. The second part closely examines contemporary discourse in international politics. The main objectives of the course are to provide students with a useful set of analytical tools, a broad understanding of different approaches to the study of international relations, and an ability to identify and deal with some of the major contemporary issues in world politics.

#### SDC2001 HISTORY OF INTERNATIONAL DEVELOPMENT

This course examines the history of international development from the 19 century to the Cold War. We will also focus on such issues as the emergence of the nation-state, the world market for commodities, global consumption patterns and labor migration. The first section of the course highlights development from the historical perspective that will enable students to better understand the forces that shape the modern world. The second section then considers the fate of world development after World War II and focuses on three case studies of Africa, Latin America and East Asia. Students who take the course will gain a critical foundation for examining the history of development as well as a broader understanding of the forces of globalization that shape our world today.

#### SDC2002 ENERGY AND ENVIRONMENTAL POLICY

The patterns of energy use of individual countries and of the globe as a whole reflect the cumulated results of policy choices and have significant impacts on the environment, locally and globally. This course explores the connections between energy and environment policies and provides students with environmental, economic and political aspects of energy systems. This course outlines different approaches to energy policy and presents various frameworks that are needed for understanding the evolution of energy and environmental policy.

#### SDC2003 KOREA'S DIPLOMACY ON SUSTAINABLE DEVELOPMENT

The purpose of this course is to examine South Korea's strategic and diplomatic capacities in the field of international cooperation on sustainable development. This course will review various theoretical and practical issues related to South Korea's Green Growth strategy and sustainable development diplomacy, such as: nonconventional challenges to the Korean economy and environment; institutionalization of the national sustainable development strategy; global leadership as a middle power; and official development assistance (ODA); and emerging challenges to South Korea's sustainability.

#### SDC2005 DEVELOPMENT AND MIGRATION

This course is intended as an introduction to topics related to migration, ranging from potential causes that induce migration, e.g. complex emergencies, to the effects that incur from migration, both on the recipient side and the sending side. This class will investigate the understudied and yet powerful phenomenon we face as a global society, with 258 million international migrants on the move (UN, 2017). As we cover theories, case studies, and examples on migration, most of the discussion will be around developing countries, but there may be opportunities to think about what happens in the global south and the global north.

#### SDC2006 CULTURE AND SOCIAL INNOVATION

The course is designed to introduce very basic concepts in medical anthropology and health care policy.

#### ISM2108 INFORMATION SYSTEMS AND INFORMATION SOCIETY

The aim of the course is to enable students to assess the opportunities and problems that managers in a wide range of organisations face as they attempt to use these IT applications to add value to their businesses. It also aims to help students understand transformational changes within and across industries. These changes have strategic implications for many businesses.

#### ISM2110 THEORIES OF POLITICAL ECONOMY

This course is designed to give students a broad-gauged introduction to one of the largest and most vibrant branches of political science: political economy. Examining the field's diverse theoretical underpinnings, it places political economy in the context of political science more generally.

#### ISM2116 KOREAN MODEL AND INTERNATIONAL DEVELOPMENT COOPERATION

South Korea's economic rise and political democratization in the past half century is one of development's great success stories. Its transformation from rags to riches has always been mysterious and puzzling to those who are interested at Korea, particularly to foreigners. The question of "What has made the Korean model successful and interesting?" is attracting many academic and practical attentions and debates from the world.

## GEOGRAPHY OF DEVELOPMENT

This course examines geographical variation of development and explores the factors that have been identified as obstructing social and economic development in developing countries. It will be discussed how uneven spatial distribution of education, healthcare, social and economic infrastructure across different countries has contributed to underdevelopment in developing countries. Rigorous theoretical and empirical analyses will be conducted to expand our understanding of the role of geography in development and to better implement development policy.

## KOREAN ECONOMIC DEVELOPMENT

Development of the Korean economy will be examined in terms of economic systems, role of government, and social and economic conditions. The first half of the course will be devoted to review the evolution of the Korean economy during the last several decades in comparison with other East Asian economies. Major characteristics of the economy and the evolving policy changes will be explained. In the second half of the course, more specific topics such as macroeconomic management, fiscal and monetary policies, industrial policy, external economic relations, and social issues will be studied. Also the various institutional arrangements by which political and economic changes were coordinated will be examined.

## EAST ASIAN ECONOMIC DEVELOPMENT

This course provides an overview of economic development in East Asia. The complex interplay of public policy, global competition, and domestic economic relationships in China, Japan, and Korea will serve as the core subject matter of the course, though patterns of economic development in Indonesia, Malaysia, Singapore, and Viet Nam will also be discussed. Special attention is given to conditions under which regional economies have successfully blended elements of import-substituting industrialization with export-oriented growth.

## SDC3001 INFRASTRUCTURE AND DEVELOPMENT

Infrastructure (Transport, Energy, Water, etc) is often mentioned as a key to promote economic development and national growth. Most of developing countries are keen to build infrastructure for their economic development. This course will explore issues and problems in infrastructure development, the principles of infrastructure planning, construction and financing, to achieve the goal of sustainable development. Particularly transport and urban infrastructure will be focused, because urbanization and accessibility improvement are important issues for sustainable development. Empirical transport infrastructure project cases in developing countries will be discussed, and Korean cases will be examined as an example of relevant topics. Students will be participating in the discussion and debate on infrastructure related policies in order to develop their own balanced views on development strategies and measures.

## SDC3002 ENVIRONMENT AND DEVELOPMENT

This course aims to provide students with a critical knowledge of the issues involving sustainable development. It will define the concepts of environmental sustainability and review the situations of environmental degradation in the context of development. Students will examine the actions that have been taken in international institutions to deal with global environmental challenges. The course will emphasize a rigorous theoretical and empirical training in designing and implementing environmental policy.

## SDC3003 DEVELOPMENT FIELD RESEARCH

This course will be offered with coordination with development agencies such as KOICA. Students will have an opportunity to expand their knowledge in development through hand-on experience in field research. In the course, they will be trained to delve into social, economic and political problems in developing countries and to design development policies to resolve the problems.

## SDC3004 SUSTAINABLE DEVELOPMENT AND URBANIZATION

This course will provide basic understanding of urban development issues, and try to establish balanced view for solutions and alternatives for sustainable development of urban region.

## SDC3005 POLITICAL ECONOMY OF CLIMATE CHANGE

This course brings students to the research frontier in the political economy of climate change. The major goal of this course is to understand the theoretical dynamics of climate change in the fields of political science and economics. This course also aims to explore practical issues related to political and economic discourses on climate change. To achieve these goals, this course covers a wide range of topics, but the primary emphasis is understanding how the political and economic dimensions of climate change result in domestic policies and international relations. The class consists of lectures and discussions, and students' active participation in the discussions is highly anticipated. Students are expected to read a variety of reading materials and write short and long papers to fulfill the requirements of this course.

#### SDC3006 PUBLIC HEALTH AND DEVELOPMENT

This course is designed to provide students with an understanding of comprehensive primary health care as it applies in the developing world in relation to an understanding of the philosophical, theoretical and empirical issues of international development. The course provides critical insights into the social, political, and cultural processes and the institutional contexts that shape health and development issues, research, policy and practice. It aims to develop highly skilled specialists to better plan and implement health initiatives and program.

#### SDC3007 COOPERATION AND SUPPORT FOR SUSTAINABLE DEVELOPMENT: ACTORS, ACTIONS, AND AID FINANCING

The course aims to understand diverse actors that contribute to sustainable development, including pro-poor economic growth, poverty alleviation, and livelihoods improvement. Students will learn about the logic and rationale of those actors, such as the United Nations Programs, Funds, and Specialized Agencies, multilateral institutions and bilateral agencies. As students explore specific case studies of each actor, they will have a chance to apply their knowledge of sustainable development to conduct critical evaluation of policy, agenda, and/or programs that are funded by these actors.

#### SDC3008 SUSTAINABLE ENERGY POLICY ANALYSIS

The course will explore the basic concept of resource and energy and the basic principles of energy and resource economics and policies. Resource and energy policy is one of key components for a government to develop national strategies for sustainable development. Each stage of natural resources and energy such as exploring, securing, processing, and delivering require sophisticated and advanced technologies, huge capital requirement and extensive land use, which makes government to make regulation and intervention. A comprehensive framework of energy analysis will be covered in this course.

#### SDC3010 SUSTAINABLE DEVELOPMENT AND ISSUES ON INEQUALITY

This course will survey questions and issues related to two topics: inequality and redistribution. What are sociopolitical causes of economic inequality? How do political institutions affect the structure and scope of wealth redistribution?

Why do some countries have more generous welfare policies than others and are these measures effective in combating inequality?

#### SDC3011 GENDER AND DEVELOPMENT

This course considers alternative perspectives on international development focusing on the role of gender in economic and human development. The course will examine theories and empirical experiences that explain the relationship between gender and development process. Students will obtain a general knowledge of the gender disparities within developing countries and examine how these disparities are being reinforced or addressed. Students will analyze the consequences of gender disparity and out solutions to promote gender equality in the process of development.

#### ISM3105 POLITICAL ECONOMY OF DEVELOPMENT

This course will examine political economy approaches to the processes of economic and human development. The first half of the class takes an historical as well as theoretical approach to political economy of development and the second half of the class will deal with contemporary issues of development including aid, financing debt, trade and migration. The course will emphasize the interaction between politics with the economy as well as society and culture.

#### ISM3107 DEVELOPMENT COOPERATION AND FOREIGN AID

Foreign aid to developing and transitional countries is one of the principal mechanisms by which policy makers and development practitioners seek to promote economic development. This course is intended to discuss the major issues of development and aid in the global era. This course will provide an introduction to the practices of development cooperation and present an overview of aid flows, key cooperation instruments, and major donors. It will discuss conditions under which foreign aid is assumed to be effective.

#### ISM3108 INTERNATIONAL CONFLICT AND COOPERATION

The purpose of the course is to provide students with the theoretical tools, historical cases, and current issues they need to understand the causes of international conflicts and the conditions for international cooperation. This course will, therefore, introduce students to the wide range of issues that make up the study of international conflict and cooperation, including basic theoretical and methodological concepts, the causes of wars, the role of international institutions, conflict and cooperation in the international political economy, nuclear proliferation, environmental issues, and so on.

#### ISM3111 CONTEMPORARY INTERNATIONAL LAW

This course provides an introduction to the basic principles of public international law as it applies in our modern world.

#### ISM3513 HISTORY OF GLOBALIZATION AND DEVELOPMENT

This course examines the historical link between globalization and its impact on world development. While there are many different definitions for globalization, we will primarily focus on the unprecedented movement of capital, people, and information that followed the industrial revolution and the introduction of key technologies that interconnected the globe.

#### ISM3523 BRICS AND NEW EMERGING POWERS

The acronym “BRIC” stands for the “Big Four” countries of Brazil, Russia, India, and China, which are the newly emerging economic powers in the age of globalization. In 2010, South Africa became a member nation of this organization, and the group was renamed “BRICS.” For better understanding of the “BRICS” countries as leading emerging markets and powers, this course is designed to investigate the history, politics, and culture of each member nation.

#### ISM3524 INTERNATIONAL ORGANIZATIONS AND LAW

This course is designed to understand the economic and political issues raised by the development and functioning of intergovernmental organizations in the globalizing world.

#### GLOBAL GOVERNANCE ON ENVIRONMENT

The purpose of this course is to examine how the world has been striving to address environmental challenges in the context of global governance. Environmental governance encompasses the formal and informal institutions, rules, procedures and norms that regulate the processes of global environmental protection. This course will cover the environmental governance issues such as soil deterioration, climate change management, biodiversity management, and etc. The course will examine the roles of major actors such as UN and state in environmental production, and address necessary measures that include coordination between instruments and actors, institutional reforms, policies and regulations for environmental preservation.

#### DEVELOPMENT PLANNING

This course is intended to develop an understanding of key issues and dilemmas of development planning in developing countries. The issues covered in the course include state intervention, governance, law and institutions in development, privatization, participatory planning, decentralization, poverty, rural-urban linkages, corruption and civil service reform, trade and outsourcing, labor standards, post-conflict development and the role of aid in development.

#### POVERTY AND SOCIAL WELFARE

This course will examine the nature and dimensions of poverty in the global context and look into historic and contemporary approaches to ameliorating poverty and improving social welfare. In the course, theories on unequal income distribution and poverty, social insurance, and government income-maintenance programs as policy instruments to correct social problems are examined. This course will emphasize empirical research from a broad range of sources including economics, political science, sociology, developmental psychology, and public health.

#### SDC4001 SENIOR RESEARCH IN INTERNATIONAL DEVELOPMENT

This course is designed for upper division students and is highly recommended for those who are interested in developing a seminar paper for further graduate study. The course will require extensive reading, and students should come prepared each day for class discussion. During the class, students will read some foundational texts and discuss various topics on international development selected by the instructor.

#### SDC4002 SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT

This course seeks to give you an introductory understanding of utilizing entrepreneurship as a tool for solving social problems worldwide. This course will provide the following: History and context of entrepreneurship as it relates to society and social change, Background and case studies of problems facing individuals living in poverty in interacting with market systems, Exposure to best practices in entrepreneurial thinking, utilizing “hypothesis testing” to validate which solutions might solve particular problems, Discussion of specific models that can promote entrepreneurial innovations to social problems, whether the venue be for-profit, non-profit, or government/policy.

#### SDC4003 GLOBAL HEALTH AND DEVELOPMENT

The course will provide students with an overview of some of the most critical challenges facing the world today. Students will develop an understanding of essential concepts, methods, and frameworks that are essential in the study and practice of global health. Using a multidisciplinary approach to understand major determinants of poor health and the relationship between health and political, social and economic development; the class will aim to identify common sources of vulnerability and challenge across health risks.

#### SDC4004 INTERNATIONAL REGIME AND NEGOTIATIONS TO RESPOND TO CLIMATE CHANGE

This course is designed to help students to understand international regime and negotiation for climate change issues and to understand the climate negotiation processes and issues up to Paris Agreement.

#### CTM4005 CREATIVE TECHNOLOGY FOR SOCIAL INNOVATION

This course aims to provide students with an understanding and an application of the design thinking process in solving social problems. Students from different majors will build interdisciplinary teams to design and develop a prototype for a creative technology solution. Students will have a chance to observe social problems and empathize with the ones in the problems. Students will also have the opportunity to think systematically and creatively about social problems and creative solutions.

#### PUB4203 ENVIRONMENTAL POLICY AND SUSTAINABLE DEVELOPMENT

This course is designed to help students understand fundamental concepts of environmental issues and sustainable development. Students will be exposed to the various models of approaches to achieving environmental protection and sustainability and they will explore the forces behind the broadest environmental changes such as population growth, poverty and inequality, and globalization. Students will develop analytical tools relevant to the implementation of international environmental policy and sustainability.

#### ISM4804 ECONOMICS OF INTERNATIONAL DEVELOPMENT

This course outlines the experiences of economic development in various regions of the world and introduces students to major development problems and policies, both domestic and international. Topics of analysis include models of economic growth, income distribution, urbanization and rural-urban migration, health, education, the environment, and international trade and finance, problems of debt burdens, foreign aid, and private and foreign investment.

#### ISM4812 GLOBAL JUSTICE

Until the early 2000s, most theorists of justice have tacitly assumed the Westphalian sovereign state as the frame of their inquiry. Under the emerging social condition of “globality,” however, on many pressing issues of justice the appropriate frame does not coincide with the borders of any existing polity; nor does the set of stakeholders entitled to consideration coincide with any presently constituted citizenry. In such cases, some other frame is required. But which? In this course some alternative theoretical strategies for answering this question will be considered.

#### ISM4813 IMPERIALISM AND THE WORLD

This focuses on a period of the late 19th and early 20th centuries and its linkages with the development of capitalism and liberalism. In this period, imperial countries served to establish a global order by connecting different parts of the world. The growth of capitalism was the fuel for expansion of imperialism, which led to the spreading of Western ideas of liberalism globally. Such developments can be considered as having long-term positive effects on the modern world, which is both effectively organised and highly interdependent. On the other hand, period of imperialism is one of the most controversial periods in world history what includes global conflicts, bloody disputes based on race, gender or religion, severe exploitation and horrendous extraction of natural resources, building empires monetary gain, etc.

#### COST AND BENEFIT ANALYSIS

This course will examine the underlying principles and practices of cost-benefit analysis as it is now recognized as an indispensable tool for policy and decision making. In particular, the course will be focused on the application of cost-benefit analysis in the context of environmental protection. Student will learn how to evaluate the monetary values for environmental changes such as global warming, biodiversity loss, and health impacts of local air and water pollution, and make appraisal of policies and project that have the deliberate aim of improving the provision of environmental services or actions that might affect the environment.

#### TOPICS IN INTERNATIONAL DEVELOPMENT

This course will provide an overview of the issues in international development such as economic growth, poverty, inequality, rural-urban migration, education, health, environmental preservation, international trade and development, financial institutions and financial crises, and help students build skills in analytical and critical thinking in the analyses of contemporary development issues. Students will have an opportunity to apply a theoretical and practical frameworks learned in the class to assess the experiences of developing countries.

#### ENVIRONMENTAL MANAGEMENT

The course introduces theoretical and practical approaches to environmental management to protect global



environmental resources from ethical, economic and ecological perspectives. The course will explore how to resolve the conflicts that may arise between meeting the needs and protecting the environmental resources. The course will emphasize the importance of coordination among such stake-holders as public sector, private sector and civil society in designing and implementing environmental policies for environmental sustainability.

## ● NANO SCIENCE AND ENGINEERING ●

### Goal

The Nano Science and Engineering (NSE) major has the ultimate goal of providing a highly-competitive educational program in the nano-related academic field for outstanding domestic and foreign students. The program is based on an interdisciplinary curriculum spanning across basic science, applied principles, and nano-applications. Experiment-oriented courses driven by cutting-edge facilities are intensely promoted to cultivate fundamental research ability and problem-solving skills. This major essentially meets the educational needs for various nano-related fields such as semiconductors, displays, nanomaterials, photonics, nano-bio, nano-electronics, etc. Students pursuing innovative and creative challenges may be best suited for this demanding program. Education in the NSE major will lead students to the forefront of global nano-frontiers.

### Curriculum

The academic program for the NSE major is composed of basic courses, advanced courses, and applied courses on the basis of fundamental science classes such as physics, chemistry, and mathematics. Starting with the basic courses on thermodynamics, organic, inorganic, and polymer chemistry, electromagnetism, applied biochemistry, quantum mechanics for understanding nanoscale phenomena, the program also offers nanoscale solid state physics, nano-bio system, nano-optics, nano-photonic system, introductory nano-semiconductors, and other courses on various nanoscale principles and their applications. Especially, the program provides foundational education by experiments and practices along with the basic and applied classes to deepen the understanding of the nanoscale world and to promote practical research. This program provides research environment for students to pursue creative ideas in a class on the design of nano system and to explore research methodology in a class on the thesis of nano research.

### Career

Nano technology field provides a core foundation to create new growth engines for industries worldwide. Since the field covers most of advanced technologies for industries such as displays, semiconductors, chemicals, materials, bio, and energy as well as IT electronics, it provides opportunities to work for large domestic and international corporations. It also empowers students to demonstrate their research and development capabilities as researchers in government and private research institutes as well as faculty members in academia. Following undergraduate studies in NSE, more advanced research can be pursued in graduate programs from domestic and international schools.

### Faculty

World class faculty members from diverse fields and with experiences from related academic disciplines at Yonsei University provide education for the NSE major. Also, professionals and researchers from related industry and research institutes participate in educating and practicing on the industry trend and the development of future nano science and technology.

## ○ Curriculum Chart ○

Classification Abbreviation : UICE-UIC Elective, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MB	SED1001	INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING	3	3
2	MB	SED2001	PHYSICAL CHEMISTRY (1)	3	3
	MB	SED2004	FUNDAMENTALS OF QUANTUM PHYSICS	3	3
	MR	NSE2001	ELECTROMAGNETIC THEORY	3	3
	MR	NSE2002	INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY	3	3

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	MR	NSE2003	SOLID STATE CHEMISTRY	3	3
	ME	NSE2006	POLYMER SCIENCE, ENGINEERING AND LABORATORY	3	3
	ME	ESE2002	PHYSICAL CHEMISTRY (2)	3	3
	ME	SED2002	LAB ON ORGANIC CHEMISTRY	3	3(1)
	ME	SED2005	COMPUTER PROGRAMMING FOR ISED	3	2(2)
	ME	SED2006	INSTRUMENTAL ANALYSIS LABORATORY	3	3
	ME	SED2007	ORGANIC MATERIALS AND LABORATORY	3	3
	ME	SED2008	CLASSICAL MECHANICS	3	3
	ME	SED2009	MATHEMATICAL METHODS	3	3
	ME	SED2010	MATHEMATICAL METHODS (2)	3	3
	ME	UIC2003	UIC ORGANIC CHEMISTRY (2)	3	3(1)
	ME	UIC2004	UIC ORGANIC CHEMISTRY (1)	3	3
	ME	MAT2016	ENGINEERING MATHEMATICS(3)	3	3(1)
	ME	MAT2017	ENGINEERING MATHEMATICS(4)	3	3(1)
3	MR	SED3001	JUNIOR INDEPENDENT STUDY	3	3
	MR	NSE3001	NANO CHARACTERIZATION	3	3
	ME	EEE3210	PHYSICAL ELECTRONICS	3	3
	ME	EEE3240	ELECTRONIC MATERIALS	3	3
	ME	ESE3001	ENERGY ENGINEERING	3	3
	ME	ESE3006	TRANSPORT THEORY	3	3
	ME	ESE3007	ENERGY MATERIALS LABORATORY	3	3
	ME	IID3019	DEEP LEARNING	3	3
	ME	MST3510	COMPUTER MODELLING IN MATERIALS SCIENCE AND ENGINEERING	3	3
	ME	NSE3004	ELECTRONIC PROPERTIES OF MATERIALS	3	3
	ME	NSE3006	THERMODYNAMICS (1)	3	3
	ME	NSE3010	ADVANCED NANOSCIENCE	3	3
	ME	NSE3011	NANO-BIO TECHNOLOGY	3	3
	ME	NSE3012	NANO-BIO ANALYTICAL METHODS	3	3
	ME	SED3003	INTEGRATED SCIENCE LABORATORY	3	3
	ME	SED3004	ADVANCED ORGANIC MATERIALS AND LABORATORY	3	3
	ME	SED3005	COLLOIDAL NANOPARTICLES LABORATORY	3	3
	ME	SED3006	BASIC ELECTRONICS AND LAB	3	3
	ME	SED3007	INTRODUCTION TO DIGITAL CIRCUIT DESIGN	3	3
	ME	SED3008	MOLECULAR STRUCTURE DETERMINATION USING SPECTROSCOPIC METHODS	3	3
	ME	SED3009	QUANTUM MECHANICS	3	3
4	MR	NSE4001	NSE SENIOR THESIS	3	3
	ME	DAA3800	ELECTROCHEMICAL INDUSTRY	3	3(1)
	ME	DAA3830	QUANTUM MECHANICS FOR CHEMICAL ENGINEERING	3	3
	ME	ESE4002	NANO-ENERGY TECHNOLOGY	3	3
	ME	MST4490	MICROSYSTEM ENGINEERING	3	3
	ME	MST4550	ELECTRONIC CERAMICS	3	3
	ME	MST4890	PROCESSING OF NANOMATERIALS	3	3
	ME	MST4900	ENERGY HARVESTING SYSTEMS	3	3
	ME	NSE4003	COMPUTATIONAL APPROACH FOR NANO AND ENERGY TECHNOLOGY	3	3
	ME	NSE4004	NANOMATERIALS	3	3
	ME	NSE4005	NANOMATERIALS CRYSTALLOGRAPHY	3	3
	ME	SED4001	ISED CREATIVE RESEARCH	3	3
	ME	SED4002	INTRODUCTION TO NEURAL NETWORK	3	3

○ Major/Minor Requirements ○

- Basic Science Course Requirement
  - ISED students should take a minimum of 18 credits from basic science courses: Choose at least six courses from Calculus and Vector Analysis I&II, General Physics and Laboratory I&II, General Chemistry and Laboratory I&II, and General Biology and Laboratory I&II.
- Major: NSE majors are required to take 57 credits from the NSE courses, including 3 major basic courses and 6 major requisite courses (27 credits)
  - Major Basic (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, FUNDAMENTALS OF QUANTUM PHYSICS, PHYSICAL CHEMISTRY (1)
  - Major Requisite (18 credits)
    - INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY, SOLID STATE CHEMISTRY, ELECTROMAGNETIC THEORY, NANO-CHARACTERIZATION, JUNIOR INDEPENDENT STUDY, NSE SENIOR THESIS
- Double Major: Students who want to take NSE as a double major are required to fulfill 36 credits from the NSE courses, including 3 major basic courses and 6 major requisite courses (27 credits)
  - Major Basic (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, FUNDAMENTALS OF QUANTUM PHYSICS, PHYSICAL CHEMISTRY (1)
  - Major Requisite (18 credits)
    - INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY, SOLID STATE CHEMISTRY, ELECTROMAGNETIC THEORY, NANO-CHARACTERIZATION, JUNIOR INDEPENDENT STUDY, NSE SENIOR THESIS
- Minor: Total 18 credits taken from the NSE courses are required for the NSE minors. Requisite courses for the NSE minors, including 3 requisite courses (9 credits)
  - Major Requisite (9 credits)
    - INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY, FUNDAMENTALS OF QUANTUM PHYSICS, NANO-CHARACTERIZATION,

## ○ Course Descriptions ○

### SED1001 INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING

This course provides the fundamentals of integrated science and engineering particularly for freshmen students for the purpose of gaining preliminary understanding in the division's three majors: bio-convergence, energy and environmental science and engineering, and nano science and engineering. Practical examples with scientific basis will be given in order to stimulate interest in each major field.

### SED2001 PHYSICAL CHEMISTRY (1)

This course offers the basic physical chemical explanation of biological systems. Thermodynamics, including the concepts of enthalpy and entropy, will be studied to obtain a unified view of equilibrium and the direction of spontaneous change. Physical transformation of pure substance and the behavior of simple mixture will be discussed.

### SED2004 FUNDAMENTALS OF QUANTUM PHYSICS

Fundamentals of Quantum Physics covers fundamental concepts of quantum mechanics: wave properties, uncertainty principles, Schrödinger equation, and matrix method. Students are expected to have a working knowledge of the foundations, techniques, and key results of quantum mechanics upon finishing the course.

### NSE2001 ELECTROMAGNETIC THEORY

Electromagnetic Theory covers the basic principles of electromagnetism. Topics that will be covered in the class are electrostatics, magnetic fields of steady currents, motional e.m.f., and electromagnetic induction, Maxwell's equations, propagation and radiation of electromagnetic waves, electric and magnetic properties of matter, and conservation laws.

### NSE2002 INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY

This course covers the principles of materials science from bulk to nanoscale properties and biomimetic or nature-inspired approaches, while providing introductions to atomic arrangements, thermodynamics, kinetics, mechanics, electronic, magnetic, and optical properties, and basic nanoscale fabrication processes from top down to bottom up.

### NSE2003 SOLID STATE CHEMISTRY

Understanding structures and bonding in solids is very important in nanoscience. The interplay between crystal and electronic structure is the key in determining their properties. The crystal structure will be discussed introducing symmetry, lattices and unit cells, crystalline solids, lattice energy. Bonding theory such as free electron theory or molecular orbital theory will be introduced. Defects and non-stoichiometry will be introduced.

#### NSE2006 POLYMER SCIENCE, ENGINEERING AND LABORATORY

This course is designed to teach the basic concepts of polymer science and engineering. The laboratory courses are planned to help students to understand how polymer behave in solution state. Polymers in solution/gelation state are used as a template to prepare various meso/microporous metal oxides and its characterization.

#### ESE2002 PHYSICAL CHEMISTRY (2)

The object of this class is to understand basic ideas of chemical reaction kinetics starting from motion of molecules to the application of reaction rate laws to analyze the kinetics of various chemical reactions.

#### SED2002 LAB ON ORGANIC CHEMISTRY

The laboratory course is an introduction to the major concepts of chemical investigation, synthesis, spectroscopy, structure determination and most common laboratory synthetic, isolation and purification techniques. One of the objectives of this course is to familiarize students with standard laboratory settings. This includes using chemical reagents and chemical equipment, keeping professional laboratory notes and use safe laboratory techniques and procedures.

#### SED2005 COMPUTER PROGRAMMING FOR ISED

This course serves as a first course in programming and computer science using the C++ language, which is one of the most popular programming languages. No previous programming experience and no college-level mathematical backgrounds are required. Starting from the basics of programming, the topics of this course also cover the features of object oriented programming such as pointers and classes. Students are expected to learn computer programming theory from the instructor in lecture and to practice actual programming with the TA in two-hour exercise class in the UIC computer lab.

#### SED2006 INSTRUMENTAL ANALYSIS LABORATORY

This course explores the fundamental bases of chemical, analytical and instrumental analysis. It is designed to give the student a solid conceptual background and hands-on practice to understand how (1) UV-vis absorption spectroscopy, (2) fluorescence spectroscopy, (3) infrared spectroscopy, (4) polarimetry and (5) gas chromatography can be used to perform both qualitative and quantitative analysis to solve fundamental analytical problems.

#### SED2007 ORGANIC MATERIALS AND LABORATORY

Understanding basic organic chemistry. Exposure to laboratory for material synthesis and analysis. Understanding of research articles and presentation.

#### SED2008 CLASSICAL MECHANICS

This course presents an advanced treatment of Newtonian mechanics, including the Lagrangian and Hamiltonian formulations, central forces, systems of oscillators, non-inertial coordinates, and rigid-body motion. The course introduces powerful tools for attacking difficult problems in many areas of physics and engineering as well as theoretical bridges to other fields, including quantum mechanics and statistical mechanics.

#### SED2009 MATHEMATICAL METHODS

This course is an introduction to and survey of mathematics used in advanced courses in mathematics, science, and engineering. The course begins with a review of infinite series and power series, covers the linear algebra of vector spaces and linear operators, and treats in some detail the solution of ordinary and partial differential equations.

#### SED2010 MATHEMATICAL METHODS (2)

This course is an introduction to and survey of mathematics used in advanced courses in mathematics, science, and engineering. The course begins with a review of the algebra of complex numbers and covers complex infinite series and functions, reviews results from multivariable calculus and the calculus of vector fields, introduces the calculus of variations and tensor analysis, and treats in some detail special functions and the calculus of residues.

#### UIC2003 UIC ORGANIC CHEMISTRY (2)

The second half of two-semester sequence in modern organic chemistry. Synthesis, reactivity, properties and structure determination of aromatic compounds, alcohols, ethers, aldehydes, ketones, carboxylic acids, esters amides and amines will be covered in detailed. Mechanism of nucleophilic and electrophilic aromatic substitutions, oxidations, reduction and nucleophilic additions will be covered.

#### UIC2004 UIC ORGANIC CHEMISTRY (1)

The first half of two-semester sequence introduces the basic concepts of molecular orbitals, structures, stereochemistry, and conformations. Mechanism of nucleophilic, electrophilic and radical substitutions and electrophilic and nucleophilic

additions will be covered. Systematic treatment of alkanes, alkyl halides, alkenes and alkynes, and conjugated systems. Structure determination using molecular spectroscopy (nuclear magnetic resonance, NMR; infrared spectroscopy, IR; UV-vis absorption spectroscopy) and mass spectrometry, MS, will be explained in detailed.

#### MAT2016 ENGINEERING MATHEMATICS (3)

The purpose of this course is to analyze the formulation and solution of representative problems that arise in the physical sciences and are modeled by differential equations. In this course, students begin with studying ordinary differential equations and their applications including modeling and system. Students also study Legendre's equation, Bessel's equation, and Laplace transforms.

#### MAT2017 ENGINEERING MATHEMATICS (4)

Students will first study vector differential calculus and Fourier series which are of great importance to scientists and engineers. The importance of the Fourier series stems not only from the significance of their physical interpretations, but also the fact that Fourier analytic techniques are extremely powerful. Then, students will study partial differential equations which arise in connection with various physical and geometrical problems. Finally, the course covers data analysis, probability theory, and mathematical statistics.

#### SED3001 JUNIOR INDEPENDENT STUDY

This course is for an independent study in the field of various nano science and engineering topics under supervision of a faculty member.

#### NSE3001 NANO CHARACTERIZATION

This course covers the science and technology of analytical methods for nanoscale materials and processes. Topics include optical microscopy, scanning electron microscopy (SEM), scanning transmission electron microscopy (STEM), focused ion beam (FIB), atomic force microscopy (AFM), X-ray photoelectron spectroscopy (XPS), secondary ion mass spectrometry (SIMS), x-ray diffraction (XRD), Raman spectroscopy, Fourier transform infrared spectroscopy (FT-IR), spectrophotometer, zeta potential measurements, contact angle measurements, and other nanoscale characterization techniques.

#### EEE3210 PHYSICAL ELECTRONICS

This course is to develop an ability to understand various physical properties of electronic materials including semiconductors.

#### EEE3240 ELECTRONIC MATERIALS

This course is to develop an ability to understand various electronic materials. Students should have taken "Physics on Electronics" before taking this course.

#### ESE3001 ENERGY ENGINEERING

This course provides fundamental materials science and engineering. Then, it deals with renewable energy resources (e.g. solar cells, fuel cells) and energy harvesting systems (e.g. thermoelectric, piezoelectric), with a scientific examination of the energy field and an emphasis on the related materials. The course covers not only basic theories for energy materials and devices, but also practical applications.

#### ESE3006 TRANSPORT THEORY

Analysis of transport phenomena will be covered. Conservation equations of mass, energy, momentum, and the fundamentals of heat/mass transfer and fluid mechanics will be discussed. Scaling and approximation techniques will be introduced. Solution methods for conduction and diffusion problems, unidirectional flow, creeping flow, laminar flow, and forced-convection transfer will be discussed.

#### ESE3007 ENERGY MATERIALS LABORATORY

The course is an introduction to the major concepts of energy materials (polymers and inorganics), focusing on spectroscopy, structure/interaction analysis and energy-related devices. One of the objectives of this course is to familiarize students with standard laboratory settings related to energy materials. Basics on electrochemistry will be taught along with processes at electrode will be focused. Basics on supercapacitor and batteries will be explained. Electrode, electrolyte and separator used in these devices will be emphasized.

#### IID3019 DEEP LEARNING

This course introduces deep learning from a theoretical and practical perspective. Course objectives are as follows. Understand classical neural network architectures. Learn building blocks of deep learning architectures. Learn how to tune a deep learning models. Understand the architecture of Convolutional Neural Networks (CNNs). Get an overview of Recurrent Neural Networks (RNNs) and Generative Adversarial Networks (GANs). Acquire practical programming skills to conduct deep learning projects.

#### MST3510 COMPUTER MODELLING IN MATERIALS SCIENCE AND ENGINEERING

This course provides an introduction to fundamental concepts in computational materials science - with an emphasis

on atomic-scale simulation and design of nanomaterials. Many relevant case studies from fundamental research and industrial applications of advanced materials to nanotechnology will be used to exemplify the concepts taught. The final goal will be to utilize modern density-functional theory and advanced atomistic models to help interpret and understand the properties of real materials (e.g. electronic, magnetic and optical devices, sensors, catalysts and hard coatings).

#### NSE3004 ELECTRONIC PROPERTIES OF MATERIALS

This course intends to provide the principle of electronic materials and devices. It may be suitable for students who want to pursue the basic knowledge on electronic properties. Students will gain a broad picture about the basic materials science and certain critical applications including semiconductors, LED, solar cells, etc. It may be a very essential course for understanding nanotechnology and semiconducting devices as it covers fundamental backgrounds.

#### NSE3006 THERMODYNAMICS (1)

Thermodynamics considers the fundamental science of classical thermodynamics and its applications. Topics include heat, work, kinetic theory of gases, equation of state, thermodynamics system, control volume, first and second laws of thermodynamics, reversible and irreversible processes, and introduction to basic thermodynamic cycles.

#### NSE3010 ADVANCED NANOSCIENCE

This advanced nanoscience course will cover modern nanoscale materials, devices, and convergence systems which are emerging as key disciplines in future technologies. The new aspects of nanomaterials and devices which encompass exceptional optical, magnetic, and catalytic properties and their synthesis, isolation, characterizations as well as their scientific breakthroughs will be studied. Applications of such nanoscience based materials and devices are wide including fields of energy, biomedical sciences, and electronics.

#### NSE3011 NANO-BIO TECHNOLOGY

Nanobiotechnology is an emerging discipline in which tools from nanotechnology are developed and applied to biological phenomena. By the exploration of recent review and research articles, we will examine the current trends and future directions of this exciting field. Topics will include nanoparticle functionalization and visualization, the interaction of nanoparticles with living systems, organic nanoparticles, biomimicry, DNA origami, mechanobiology, and nanomedicine/theranostics.

#### NSE3012 NANO-BIO ANALYTICAL METHODS

This course is designed for students who are interested in advanced topics in modern fluorescence microscopic methodologies. The course will cover the basic principles of fluorescence microscopy and their applications in single-molecule and single-cell analysis. Also, recent tissue clearing and expansion microscopy will be covered for volumetric 3D tissue imaging and analysis.

#### SED3003 INTEGRATED SCIENCE LABORATORY

This course is intended to encourage students to participate in the frontier of contemporary nanoscience and nano-bio science. Students are subjected to get involved in research projects, which will help them to learn practicing scientific reasoning process and tackling non-trivial scientific questions. This course offers valuable opportunities for students to utilize various lab equipments from basic laboratory items to cutting-edge research instruments such as transmission electron microscope (TEM), magnetic resonance imaging (MRI), confocal microscope, X-ray diffractometer, HPLC, etc., which will motivate and help students to better understand the principles of nanoscience and nano-bio science. Each project will be assigned and supervised by mentors, who are specialized graduate students and post-docs, to enhance open discussion and one-to-one communication, which will allow students to improve their abilities of scientific thinking.

#### SED3004 ADVANCED ORGANIC MATERIALS AND LABORATORY

This course is designed to understand the synthesis process in the laboratory and read articles based on these materials. In the term project, each student will choose a research article based on their interest with a specific application to present in class. This laboratory course will be useful for the students for further research in graduate school or for joining a company.

#### SED3005 COLLOIDAL NANOPARTICLES LABORATORY

The laboratory course is an introduction to the major laboratory techniques for the solution synthesis of colloidal nanoparticles, their isolation, purification, characterization (spectroscopy, microscopy) and applications. One of the key objectives of this course is to familiarize students with standard laboratory settings. This includes using chemical reagents and chemical equipment, keeping professional laboratory notes and use safe laboratory techniques and procedures. The acquired skills and knowledge will prepare students for their careers after graduation, either in graduate school or in an industrial job.

#### SED3006 BASIC ELECTRONICS AND LAB

An introductory course covering theory and experiments in electronic circuits. All experiments will be conducted step by step under my instructions. Experimental circuits, as simple, funny, and interesting as possible, will be chosen. The classes will cover DC/AC circuit components such as resistors, capacitors, inductors, diodes and transistors, theories of operation of these circuit components, and later more complex circuits, including amplifiers, switching circuits, radio transmission/reception, instrument control, and digital electronics, will be discussed. The practical aspects of the use of common equipments such as multimeters also will be covered.

#### SED3007 INTRODUCTION TO DIGITAL CIRCUIT DESIGN

The fundamental knowledges of digital electronics that involve Oscillator, Logic gates, D/A and A/D conversions, Arithmetic operations in computers, Automations in machines, Reading sensors, and various types of equipment found in modern digital electronic devices.

#### SED3008 MOLECULAR STRUCTURE DETERMINATION USING SPECTROSCOPIC METHODS

The class is intended to be a practical introduction to using spectral tools to elucidate the structures of molecules and biomolecules. In the class we will discuss mainly nuclear magnetic resonance spectroscopy (NMR) and mass spectrometry (MS), and to a lesser extent infrared (IR), Raman, ultraviolet-visible (UV-vis), fluorescence spectroscopy. Chiroptical spectroscopy (circular dichroism, vibrational circular dichroism, optical rotatory dispersion, circularly polarized luminescence) will also be introduced. We will discuss the strength and weaknesses of all techniques. Recent examples from the literature and seminar talks presented by visitors will be discussed.

#### SED3009 QUANTUM MECHANICS

This course for advanced undergraduates is an introduction to the basic ideas and mathematical formalism of elementary, non-relativistic quantum mechanics. After considering elementary solutions of the Schrodinger equation, we consider the fundamental postulates and generalized statistical interpretation. The solution of the wave equation for the hydrogen atom leads to the study of angular momentum and spin, while the symmetrization postulate accounts for the behavior of identical particles. Approximation methods, such as perturbation theory and the variational principle, will be covered as time allows.

#### NSE4001 NSE SENIOR THESIS

Conduct a creative independent study to write up an undergraduate (bachelor's) thesis under the supervision of an academic advisor and a research assistant (mentor). Experience preliminary research of graduate school. Learn how to effectively interact with the advisor and mentor while making self-motivated progress in study.

#### DAA3800 ELECTROCHEMICAL INDUSTRY

This course covers the fundamental understanding on electrochemistry and related energy devices.

#### DAA3830 QUANTUM MECHANICS FOR CHEMICAL ENGINEERING

This course will introduce the fundamental concepts of quantum chemistry on the chemical engineering perspective. It will also provide elegant electronic structure theories to describe atomic/molecular interactions, chemical bonding and self-assembly, and optimization of chemical process for bio- and nano materials design. This class will guide how to utilize first-principles-based computational software to enhance the students' capability in solving various chemical engineering problems with deeper insights, before extensive experimental work. More interestingly, artificial intelligent, machine learning and deep-learning technique will be demonstrated with simple examples for engineering problems.

#### ESE4002 NANO-ENERGY TECHNOLOGY

Various energy systems based on nanomaterials and nanostructures are covered in this course. The principles and fundamental development trends concerning the nano-energy applications are provided. Examples of several energy systems including solar cells, fuel cells and batteries are specifically dealt as recent advances for future energy technology.

#### MST4490 MICROSYSTEM ENGINEERING

This course provides a wide range of correlated materials science and electronic & mechanical systems that can potentially be used in multidisciplinary research field.

#### MST4550 ELECTRONIC CERAMICS

This course intends to provide the principles, materials and applications, related to the field of electronic ceramics. It covers dielectric, ferroelectric, piezoelectric, pyroelectric, electro-optic and magnetic properties and major ceramic materials. Several important applications including wireless communications, displays, photovoltaics, sensors and electronic packaging are dealt in this course.

#### MST4890 PROCESSING OF NANOMATERIALS

The goal of this course is to understand the fundamentals of nano-and hetero-materials. This course will provide the students with the state-of-the-art knowledge on nanomaterials as well as the fabrication techniques. Particular emphasis will be placed on the synthesis of 0-, 1-, 2-, and 3-dimensional nanomaterials. Examples of advanced practical

applications of nanomaterials will include various functional devices such as display, energy, and electronic systems.

#### MST4900 ENERGY HARVESTING SYSTEMS

This course is related to the principles and materials technology of energy harvesting devices. It includes solar cells, micobatteries, and thermoelectric, electromagnetic and piezoelectric energy harvestors.

#### NSE4003 COMPUTATIONAL APPROACH FOR NANO AND ENERGY TECHNOLOGY

Many relevant case studies from fundamental research and industrial applications of advanced materials to nano and energy technologies will be used to exemplify the concepts taught. Our final goal will be to utilize modern computational models and simulation to help examine and understand the properties of nano and energy materials (e.g. electronic, magnetic and optical devices, sensors, catalysts and hard coatings). The materials presented in this course will focus primarily on the conceptual (chemical-physical) content while keeping the mathematical level basic, appropriate to the broad audience.

#### NSE4004 NANOMATERIALS

The goal of this course is (1) to understand how to design, synthesize, process, and characterize nanomaterials; (2) to introduce applications of nanomaterials in various fields; and (3) to be able to come up with creative ideas on the subject.

#### NSE4005 NANOMATERIALS CRYSTALLOGRAPHY

This course covers basic principles of symmetrical atomic arrangement in solid, such as metals, ionic crystals, and covalent crystals. It introduces concepts of symmetry, lattice, reciprocal lattice, types of crystal structures, physical properties of crystal, and basic diffraction theory.

#### SED4001 ISED CREATIVE RESEARCH

Students are expected to conduct an independent study with the guidance of supervisors whom each student should find and arrange with. Students will be expected to participate in on-going research projects or similar areas in the field to gain understanding and experience in research.

#### SED4002 INTRODUCTION TO NEURAL NETWORK

This course provides an introduction to basic neural network architecture and learning rules. Emphasis is placed on the mathematical analysis of these networks, on methods of training them and on their application to practical engineering problems in such areas as pattern recognition, signal processing, and control systems. The main objectives of this lecture are to explain basic concepts of the neural network, to train them, and to explain how neural network operates.

## ● ENERGY & ENVIRONMENTAL SCIENCE AND ENGINEERING ●

### **Goal**

The goal of the Energy & Environmental Science and Engineering (EESE) major is to bring to light global issues surrounding energy, global warming, and water to meet the needs of the future and to build a bridge to that future through today's energy and environmental technologies. The EESE major seeks to cultivate the next generation of researchers and policymakers, to promote leadership in a comprehensive interdisciplinary energy and environmental program, and to foster links and partnerships between the EESE major and the outside world to build an Asian hub in the field of energy and environment.

### **Curriculum**

Students will develop an understanding of today's energy and environmental technologies and will be able to create tomorrow's global energy and environmental marketplaces by building knowledge on topics such as clean fossil fuels, energy efficiency, green house gas reduction, resource recovery, renewable energy, and sustainable water technology, with an emphasis on economic development. In addition, the curriculum also includes basic knowledge to understand energy economy, energy and environmental policy, and technology evaluation.

### **Career**

Energy and environmental technology is vital for the world economy, for environmental protection, and for energy security. Education at EESE will launch students into successful careers in related industries because these industries move down the innovation spectrum to improve today's energy and environmental systems and to create tomorrow's global energy and environmental marketplaces. In addition, EESE graduates will also have career opportunities as public



and private policymakers working to overcome market-based and human behavioral barriers to economically efficient reductions of energy use and pollution.

#### Faculty

The most pressing problems facing energy and environmental issues and their interaction with various industrial fields, often requiring collaborative education from scholars versed in different disciplines. EESE draws its strength from faculty members across Yonsei University who make up a remarkable intellectual community of scholars and researchers from diverse fields including the Department of Chemical & Biomolecular Engineering, the Department of Mechanical Engineering, the Department of Civil & Environmental Engineering, the Department of Electrical & Electronic Engineering, and the Department of Atmospheric Sciences. In addition, specialists from environmental industries and national research institutes will participate in lectures to promote efficient technologies, systems, practices, and economic analysis, emphasizing economically attractive deployment.

### ○ Curriculum Chart ○

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MB	SED1001	INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING	3	3
2	MB	NSE2003	SOLID STATE CHEMISTRY	3	3
	MB	UIC2004	UIC ORGANIC CHEMISTRY (1)	3	3
	ME	UIC2003	UIC ORGANIC CHEMISTRY (2)	3	3
	ME	ESE2002	PHYSICAL CHEMISTRY (2)	3	3
	ME	MAT2016	ENGINEERING MATHEMATICS(3)	3	3(1)
	ME	MAT2017	ENGINEERING MATHEMATICS(4)	3	3(1)
	ME	NSE2006	POLYMER SCIENCE, ENGINEERING AND LABORATORY	3	3
	ME	SED2001	PHYSICAL CHEMISTRY (1)	3	3
	ME	SED2002	LAB ON ORGANIC CHEMISTRY	3	3(1)
	ME	SED2004	FUNDAMENTALS OF QUANTUM PHYSICS	3	3
	ME	SED2005	COMPUTER PROGRAMMING FOR ISED	3	2(2)
	ME	SED2006	INSTRUMENTAL ANALYSIS LABORATORY	3	3
	ME	SED2007	ORGANIC MATERIALS AND LABORATORY	3	3
	ME	SED2008	CLASSICAL MECHANICS	3	3
	ME	SED2009	MATHEMATICAL METHODS	3	3
	ME	SED2010	MATHEMATICAL METHODS (2)	3	3
	ME	SED3004	ADVANCED ORGANIC MATERIALS AND LABORATORY	3	3
	ME	UBC2004	ECOLOGY	3	3
3	MR	ESE3002	FLUID DYNAMICS	3	3
	MR	ESE3005	INTRODUCTION TO ENERGY/ENVIRONMENTAL SCIENCE AND ENGINEERING	3	3
	MR	ESE3006	TRANSPORT THEORY	3	3
	MR	NSE3006	THERMODYNAMICS (1)	3	3
	MR	SED3001	JUNIOR INDEPENDENT STUDY	3	3
	ME	CEE3203	ECOLOGICAL ENGINEERING	3	3
	ME	ESE3001	ENERGY ENGINEERING	3	3
	ME	ESE3004	UNDERSTANDING CLIMATE CHANGE SCIENCE	3	3
	ME	ESE3007	ENERGY MATERIALS LABORATORY	3	3
	ME	IID3019	DEEP LEARNING	3	3
	ME	MST4900	ENERGY HARVESTING SYSTEMS	3	3
	ME	NSE3010	ADVANCED NANOSCIENCE	3	3
	ME	SED3003	INTEGRATED SCIENCE LABORATORY	3	3
	ME	SED3005	COLLOIDAL NANOPARTICLES LABORATORY	3	3
	ME	SED3006	BASIC ELECTRONICS AND LAB	3	3
	ME	SED3007	INTRODUCTION TO DIGITAL CIRCUIT DESIGN	3	3
	ME	SED3008	MOLECULAR STRUCTURE DETERMINATION USING SPECTROSCOPIC METHODS	3	3
	ME	SED3009	QUANTUM MECHANICS	3	3
	ME	STP4001	SCIENCE,TECHNOLOGY,INNOVATION AND POLICY	3	3
4	MR	ESE4001	EESE SENIOR THESIS	3	3
	ME	CEE3406	ENGINEERING DESIGN OF ENVIRONMENTAL PROCESSES AND	3	3

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
			SYSTEMS		
	ME	CEE3414	WATER MANAGEMENT ENGINEERING	3	3(1)
	ME	CEE3415	SUSTAINABLE RESOURCE ENGINEERING	3	3
	ME	DAA3800	ELECTROCHEMICAL INDUSTRY	3	3(1)
	ME	DAA3830	QUANTUM MECHANICS FOR CHEMICAL ENGINEERING	3	3(1)
	ME	DAA4310	REACTION ENGINEERING	3	3
	ME	ESE4002	NANO-ENERGY TECHNOLOGY	3	3
	ME	NSE4003	COMPUTATIONAL APPROACH FOR NANO AND ENERGY TECHNOLOGY	3	3
	ME	NSE4005	NANOMATERIALS CRYSTALLOGRAPHY	3	3
	ME	SED4001	ISED CREATIVE RESEARCH	3	3
	ME	SED4002	INTRODUCTION TO NEURAL NETWORK	3	3

### ○ Major/Minor Requirements ○

- Basic Science Course Requirement
  - ISED students should take a minimum of 18 credits from basic science courses: Choose at least six courses from Calculus and Vector Analysis I&II, General Physics and Laboratory I&II, General Chemistry and Laboratory I&II, and General Biology and Laboratory I&II.
- Major: EESE majors are required to take 57 credits from the EESE courses, including 3 major basic courses and 6 major requisite courses (27 credits)
  - Major Basic (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, UIC ORGANIC CHEMISTRY (1), SOLID STATE CHEMISTRY
  - Major Requisite (18 credits)
    - FLUID DYNAMICS, THERMODYNAMICS (1), INTRODUCTION TO ENERGY/ENVIRONMENTAL SCIENCE AND ENGINEERING, TRANSPORT THEORY, JUNIOR INDEPENDENT STUDY, EESE SENIOR THESIS
- Double Major: Students who want to take EESE as a double major are required to fulfill 36 credits from the EESE courses including 3 major basic courses and 6 major requisite courses (27 credits)
  - Major Basic (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, UIC ORGANIC CHEMISTRY (1), SOLID STATE CHEMISTRY
  - Major Requisite (18 credits)
    - FLUID DYNAMICS, THERMODYNAMICS (1), INTRODUCTION TO ENERGY/ENVIRONMENTAL SCIENCE AND ENGINEERING, TRANSPORT THEORY, JUNIOR INDEPENDENT STUDY, EESE SENIOR THESIS
- Minor: Total 18 credits taken from the EESE courses are required for the EESE minors. Requisite courses for the EESE minors, including 3 requisite courses (9 credits)
  - Major Requisite (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, FLUID DYNAMICS, THERMODYNAMICS (1)

### ○ Course Descriptions ○

#### SED1001 INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING

This course provides the fundamentals of integrated science and engineering particularly for freshmen students for the purpose of gaining preliminary understanding in the division's three majors: bio-convergence, energy and environmental science and engineering, and nano science and engineering. Practical examples with scientific basis will be given in order to stimulate interest in each major field.

#### NSE2003 SOLID STATE CHEMISTRY

Understanding structures and bonding in solids is very important in nanoscience. The interplay between crystal and electronic structure is the key in determining their properties. The crystal structure will be discussed introducing symmetry, lattices and unit cells, crystalline solids, lattice energy. Bonding theory such as free electron theory or

molecular orbital theory will be introduced. Defects and non-stoichiometry will be introduced.

#### UIC2004 UIC ORGANIC CHEMISTRY (1)

The first half of two-semester sequence introduces the basic concepts of molecular orbitals, structures, stereochemistry, and conformations. Mechanism of nucleophilic, electrophilic and radical substitutions and electrophilic and nucleophilic additions will be covered. Systematic treatment of alkanes, alkyl halides, alkenes and alkynes, and conjugated systems. Structure determination using molecular spectroscopy (nuclear magnetic resonance, NMR; infrared spectroscopy, IR; UV-vis absorption spectroscopy) and mass spectrometry, MS, will be explained in detailed.

#### UIC2003 UIC ORGANIC CHEMISTRY (2)

The second half of two-semester sequence in modern organic chemistry. Synthesis, reactivity, properties and structure determination of aromatic compounds, alcohols, ethers, aldehydes, ketones, carboxylic acids, esters amides and amines will be covered in detailed. Mechanism of nucleophilic and electrophilic aromatic substitutions, oxidations, reduction and nucleophilic additions will be covered.

#### ESE2002 PHYSICAL CHEMISTRY (2)

The object of this class is to understand basic ideas of chemical reaction kinetics starting from motion of molecules to the application of reaction rate laws to analyze the kinetics of various chemical reactions.

#### MAT2016 ENGINEERING MATHEMATICS (3)

The purpose of this course is to analyze the formulation and solution of representative problems that arise in the physical sciences and are modeled by differential equations. In this course, students begin with studying ordinary differential equations and their applications including modeling and system. Students also study Legendre's equation, Bessel's equation, and Laplace transforms.

#### MAT2017 ENGINEERING MATHEMATICS (4)

Students will first study vector differential calculus and Fourier series which are of great importance to scientists and engineers. The importance of the Fourier series stems not only from the significance of their physical interpretations, but also the fact that Fourier analytic techniques are extremely powerful. Then, students will study partial differential equations which arise in connection with various physical and geometrical problems. Finally, the course covers data analysis, probability theory, and mathematical statistics.

#### NSE2006 POLYMER SCIENCE, ENGINEERING AND LABORATORY

This course is designed to teach the basic concepts of polymer science and engineering. The laboratory courses are planned to help students to understand how polymer behave in solution state. Polymers in solution/gelation state are used as a template to prepare various meso/microporous metal oxides and its characterization.

#### SED2001 PHYSICAL CHEMISTRY (1)

This course offers the basic physical chemical explanation of biological systems. Thermodynamics, including the concepts of enthalpy and entropy, will be studied to obtain a unified view of equilibrium and the direction of spontaneous change. Physical transformation of pure substance and the behavior of simple mixture will be discussed.

#### SED2002 LAB ON ORGANIC CHEMISTRY

The laboratory course is an introduction to the major concepts of chemical investigation, synthesis, spectroscopy, structure determination and most common laboratory synthetic, isolation and purification techniques. One of the objectives of this course is to familiarize students with standard laboratory settings. This includes using chemical reagents and chemical equipment, keeping professional laboratory notes and use safe laboratory techniques and procedures.

#### SED2004 FUNDAMENTALS OF QUANTUM PHYSICS

Fundamentals of Quantum Physics covers fundamental concepts of quantum mechanics: wave properties, uncertainty principles, Schrödinger equation, and matrix method. Students are expected to have a working knowledge of the foundations, techniques, and key results of quantum mechanics upon finishing the course.

#### SED2005 COMPUTER PROGRAMMING FOR ISED

This course provides advanced knowledges on high level computer language. Topics include input and output, flow of control, functions, arrays, and pointers, linked structures, recursive programming skill, use of dynamic storage, and implementation of abstract data types.

#### SED2006 INSTRUMENTAL ANALYSIS LABORATORY

This course explores the fundamental bases of chemical, analytical and instrumental analysis. It is designed to give the student a solid conceptual background and hands-on practice to understand how (1) UV-vis absorption spectroscopy, (2) fluorescence spectroscopy, (3) infrared spectroscopy, (4) polarimetry and (5) gas chromatography can be used to perform both qualitative and quantitative analysis to solve fundamental analytical problems.

#### SED2007 ORGANIC MATERIALS AND LABORATORY

Understanding basic organic chemistry. Exposure to laboratory for material synthesis and analysis. Understanding of research articles and presentation.

#### SED2008 CLASSICAL MECHANICS

This course presents an advanced treatment of Newtonian mechanics, including the Lagrangian and Hamiltonian formulations, central forces, systems of oscillators, non-inertial coordinates, and rigid-body motion. The course introduces powerful tools for attacking difficult problems in many areas of physics and engineering as well as theoretical bridges to other fields, including quantum mechanics and statistical mechanics.

#### SED2009 MATHEMATICAL METHODS

This course is an introduction to and survey of mathematics used in advanced courses in mathematics, science, and engineering. The course begins with a review of infinite series and power series, covers the linear algebra of vector spaces and linear operators, and treats in some detail the solution of ordinary and partial differential equations.

#### SED2010 MATHEMATICAL METHODS (2)

This course is an introduction to and survey of mathematics used in advanced courses in mathematics, science, and engineering. The course begins with a review of the algebra of complex numbers and covers complex infinite series and functions, reviews results from multivariable calculus and the calculus of vector fields, introduces the calculus of variations and tensor analysis, and treats in some detail special functions and the calculus of residues.

#### SED3004 ADVANCED ORGANIC MATERIALS AND LABORATORY

This course is designed to understand the synthesis process in the laboratory and read articles based on these materials. In the term project, each student will choose a research article based on their interest with a specific application to present in class. This laboratory course will be useful for the students for further research in graduate school or for joining a company.

#### UBC2004 ECOLOGY

This course targets students who are interested in ecology and environmental science. Objectives: (1) to study the relationships among organisms and between organisms and their environment, (2) to introduce students to various experimental approaches in ecology and environmental science, (3) to expand student understanding of natural systems, and (4) to explore human impacts on those natural systems.

#### ESE3002 FLUID DYNAMICS

This course introduces the basic fluid dynamic concepts. Hydrostatics, integral and differential control volume analyses, and non-dimensional analysis methods will be introduced. Then both internal and external viscous flow analysis techniques will be discussed. Application of such methods to designing various kinds of mechanical and aerospace vehicles will be covered as well.

#### ESE3005 INTRODUCTION TO ENERGY/ENVIRONMENTAL SCIENCE AND ENGINEERING

This course covers the basic principles of energy and environmental technologies, while providing introductions to clean fossil fuels, energy efficiency, greenhouse gas reduction, resource recovery, renewable energy, and sustainable water technology. The laboratory class is designed to provide hands-on experience to understand the basics of energy and environmental technologies.

#### ESE3006 TRANSPORT THEORY

Analysis of transport phenomena will be covered. Conservation equations of mass, energy, momentum, and the fundamentals of heat/mass transfer and fluid mechanics will be discussed. Scaling and approximation techniques will be introduced. Solution methods for conduction and diffusion problems, unidirectional flow, creeping flow, laminar flow, and forced-convection transfer will be discussed.

#### NSE3006 THERMODYNAMICS (1)

The course is the study of the transfer of energy among its many forms. Energy balance and transfer analysis is second only to the mass balance in importance in the design and analysis of chemical processes. The course is developed to study energy in the concern of the first law of thermodynamics and how efficiently energy can be converted from one form to another using the second law of thermodynamics.

#### SED3001 JUNIOR INDEPENDENT STUDY

This course is for an independent study in the field of various nano science and engineering topics under supervision of a faculty member.

#### CEE3203 ECOLOGICAL ENGINEERING

This course is to develop foundations for basic concepts in ecology, ecosystem ecology in particular. The course will introduce recent development in ecological engineering, focusing on constructed wetlands, restoration ecology, and human impact.

#### ESE3001 ENERGY ENGINEERING

This course provides fundamental materials science and engineering. Then, it deals with renewable energy resources (e.g. solar cells, fuel cells) and energy harvesting systems (e.g. thermoelectric, piezoelectric), with a scientific examination of the energy field and an emphasis on the related materials. The course covers not only basic theories for energy materials and devices, but also practical applications.

#### ESE3004 UNDERSTANDING CLIMATE CHANGE SCIENCE

Climate change is perhaps the most pressing global issue of our time. However, there is much misunderstanding of the underlying science (climatology, ecology, etc.), current changes on human and natural ecosystems, and predictions about the future of our planet's climate system. How are the atmosphere, geosphere, hydrosphere, and biosphere linked? What evidence confirms that climate zones are shifting? How do biological species, communities, and ecosystems react to disturbance and adapt to environmental change? What tools do scientists use to collect data and create mathematical models about global patterns? Ultimately, what should we as individuals and societies do with this knowledge and understanding? Students taking this course will not only become familiar with most of the concepts related to climate change but also they will be able to engage in discussion and debates with confidence.

#### ESE3007 ENERGY MATERIALS LABORATORY

The course is an introduction to the major concepts of energy materials (polymers and inorganics), focusing on spectroscopy, structure/interaction analysis and energy-related devices. One of the objectives of this course is to familiarize students with standard laboratory settings related to energy materials. Basics on electrochemistry will be taught along with processes at electrode will be focused. Basics on supercapacitor and batteries will be explained. Electrode, electrolyte and separator used in these devices will be emphasized.

#### IID3019 DEEP LEARNING

This course introduces deep learning from a theoretical and practical perspective. Course objectives are as follows. Understand classical neural network architectures. Learn building blocks of deep learning architectures. Learn how to tune a deep learning models. Understand the architecture of Convolutional Neural Networks (CNNs). Get an overview of Recurrent Neural Networks (RNNs) and Generative Adversarial Networks (GANs). Acquire practical programming skills to conduct deep learning projects.

#### MST4900 ENERGY HARVESTING SYSTEMS

This course is related to the principles and materials technology of energy harvesting devices. It includes solar cells, micobatteries, and thermoelectric, electromagnetic and priezoelectric energy harvestors.

#### NSE3010 ADVANCED NANOSCIENCE

This advanced nanoscience course will cover modern nanoscale materials, devices, and convergence systems which are emerging as key disciplines in future technologies. The new aspects of nanomaterials and devices which encompass exceptional optical, magnetic, and catalytic properties and their synthesis, isolation, characterizations as well as their scientific breakthroughs will be studied. Applications of such nanoscience based materials and devices are wide including fields of energy, biomedical sciences, and electronics.

#### SED3003 INTEGRATED SCIENCE LABORATORY

This course is intended to encourage students to participate in the frontier of contemporary nanoscience and nano-bio science. Students are subjected to get involved in research projects, which will help them to learn practicing scientific reasoning process and tackling non-trivial scientific questions. This course offers valuable opportunities for students to utilize various lab equipment from basic laboratory items to cutting-edge research instruments such as transmission electron microscope (TEM), magnetic resonance imaging (MRI), confocal microscope, X-ray diffractometer, HPLC, etc., which will motivate and help students to better understand the principles of nanoscience and nano-bio science. Each project will be assigned and supervised by mentors, who are specialized graduate students and post-docs, to enhance open discussion and one-to-one communication, which will allow students to improve their abilities of scientific thinking.

#### SED3005 COLLOIDAL NANOPARTICLES LABORATORY

The laboratory course is an introduction to the major laboratory techniques for the solution synthesis of colloidal nanoparticles, their isolation, purification, characterization (spectroscopy, microscopy) and applications. One of the key objectives of this course is to familiarize students with standard laboratory settings. This includes using chemical reagents and chemical equipment, keeping professional laboratory notes and use safe laboratory techniques and procedures. The acquired skills and knowledge will prepare students for their careers after graduation, either in graduate school or in an industrial job.

#### SED3006 BASIC ELECTRONICS AND LAB

An introductory course covering theory and experiments in electronic circuits. All experiments will be conducted step by step under my instructions. Experimental circuits, as simple, funny, and interesting as possible, will be chosen.

The classes will cover DC/AC circuit components such as resistors, capacitors, inductors, diodes and transistors, theories of operation of these circuit components, and later more complex circuits including amplifiers, switching circuits, radio transmission/reception, and instrument control, and digital electronics, will be discussed. The practical aspects of the use of common equipments such as multimeters also will be covered.

#### SED3007 INTRODUCTION TO DIGITAL CIRCUIT DESIGN

The fundamental knowledges of digital electronics that involve Oscillator, Logic gates, D/A and A/D conversions, Arithmetic operations in computers, Automations in machines, Reading sensors, and various types of equipment found in modern digital electronic devices.

#### SED3008 MOLECULAR STRUCTURE DETERMINATION USING SPECTROSCOPIC METHODS

The class is intended to be a practical introduction to using spectral tools to elucidate the structures of molecules and biomolecules. In the class we will discuss mainly nuclear magnetic resonance spectroscopy (NMR) and mass spectrometry (MS), and to a lesser extent infrared (IR), Raman, ultraviolet-visible (UV-vis), fluorescence spectroscopy. Chiroptical spectroscopy (circular dichroism, vibrational circular dichroism, optical rotatory dispersion, circularly polarized luminescence) will also be introduced. We will discuss the strength and weaknesses of all techniques. Recent examples from the literature and seminar talks presented by visitors will be discussed.

#### SED3009 QUANTUM MECHANICS

This course for advanced undergraduates is an introduction to the basic ideas and mathematical formalism of elementary, non-relativistic quantum mechanics. After considering elementary solutions of the Schrodinger equation, we consider the fundamental postulates and generalized statistical interpretation. The solution of the wave equation for the hydrogen atom leads to the study of angular momentum and spin, while the symmetrization postulate accounts for the behavior of identical particles. Approximation methods, such as perturbation theory and the variational principle, will be covered as time allows.

#### STP4001 SCIENCE, TECHNOLOGY, INNOVATION AND POLICY

New developments in all areas of science and technology have become deeply interwoven into all aspects of daily life and are among the most primary forces shaping the long-term trajectory of our social, economic, and political systems. The ability of nations to grow and prosper economically is dependent on their ability to harness the forces of technological change. Today it is common to speak of the knowledge economy in which the success of firms depends on their ability to manage innovation and technological change. Regions all aspire to be the next Silicon Valley and enact all kinds of policies to lure and support innovative firms.

#### ESE4001 EESE SENIOR THESIS

This class aims to earn skills about how to create research plans, perform individual research activities, and finally write a graduate-research thesis based on what students learned in undergraduate levels along with the supervision of undergraduate thesis advisors.

#### CEE3406 ENGINEERING DESIGN OF ENVIRONMENTAL PROCESSES AND SYSTEMS

The goal of this course is to teach about the the principles and applications of municipal and industrial wastewater treatatments with special emphases on biological processes. Principles and unit processes and whole system of wastewater collection and treament will be introduced. Kinetics and reactor design will be taught for bi-biological treatment processes. In addition, stormwater and collection systems in urban situations will be introduced and discussed in the course.

#### CEE3414 WATER MANAGEMENT ENGINEERING

The purpose of this course is to provide Engineering students with fundamental water treatment processes. Topics of the course cover the principle, design, and operation of physical and chemical water treatment processes.

#### CEE3415 SUSTAINABLE RESOURCE ENGINEERING

This course is to understand the impact of soil wastes in our environments. It includes introduction to theories and design concepts for soil waste controls and students will also learn about the new trends in recovery from useful resources from waster, and their impacts on local society.

#### DAA3800 ELECTROCHEMISTRY INDUSTRY

This course covers the fundamental understanding on electrochemistry and related energy devices.

#### DAA3830 QUANTUM MECHANICS FOR CHEMICAL ENGINEERING

This course will introduce the fundamental concepts of quantum chemistry on the chemical engineering perspective. It will also provide elegant electronic structure theories to describe atomic/molecular interactions, chemical bonding and self-assembly, and optimization of chemical process for bio- and nanomaterial design. In addition, this class will teach utilization of quantum mechanics software to enhance the students' capability solving various chemical engineering problems with deeper insights before extensive experimental work.

#### DAA4310 REACTION ENGINEERING

The objectives of this class are learning mathematical analysis on various chemical reactions and its application to the reactor design. To achieve these objectives, reaction kinetics and reactor design are to be deeply discussed.

Detailed issues are the basic reactor design, reaction kinetics, chemical reaction mechanism, and catalysis. In the reactor design part, batch and continuous reactor design equations are covered. Determination of reaction kinetic constant, reaction rate, and application to the reactor is covered in kinetics part. In addition, the reaction rate is to be understood from the chemical reaction mechanism. Finally, issues on catalysis and chemical reaction with mass transfer are to be discussed.

#### ESE4002 NANO-ENERGY TECHNOLOGY

Various energy systems based on nanomaterials and nanostructures are covered in this course. The principles and fundamental development trends concerning the nano-energy applications are provided. Examples of several energy systems including solar cells, fuel cells and batteries are specifically dealt as recent advances for future energy technology.

#### NSE4003 COMPUTATIONAL APPROACH FOR NANO AND ENERGY TECHNOLOGY

Many relevant case studies from fundamental research and industrial applications of advanced materials to nano and energy technologies will be used to exemplify the concepts taught. Our final goal will be to utilize modern computational models and simulation to help examine and understand the properties of nano and energy materials (e.g. electronic, magnetic and optical devices, sensors, catalysts and hard coatings). The materials presented in this course will focus primarily on the conceptual (chemical-physical) content while keeping the mathematical level basic, appropriate to the broad audience.

#### NSE4005 NANOMATERIALS CRYSTALLOGRAPHY

This course covers basic principles of symmetrical atomic arrangement in solid, such as metals, ionic crystals, and covalent crystals. It introduces concepts of symmetry, lattice, reciprocal lattice, types of crystal structures, physical properties of crystal, and basic diffraction theory.

#### SED4001 ISCED CREATIVE RESEARCH

Students are expected to conduct an independent study with the guidance of supervisors who each student should find and arrange with. Students will be expected to participate in on-going research projects or similar areas in the field to gain understanding and experience in research.

#### SED4002 INTRODUCTION TO NEURAL NETWORK

This course provides an introduction to basic neural network architecture and learning rules. Emphasis is placed on the mathematical analysis of these networks, on methods of training them and on their application to practical engineering problems in such areas as pattern recognition, signal processing, and control systems. The main objectives of this lecture are to explain basic concepts of the neural network, to train them, and to explain how neural network operates.

## ● BIO-CONVERGENCE ●

### **Goal**

Bioconvergence is a biology-centered multidisciplinary major for academically strong students who are interested in pursuing bio-related industrial or academic careers that require strong background knowledge in chemistry, physics, and mathematics. Bioconvergence encompasses discovery and innovation in areas ranging from biotechnology (e.g. drug discovery) to bionanotechnology (e.g. development of bio-inspired materials), to biological and biochemical engineering (e.g. biomimetics), to environmental science (e.g. converting biomass to biofuels) and more. The BC major integrates theoretical and practical, hands-on laboratory courses and provides a creative, student-centered environment for the development of general intellectual and logical capacities as well as strong reasoning skills.

### **Curriculum**

The stimulating environment of the Bioconvergence major within Underwood International College offers a wealth of opportunities for learning and research, and provides BC students the knowledge and skills to become the next generation of leaders in industry and academia. The Bioconvergence curriculum lays the groundwork for strong scientific training with basic coursework in biology as well as in chemistry, mathematics, and physics. Students will gain deep

understanding of fundamental scientific principles and learn to apply knowledge to solve open questions in science. The curriculum is designed to prepare student in scientific reasoning and the experimental process, including formulating questions about biological processes based on current knowledge, formulating hypothesis to guide experimental inquiry, designing and performing experiments, and interpreting and critically evaluating data. Students will acquire proficiency in scientific literature and communication as well. The flexible curriculum allows students to tailor their programs to fit personal interests or career aspirations.

#### Career

BC students who complete the curriculum satisfactorily will be well prepared for post-graduate degrees in the biology, biotechnology, chemistry, biophysics, bioengineering, nanoscience or healthcare, as well as prepared to assume professional positions (i) in biological, environmental, cosmetic, pharmaceutical, biochemical, healthcare or biotechnology industries, or (ii) in patent law, technology transfer, regulatory affairs, intellectual property, or business consulting.

#### Faculty

BC major classes and laboratory courses are taught by ISSED faculty who have teaching and research experiences from prestigious US, European and Korean universities. The BC faculty provides a stimulating, learning-focus environment where students are encouraged to ask questions and share knowledge.

### ○ Curriculum Chart ○

Classification Abbreviation : UICE-UIC Elective, MR-Major Requisite, ME-Major Elective

YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
1	MB	SED1001	INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING	3	3
2	MB	SED2001	PHYSICAL CHEMISTRY (1)	3	3
	MB	UBC2005	ISE BIOCHEMISTRY (1)	3	3
	MR	UBC2002	CELL BIOLOGY (1)	3	3
	MR	UIC2003	UIC ORGANIC CHEMISTRY (2)	3	3
	MR	UIC2004	UIC ORGANIC CHEMISTRY (1)	3	3
	ME	BTE2202	GENERAL MICROBIOLOGY	3	3
	ME	NSE2002	INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY	3	3
	ME	SED2002	LAB ON ORGANIC CHEMISTRY	3	3(1)
	ME	SED2004	FUNDAMENTALS OF QUANTUM PHYSICS	3	3
	ME	SED2005	COMPUTER PROGRAMMING FOR ISSED	3	2(2)
	ME	SED2006	INSTRUMENTAL ANALYSIS LABORATORY	3	3
	ME	SED2007	ORGANIC MATERIALS AND LABORATORY	3	3
	ME	SED2008	CLASSICAL MECHANICS	3	3
	ME	SED2009	MATHEMATICAL METHODS	3	3
	ME	SED2010	MATHEMATICAL METHODS (2)	3	3
	ME	UBC2003	CELL BIOLOGY (2)	3	3
	ME	UBC2004	ECOLOGY	3	3
3	MR	SED3001	JUNIOR INDEPENDENT STUDY	3	3
	ME	UBC3001	INDUSTRIAL BIOCONVERGENCE	3	3
	MR	UBC3007	ISE MOLECULAR BIOLOGY	3	3
	ME	SED3005	COLLOIDAL NANOPARTICLES LABORATORY	3	3
	ME	SED3008	MOLECULAR STRUCTURE DETERMINATION USING SPECTROSCOPIC METHODS	3	3
	ME	SED3009	QUANTUM MECHANICS	3	3
	ME	LSB3102	BIOCHEMISTRY (2)	3	3
3,4	ME	UBC3002	LAB ON BIOCHEMISTRY AND MOLECULAR BIOLOGY	3	3
	ME	UBC3005	PHYSIOLOGY	3	3
	ME	ESE3004	UNDERSTANDING CLIMATE CHANGE SCIENCE	3	3
	ME	NSE3011	NANO-BIO TECHNOLOGY	3	3
	ME	NSE3012	NANO-BIO ANALYTICAL METHODS	3	3
4	ME	SED3003	INTEGRATED SCIENCE LABORATORY	3	3
	ME	UBC3006	EPIGENETICS AND HUMAN DISEASE	3	3
	ME	UBC4007	BIOTECHNOLOGY	3	3
	MR	UBC4001	BC SENIOR THESIS	3	3



YR	CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
	ME	NSE4004	NANOMATERIALS	3	3
	ME	SED4001	ISED CREATIVE RESEARCH	3	3
	ME	SED4002	INTRODUCTION TO NEURAL NETWORK	3	3
	ME	UBC4002	CHEMICAL BIOLOGY	3	3
	ME	UBC4004	NEUROGENERATIVE DISORDERS	3	3
	ME	UBC4005	CONCEPTS IN BIOINFORMATICS	3	3
	ME	UBC4006	INTRODUCTION TO COMPUTATIONAL NEUROSCIENCE	3	3

### ○ Major/Minor Requirements ○

- Basic Science Course Requirement
  - ISED students should take a minimum of 18 credits from basic science courses: Choose at least six courses from Calculus and Vector Analysis I&II, General Physics and Laboratory I&II General Chemistry and Laboratory I&II, and General Biology and Laboratory I&II. We strongly recommend that BC students take all 8 courses.
- Major: BC majors are required to take 57 credits from the BC major courses, including 3 major basic courses and 6 major requisite courses (27 credits)
  - Major Basic (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, PHYSICAL CHEMISTRY (1), ISE BIOCHEMISTRY (1)
  - Major Requisite (18 credits)
    - CELL BIOLOGY (1), UIC ORGANIC CHEMISTRY (1), UIC ORGANIC CHEMISTRY (2), ISE MOLECULAR BIOLOGY, JUNIOR INDEPENDENT STUDY, BC SENIOR THESIS
- Double Major: Students who want to take BC as a double major are required to fulfill 36 credits from the BC major courses including 3 major basic courses and 6 major requisite courses (27 credits)
  - Major Basic (9 credits)
    - INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING, PHYSICAL CHEMISTRY (1), ISE BIOCHEMISTRY (1)
  - Major Requisite (18 credits)
    - CELL BIOLOGY (1), UIC ORGANIC CHEMISTRY (1), UIC ORGANIC CHEMISTRY (2), ISE MOLECULAR BIOLOGY, JUNIOR INDEPENDENT STUDY, BC SENIOR THESIS
- Minor: Total 18 credits taken from the BC major courses are required for the BC minors.

### ○ Course Descriptions ○

#### SED1001 INTRODUCTION TO INTEGRATED SCIENCE AND ENGINEERING

This course provides the fundamentals of integrated science and engineering particularly for freshmen students for the purpose of gaining preliminary understanding in the division's three majors: bio-convergence, energy and environmental science and engineering, and nano science and engineering. Practical examples with scientific basis will be given in order to stimulate interest in each major field.

#### SED2001 PHYSICAL CHEMISTRY (1)

This course offers the basic physical chemical explanation of biological systems. Thermodynamics, including the concepts of enthalpy and entropy, will be studied to obtain a unified view of equilibrium and the direction of spontaneous change. Physical transformation of pure substance and the behavior of simple mixture will be discussed.

#### UBC2005 ISE BIOCHEMISTRY (1)

Biochemistry asks how the remarkable properties of living organisms arise from various lifeless bio-molecules. From physical and chemical laws governing complex life phenomena, the course offers basic understanding of metabolism, structure and function of biomolecules such as carbohydrate, lipid, proteins, and nucleic acids.

#### UBC2002 CELL BIOLOGY (1)

The main goals of this class are to understand basic cell biology and to develop scientific thinking skill. The class

will cover an overview of cell structure and function including protein function, biomembrane structure and function, and cell signaling.

#### UIC2003 UIC ORGANIC CHEMISTRY (2)

The second half of two-semester sequence in modern organic chemistry. Synthesis, reactivity, properties and structure determination of aromatic compounds, alcohols, ethers, aldehydes, ketones, carboxylic acids, esters amides and amines will be covered in detailed. Mechanism of nucleophilic and electrophilic aromatic substitutions, oxidations, reduction and nucleophilic additions will be covered.

#### UIC2004 UIC ORGANIC CHEMISTRY (1)

The first half of two-semester sequence introduces the basic concepts of molecular orbitals, structures, stereochemistry, and conformations. Mechanism of nucleophilic, electrophilic and radical substitutions and electrophilic and nucleophilic additions will be covered. Systematic treatment of alkanes, alkyl halides, alkenes and alkynes, and conjugated systems. Structure determination using molecular spectroscopy (nuclear magnetic resonance, NMR; infrared spectroscopy, IR; UV-vis absorption spectroscopy) and mass spectrometry, MS, will be explained in detailed.

#### BTE2202 GENERAL MICROBIOLOGY

This lecture covers the first half of the textbook, Brock Biology of Microorganisms, including structures and functions of cells, microbial physiology, gene expression and regulation, and introduction to virology. Students will learn about the life of microorganisms and viruses and how microbiology provides basic and essential concepts useful in diverse fields of biological science and biotechnology.

#### NSE2002 INTRODUCTION TO NANOTECHNOLOGY AND LABORATORY

This course covers the principles of materials science from bulk to nanoscale properties and biomimetic or nature-inspired approaches, while providing introductions to atomic arrangements, thermodynamics, kinetics, mechanics, electronic, magnetic, and optical properties, and basic nanoscale fabrication processes from top down to bottom up.

#### SED2002 LAB ON ORGANIC CHEMISTRY

The laboratory course is an introduction to the major concepts of chemical investigation, synthesis, spectroscopy, structure determination and most common laboratory synthetic, isolation and purification techniques. One of the objectives of this course is to familiarize students with standard laboratory settings. This includes using chemical reagents and chemical equipment, keeping professional laboratory notes and use safe laboratory techniques and procedures.

#### SED2004 FUNDAMENTALS OF QUANTUM PHYSICS

Fundamentals of Quantum Physics covers fundamental concepts of quantum mechanics: wave properties, uncertainty principles, Schrödinger equation, and matrix method. Students are expected to have a working knowledge of the foundations, techniques, and key results of quantum mechanics upon finishing the course.

#### SED2005 COMPUTER PROGRAMMING FOR ISED

This course serves as a first course in programming and computer science using the C++ language, which is one of the most popular programming languages. No previous programming experience and no college-level mathematical backgrounds are required. Starting from the basics of programming, the topics of this course also cover the features of object oriented programming such as pointers and classes. Students are expected to learn computer programming theory from the instructor in lecture and to practice actual programming with the TA in two-hour exercise class in the UIC computer lab.

#### SED2006 INSTRUMENTAL ANALYSIS LABORATORY

This course explores the fundamental bases of chemical, analytical and instrumental analysis. It is designed to give the student a solid conceptual background and hands-on practice to understand how (1) UV-vis absorption spectroscopy, (2) fluorescence spectroscopy, (3) infrared spectroscopy, (4) polarimetry and (5) gas chromatography can be used to perform both qualitative and quantitative analysis to solve fundamental analytical problems.

#### SED2007 ORGANIC MATERIALS AND LABORATORY

Understanding basic organic chemistry. Exposure to laboratory for material synthesis and analysis. Understanding of research articles and presentation.

#### SED2008 CLASSICAL MECHANICS

This course presents an advanced treatment of Newtonian mechanics, including the Lagrangian and Hamiltonian formulations, central forces, systems of oscillators, non-inertial coordinates, and rigid-body motion. The course introduces powerful tools for attacking difficult problems in many areas of physics and engineering as well as theoretical bridges to other fields, including quantum mechanics and statistical mechanics.

#### SED2009 MATHEMATICAL METHODS

This course is an introduction to and survey of mathematics used in advanced courses in mathematics, science, and

engineering. The course begins with a review of infinite series and power series, covers the linear algebra of vector spaces and linear operators, and treats in some detail the solution of ordinary and partial differential equations.

#### SED2010 MATHEMATICAL METHODS (2)

This course is an introduction to and survey of mathematics used in advanced courses in mathematics, science, and engineering. The course begins with a review of the algebra of complex numbers and covers complex infinite series and functions, reviews results from multivariable calculus and the calculus of vector fields, introduces the calculus of variations and tensor analysis, and treats in some detail special functions and the calculus of residues.

#### UBC2003 CELL BIOLOGY (2)

We will study about cell organization and cell development with emphasis on cytoskeletal elements, differentiation of cells into tissues, and programmed cell death.

#### UBC2004 ECOLOGY

This course targets students who are interested in ecology and environmental science. Objectives: (1) to study the relationships among organisms and between organisms and their environment, (2) to introduce students to various experimental approaches in ecology and environmental science, (3) to expand student understanding of natural systems, and (4) to explore human impacts on those natural systems.

#### SED3001 JUNIOR INDEPENDENT STUDY

This course will be the independent research program in which UIC student will choose the laboratory with his/her research interest at the beginning of his/her sophomore. The competitive research project will be assigned to a student and the research experiments using the advanced biotechnological tools will be carried out independently in the laboratory until his/her graduation.

#### UBC3001 INDUSTRIAL BIOCONVERGENCE

This course targets students who are interested in industrial applications and translation/commercialization of products prepared through bioconvergence technologies. The students who are interested in the clinical impact of biomedical sciences are encouraged to take this course.

#### UBC3007 ISE MOLECULAR BIOLOGY

This course will focus on the detailed mechanisms associated with genes and how gene expression is regulated in prokaryotes and in eukaryotes. Specific topics will include DNA replication, genome organization, transcription, RNA processing, translation, and RNA interference.

#### SED3005 COLLOIDAL NANOPARTICLES LABORATORY

The laboratory course is an introduction to the major laboratory techniques for the solution synthesis of colloidal nanoparticles, their isolation, purification, characterization (spectroscopy, microscopy) and biological and environmental applications. One of the key objectives of this course is to familiarize students with standard laboratory settings. This includes using chemical reagents and chemical equipment, keeping professional laboratory notes and use safe laboratory techniques and procedures.

#### SED3008 MOLECULAR STRUCTURE DETERMINATION USING SPECTROSCOPIC METHODS

The class is intended to be a practical introduction to using spectral tools to elucidate the structures of molecules and biomolecules. In the class we will discuss mainly nuclear magnetic resonance spectroscopy (NMR) and mass spectrometry (MS), and to a lesser extent infrared (IR), Raman, ultraviolet-visible (UV-vis), fluorescence spectroscopy. Chiroptical spectroscopy (circular dichroism, vibrational circular dichroism, optical rotatory dispersion, circularly polarized luminescence) will also be introduced. We will discuss the strength and weaknesses of all techniques. Recent examples from the literature and seminar talks presented by visitors will be discussed.

#### SED3009 QUANTUM MECHANICS

This course for advanced undergraduates is an introduction to the basic ideas and mathematical formalism of elementary, non-relativistic quantum mechanics. After considering elementary solutions of the Schrodinger equation, we consider the fundamental postulates and generalized statistical interpretation. The solution of the wave equation for the hydrogen atom leads to the study of angular momentum and spin, while the symmetrization postulate accounts for the behavior of identical particles. Approximation methods, such as perturbation theory and the variational principle, will be covered as time allows.

#### LSB3102 BIOCHEMISTRY (2)

From basic understanding of metabolism, structure and function of bio-molecules and their interactions governing complex life phenomena, the course aims to offer applications of fundamental principles of biochemistry for various human needs.

#### UBC3002 LAB ON BIOCHEMISTRY & MOLECULAR BIOLOGY

This class is very interactive lab course covering general molecular biology techniques. Students will perform various

experiments covering such topics as DNA isolation, PCR, gene cloning, protein expression and purification, enzyme assays, cell culture, and virus infection.

#### UBC3005 PHYSIOLOGY

This course is intended to provide the basic concept about various physiological systems of a human body, the components of each physiological system, molecular and cellular phenomena for physiological reactions. The second half of the course will cover the molecular and cellular aspects of how body system can react to various body conditions and the experimental strategies to develop the novel therapeutics for the regulation of physiological systems.

#### ESE3004 UNDERSTANDING CLIMATE CHANGE SCIENCE

Climate change is perhaps the most pressing global issue of our time. However, there is much misunderstanding of the underlying science (climatology, ecology, etc.), current changes on human and natural ecosystems, and predictions about the future of our planet's climate system. How are the atmosphere, geosphere, hydrosphere, and biosphere linked? What evidence confirms that climate zones are shifting? How do biological species, communities, and ecosystems react to disturbance and adapt to environmental change? What tools do scientists use to collect data and create mathematical models about global patterns? Ultimately, what should we as individuals and societies do with this knowledge and understanding? Students taking this course will not only become familiar with most of the concepts related to climate change but also they will be able to engage in discussion and debates with confidence.

#### NSE3011 NANO-BIO TECHNOLOGY

Nanobiotechnology is an emerging discipline in which tools from nanotechnology are developed and applied to biological phenomena. By exploration of recent review and research articles, we will examine the current trends and future directions of this exciting field. Topics will include nanoparticle functionalization and visualization, the interaction of nanoparticles with living systems, organic nanoparticles, biomimicry, DNA origami, mechanobiology, and nanomedicine/theranostics.

#### NSE3012 NANO-BIO ANALYTICAL METHODS

This course is designed for students who are interested in advanced topics in modern fluorescence microscopic methodologies. The course will cover the basic principles of fluorescence microscopy and their applications in single-molecule and single-cell analysis. Also, recent tissue clearing and expansion microscopy will be covered for volumetric 3D tissue imaging and analysis.

#### SED3003 INTEGRATED SCIENCE LABORATORY

This course is intended to encourage students to participate in the frontier of contemporary nanoscience and nano-bio science. Students are subjected to get involved in research projects, which will help them to learn practicing scientific reasoning process and tackling non-trivial scientific questions. This course offers valuable opportunities for students to utilize various lab equipment from basic laboratory items to cutting-edge research instruments such as transmission electron microscope (TEM), magnetic resonance imaging (MRI), confocal microscope, X-ray diffractometer, HPLC, etc., which will motivate and help students to better understand the principles of nanoscience and nano-bio science. Each project will be assigned and supervised by mentors, who are specialized graduate students and post-docs, to enhance open discussion and one-to-one communication, which will allow students to improve their abilities of scientific thinking.

#### UBC3006 EPIGENETICS AND HUMAN DISEASE

It is now clear that DNA sequence alone is not enough to explain the large range of variations in gene expression. This course will provide an introduction to epigenetic gene regulation dealing with chromatin structure, DNA methylation, and non-coding RNA, and further explore the role of epigenetic modifications in various human diseases, from cancer to obesity.

#### UBC4001 BC SENIOR THESIS

Students plan and carry out independent research under the direction of a faculty sponsor, submit a BC thesis, submit laboratory notebook, and give an oral presentation. While the main responsibility of advising rests with the advisor chosen by the student, the BC chair will monitor the progress made in research as well as the writing of the thesis. Possible projects include experimental biology-related research (in a wet lab or a computational lab) or extensive, critical literature review on an advanced biology-related topic.

#### UBC4007 BIOTECHNOLOGY

This course gives students an opportunity to understand the recent developments in biotechnology. Each topic will start with basic biological concepts and then proceed into fields of research and techniques that have made a significant contribution to the progress of science and the quality of life in our modern world. Students will also learn how to analyze research articles while articles related to selected topics are reviewed. Future potentials and concerns

of several biotechnological methods will also be discussed.

#### NSE4004 NANOMATERIALS

The goal of this course is (1) to understand how to design, synthesize, process, and characterize nanomaterials; (2) to introduce applications of nanomaterials in various fields; and (3) to be able to come up with creative ideas on the subject.

#### SED4001 ISED CREATIVE RESEARCH

Students are expected to conduct an independent study with guidance of supervisors who each student should find and arrange with. Students will be expected to participate in on-going research projects or similar areas in the field to gain understanding and experience in research.

#### SED4002 INTRODUCTION TO NEURAL NETWORK

This course provides an introduction to basic neural network architecture and learning rules. Emphasis is placed on the mathematical analysis of these networks, on methods of training them and on their application to practical engineering problems in such areas as pattern recognition, signal processing, and control systems. The main objectives of this lecture are to explain basic concepts of the neural network, to train them, and to explain how neural network operates.

#### UBC4002 CHEMICAL BIOLOGY

This course focuses on the interface between chemistry and biology with an emphasis on the identification, design, synthesis, and application of biologically active small molecules. Such small molecules may be used to study fundamental biological processes or they may be developed as therapeutic agents targeting specific diseases.

#### UBC4004 NEUROGENERATIVE DISORDERS

This course targets students who are interested in Neurobiology and Drug Discovery of Neurodegenerative Disorders.

#### UBC4005 CONCEPTS IN BIOINFORMATICS

Lecture will begin with the object of biological data for bioinformatics and learn how to collect and manage bioinformatics data, then cover the computational tools for the analysis the biological data. It includes statistical, mechanical, and knowledge based methods, and finally design prediction model for some biological systems.

#### UBC4006 INTRODUCTION TO COMPUTATIONAL NEUROSCIENCE

This introductory course teaches students to understand, simulate, and analyze the complex behaviors of individual neurons and brain circuits. This course also provides one hour computer exercise lab per week that guide students in producing models of neural behavior with the associated Matlab code. From these models, students learn how individual neurons function and how connected neurons cooperate in a circuit. The course first presents essential background in neuroscience, physics, mathematics, and Matlab, with explanations illustrated by many example problems. Subsequent lectures cover the neuron and spike production; single spike trains and the underlying cognitive processes; conductance-based models; the simulation of synaptic connections; firing-rate models of large-scale circuit operation; dynamical systems and their components; synaptic plasticity; and techniques for analysis of neuron population datasets, including principal components analysis, hidden Markov modeling, and Bayesian decoding. This course is accessible to undergraduate students in life sciences with limited background in mathematics and computer coding.

## ● KOREAN STUDIES ●

The Korean Studies minor at Underwood International College allows students to take courses from one of the most comprehensive Korean Studies programs in the world. Yonsei has an illustrious tradition of pioneering the development of Korean Studies, and the founding of UIC allows the university to take a leading role in the development of an English language curriculum for teaching about Korea. UIC's Korean Studies Minor is designed to provide both a broad range of knowledge as well as specialization. The UIC Korean Studies program offers courses on all aspects of Korean Studies including but not limited to history, culture, literature, film, politics, economics, business, international relations, and globalization. These courses from a variety of different disciplines will combine to constitute the Korean Studies Minor. By gaining a broad exposure to several distinct fields, each related through Korea, students minoring in Korean Studies will be able to graduate with dual competencies in both their major subjects and Korea.

○ Curriculum Chart ○

CLS	COURSE CODE	COURSE TITLE	CR	LEC (LAB)
UICE	UIC1801	INTRODUCTION TO KOREAN STUDIES	3	3(0)
UICE	UIC3112	SOCIAL CHANGE IN MODERN KOREA	3	3(0)
CC	UIC3528	TOPICS IN LITERARY TRANSLATION	3	3(0)
ME	CLC2101	SURVEY OF KOREAN LITERATURE	3	3(0)
ME	CLC2102	KOREAN AND JAPANESE LITERATURE FROM THE COLONIAL PERIOD	3	3(0)
ME	CLC2104	KOREAN STUDIES AND VISUAL ART	3	3(0)
ME	CLC2105	KOREAN AMERICAN WRITERS	3	3(0)
ME	CLC2108	MODERN KOREAN LITERATURE IN TRANSLATION	3	3(0)
ME	CLC3101	RETHINKING KOREAN NATIONAL LITERATURE AND IDENTITY	3	3(0)
ME	CLC3102	CULTURAL SEMIOTICS IN EAST ASIA II	3	3(0)
ME	CLC3103	KOREAN FILM STUDIES	3	3(0)
ME	CLC4703	KOREAN DIASPORA IN LITERATURE	3	3(0)
ME	CLC4711	RELIGION AND CULTURE(1): EAST ASIAN RELIGION AND CULTURE	3	3(0)
ME	ECO2109	KOREAN ECONOMIC HISTORY	3	3(0)
ME	ECO3112	KOREAN ECONOMY	3	3(0)
ME	ISM4503	MODERN KOREAN HISTORY	3	3(0)
ME	ISM4504	KOREAN SOCIETY AND CULTURE	3	3(0)
ME	ISM4505	KOREAN POLITICS AND NORTH KOREA	3	3(0)
ME	ISM4506	MODERN KOREA-JAPAN RELATIONS	3	3(0)
ME	ISM4515	HISTORY OF KOREA-US RELATIONS	3	3(0)
ME	POL2210	INTRODUCTION TO KOREAN POLITICS & GOVERNMENT	3	3(0)
ME	POL3211	KOREAN POLITICAL PROCESS: PRESIDENT, NATIONAL ASSEMBLY & PUBLIC OPINION	3	3(0)
ME	POL3812	TRADITION & MODERNITY IN KOREA	3	3(0)
ME	POL3813	POLITICAL LEADERSHIP IN KOREA	3	3(0)
ME	POL4110	NORTH KOREAN POLITICS & FOREIGN POLICY	3	3(0)
ME	POL4211	COLLOQUIUM ON KOREAN POLITICS	3	3(0)
ME	POL4212	ELECTION CAMPAIGNING IN KOREA	3	3(0)
OTHER	IEE2021	INTRODUCTION TO KOREAN MUSIC	3	3(0)
OTHER	IEE3107	PREMODERN KOREAN HISTORY	3	3(0)
OTHER	IEE3108	MODERN KOREAN HISTORY	3	3(0)
OTHER	IEE3117	CHRISTIANITY IN KOREA	3	3(0)
OTHER	IEE3124	MASS MEDIA IN KOREA	3	3(0)
OTHER	IEE3127	KOREAN GOVERNMENT & POLITICS	3	3(0)
OTHER	IEE3131	POLITICS AND SOCIETY OF NORTH KOREA	3	3(0)
OTHER	IEE3146	WOMEN IN KOREA	3	3(0)
OTHER	IEE3186	THE KOREAN WAR	3	3(0)
OTHER	IEE3198	MODERN KOREAN SOCIETY AND CULTURE	3	3(0)
OTHER	IEE3205	KOREAN FOLKLORE & ETHNOGRAPHY	3	3(0)
OTHER	IEE3217	KOREAN BUSINESS ETHICS	3	3(0)
OTHER	IEE3220	TOPICS IN KOREAN LANGUAGE AND CULTURE	3	3(0)
OTHER	IEE3238	KOREAN SOCIETY & CULTURE	3	3(0)
OTHER	IEE3242	UNDERSTANDING CONTEMPORARY POPULAR CULTURE & THE KOREAN CULTURE WAVE	3	3(0)
OTHER	IEE3246	KOREAN-AMERICAN HISTORY	3	3(0)
OTHER	IEE3262	GLOBALIZATION OF KOREAN SOCIETY	3	3(0)
OTHER	IEE3298	NORTH KOREAN GOVERNMENT AND FOREIGN POLICY	3	3(0)
OTHER	IEE3306	KOREAN CINEMA	3	3(0)
OTHER	IEE3307	KOREA AND WORLD POLITICS	3	3(0)

○ Requirements ○

- Credit Requirements

Students will be required to complete a total of 18 credits from the courses listed above including the minor prerequisite course, Introduction to Korean Studies or Social Change in Modern Korea. 3 credit-hours (one course) may be taken from Korean Studies courses conducted in Korean under the permission of the program chair professor. Courses not on the list above but related to Korean Studies may also be counted pending the approval of the minor chair professor. In those cases in which a course is listed both as a course for one of the UIC majors and for Korean Studies, students must choose either one or the other. No courses can be counted toward both a major and this minor. Students whose native language is not Korean are required to take 2 semesters of Korean language or pass the Korean Proficiency test administered by UIC.

## ○ Course Descriptions ○

### UIC1801 INTRODUCTION TO KOREAN STUDIES

This class will provide a general overview of Korean history, culture, literature from earliest times to the present. In addition to readings from historical and literary sources, the course will introduce film both to elucidate certain points about culture and history, and as an important Korean cultural product itself.

### UIC3112 SOCIAL CHANGE IN MODERN KOREA

In this course students will survey the development of Korean society in modern times. The course is divided into two distinct parts. First, Korea's political and economic development and second, Korea's socio-cultural development, covering topics such as religion, popular culture, demographic changes, etc.

### UIC3528 TOPICS IN LITERARY TRANSLATION

This course will teach the fundamentals of literary translation from Korean to English. The course will provide an admixture of theory and practice, but, since teaching students to produce tangible results in the form of excellent translations is the course's primary goal, the actual practice of translation will be the primary focus.

### CLC2102 KOREAN AND JAPANESE LITERATURE FROM THE COLONIAL PERIOD

The goal of this course is to explore the relation between Korean and Japanese modern literature during the colonial period. We will focus on the questions of how colonial cultural circumstances influenced the formation of Korean modern literature, and what the result was. Thus, we will attempt to answer these questions by reading some representative writer's works from the colonial period.

### CLC2104 KOREAN STUDIES AND VISUAL ART

This course explores the ways in which the visual field has been formed and how national identity is configured in this formation as articulated in modern Korean cultural texts. We will examine issues of tourism, fashion, media and spectatorship against the backdrop of modern Korea's experience of colonialism, nationalism, and industrialization.

### CLC2105 KOREAN AMERICAN WRITERS

We will consider how Korean American writers have defined the status of the "immigrant" within U.S. culture, reanimated or fantasized about a Korean past, and negotiated their relationship to a "Korean identity." Reading Korean American literature in a Korean context makes new interpretive readings possible. Texts draw primarily from the newer generation of Korean American writers, writing since the 1990s.

### CLC3101 RETHINKING KOREAN NATIONAL LITERATURE AND IDENTITY

In this course, we will study Korean national literature within the context of the creation of the modern nation state. This course questions the approach of viewing Empire as exerting a one-dimensional influence on colonial-era Korean literature, or alternatively of considering the literature as simply a method of colonial resistance.

### CLC3102 CULTURAL SEMIOTICS IN EAST ASIA II

An examination of the major intellectual, aesthetic, and philosophical trends in the process of East Asian history. By reading translations of original source material, the student will be able to see the principal modes of traditional East Asian cultural and philosophical thought.

### CLC3103 KOREAN FILM STUDIES

This course surveys aspects of Korean films and film studies. We will examine the history of Korean cinema with the impact of Western film theories and visual materials. The topics of discussion will focus on modern spaces such as movie theatres, new forms of the public sphere and entertainment, and cinematic experiments and expressions of cognitive and practical activities of popular culture.

#### CLC4711 RELIGION AND CULTURE(1): EAST ASIAN RELIGION AND CULTURE

Discussion and research on the major problems related to East Asian culture and religion. Seminar topics alternate yearly with emphasis on Buddhism, Taoism or Confucianism. Comparative study of East Asian-Western religious and cultural thoughts will be made.

#### ECO2109 KOREAN ECONOMIC HISTORY

Development of the Korean economy is examined in terms of economic systems, development states, and relationship with political-social phenomena.

#### ECO3112 KOREAN ECONOMY

This course examines the development process of the Korean economy. Starting with historical background, it will proceed to the 'economic miracle,' the subsequent crisis, and recent development. Much emphasis will be given to comparative perspective.

#### ISM4504 KOREAN SOCIETY AND CULTURE

This course will begin with an overview of the geographic setting, population, cultural traits, and historical background of Korea. We will discuss the formation and development of yangban society, its Confucian tradition and value systems, the transformation and modernization of Korean society in the last two centuries, and the rise of Korean capitalism. The focus of the course will be on Korean society after the end of Korean War.

#### ISM4505 KOREAN POLITICS AND NORTH KOREA

The course aims to promote an understanding of modern Korea by taking an interdisciplinary approach to its current issues. The course examines the political, economic and cultural development of Korea, focusing on the two-state period since the end of World War II. From the South Korean angle we focus on its economic development and the process of democratization.

#### ISM4506 MODERN KOREA-JAPAN RELATIONS

The course aims to provide an introductory survey of Korean-Japanese relations, with special reference to the post-1945 period. Towards the end of the course, it is hoped that students will have acquired a sound understanding not only of this complex bilateral relations, but also of the dynamics of domestic political developments.

#### ISM4515 HISTORY OF KOREA-US RELATIONS

This course will provide a broad historical overview of Korean-American relations from the initial encounters in the 19th century to the postliberation period. The topics covered will begin with Korea's transition to the modern system of nation states and the gradual expansion of American influence into East Asia. We will focus on the evolution of US foreign relations in East Asia and discuss their impact on Korea.

#### POL2210 INTRODUCTION TO KOREAN POLITICS & GOVERNMENT

The key objective of this course is to make sense of the incredible stability and change of the system, especially, but not exclusively, by tracking continuity of the coalitional dynamics on which political, economic and social institutions are founded. The course will proceed both historically and thematically.

#### POL3211 KOREAN POLITICAL PROCESS: PRESIDENT, NATIONAL ASSEMBLY & PUBLIC OPINION

The history and characteristics of the Korean National Assembly and election process as well as its dynamic interaction with the Presidency will be studied. The course will evaluate the level and quality of democratic politics in Korea through the analysis of the most representative democratic institutions of Korea.

#### POL3812 TRADITION & MODERNITY IN KOREA

This course scrutinizes the implications of traditional culture and Confucian norms in modern society. It also explores possibility of balanced combination of tradition and modernity.

#### POL3813 POLITICAL LEADERSHIP IN KOREA

This course analyzes leading political figures in Korean political history and evaluates typical Korean leadership styles, values, philosophy and norms inherent in them.

#### POL4110 NORTH KOREAN POLITICS & FOREIGN POLICY

How to resolve North Korea's nuclear issue has been a hot potato since the early 1990s. This course is designed to explore variants lying behind North Korea's foreign policy. Doing so involves not only to scrutinize various sources of North Korean foreign policy but also to analyze views of surrounding countries toward North Korea.

#### POL4211 COLLOQUIUM ON KOREAN POLITICS

This is a colloquia course dealing with various aspects of Korean politics including presidency, election, national assembly, political parties and local politics. (Prerequisite: POL3211)

#### POL4212 ELECTION CAMPAIGNING IN KOREA



This course elaborates election process spotlighting on campaigning at presidential, parliamentary and local elections. In doing so, this course will delineate Korea's unique way of campaigning in conjunction with parochialism in South Korean society.

#### IEE2021 INTRODUCTION TO KOREAN MUSIC

In this course, combining anthropological, historical, and musicological perspectives, we learn about the genres and histories of Korean music, and the evolving place of music in Korea's changing modern life. We will listen to the songs and the music of many survivors of Korea's turbulent modernity, in order to get acquainted first-hand with the place of music in Korea life, and in order to learn about Korean modern history through music.

#### IEE3107 PREMODERN KOREAN HISTORY

This course will survey the history and civilization of Korea from prehistoric times to 1876. First, this course aims at enhancing the student's understanding of major topics of pre-modern Korean history by introducing both Korean and Western scholarship on them. Second, the course also aims at developing the student's skill to present his/her view on the particular topic. by performing a miniature presentation in the classroom.

#### IEE3108 MODERN KOREAN HISTORY

This is a general survey of the modern Korean history within the context of political, economic, social, and cultural dimensions from the late nineteenth to the late twentieth century. We will pay close attention to the Koreans' dynamic approaches to political and economic issues while dealing with ideas and modern institutions. Also, we will study Korea's understanding of its own identity and position in modern world.

#### IEE3117 CHRISTIANITY IN KOREA

Women's liberation, Independence struggles, justice, peace, international new colonial threats, ideological dominations by the market economy, North Korea's Christian Churches, Peace Ministries, Urban Industrial missions, missionaries for the world. secularizations of the churches, nuclear wars and threats and the role of the churches and Christians, western mission and the conquests by the cultural values of the secular west and by Japan.

#### IEE3124 MASS MEDIA IN KOREA

The issue of 'communication and democracy' is the mainstream of this course. Experiencing social changes of political democratization, mass media have been one of the most fundamental factors influencing Korean society. The aim of this course is, therefore, to understand the various themes and issues of Korean mass media in their social and historical context necessarily connected with the role of journalism in modern public life.

#### IEE3127 KOREAN GOVERNMENT & POLITICS

This course is designed to equip students with necessary knowledge and analytical skills to enable them to understand major driving forces and characteristics of contemporary Korean politics and government. This course is roughly divided into two different and interrelated parts. In part one the trajectory of Korean politics, since the time of Liberation in 1945, receives intensive examination. Part two deals with various topics that characterize the Korean politics.

#### IEE3131 POLITICS AND SOCIETY OF NORTH KOREA

This course introduces students to politics, economy and society of North Korea in general, while paying special attention to some of the prominent issues associated with the country at present such as the development of WMD, economic reform, refugees and human rights. It reviews the past and recent developments of the scholastic approaches to explaining and understanding North Korea.

#### IEE3146 WOMEN IN KOREA

This course is designed to introduce students to diverse issues regarding women in Korea. Through a combination of readings, lectures, discussions, and class assignments, we will explore gender issues in terms of family, education, work, politics, and sexuality. We will also discuss theoretical debates in order to obtain a better understanding of issues evolving around women in Korea.

#### IEE3186 THE KOREAN WAR

This course is designed to make the students knowledgeable the origins of the Korean War as a civil war and how the United States, the Soviet Union, China and other countries got involved, and why civilian and military leaders acted as they did.

#### IEE3198 MODERN KOREAN SOCIETY AND CULTURE

This course will begin with an overview of the geographic setting, population, cultural traits, and historical background of Korea. The overall theoretical frameworks that we will explore with regard to the modernization of Korean society are the Modernization and Dependency perspectives.

#### IEE3205 KOREAN FOLKLORE & ETHNOGRAPHY

This class will look at aspects of Korean folklore and ethnography with special attention to aspects the performing and visual arts as representations of culture. One review (4-pages) of an exhibit museum or performance event with analysis of its function will be due mid-quarter. Students will develop an individual research project on contemporary representations or folk practices (agreed on with the instructor). Students will present their project to the class at the end of the quarter and turn in a 5-page write up of the project.

#### IEE3217 KOREAN BUSINESS ETHICS

The basic purpose of this class is to let students understand current practice and historical background of Korean business. This course is designed to learn Korean Business Ethics with lots of fun through innovative learning method. You will check on this point in the classroom.

#### IEE3220 TOPICS IN KOREAN LANGUAGE AND CULTURE

The purpose of this course is to examine central topics on Korean language. Main topics and central issues of Korean such as Han-geul(Korean Alphabet) Invention, Korean Language Movement(Exclusive use of Han-geul and Language Purism in Korea), Romanization of Korean, Specific Aspects of Korean Honorification System, Linguistic Ties between Three Countries(Korea, Japan and China), Advertisements in Korean and Slang in Korean, etc.

#### IEE3238 KOREAN SOCIETY & CULTURE

This course will begin with an overview of the geographic setting, population, cultural traits, and historical background of Korea. The overall theoretical frameworks that we will explore with regard to the modernization of Korean society are the Modernization and Dependency perspectives.

#### IEE3242 UNDERSTANDING CONTEMPORARY KOREAN POPULAR CULTURE & THE KOREAN CULTURE WAVE

This course is designed to introduce students to contemporary Korean popular culture and the Korean culture wave. This course will combine lectures with discussions of readings, and reference will be made when necessary to a variety of teaching materials such as audio visual resources (films, TV dramas, music videos, etc), the Internet, and newspapers.

#### IEE3246 KOREAN-AMERICAN HISTORY

This is an introductory history course of Korean Americans from the early 20th-century to the present. Beginning with the first wave of mass Korean immigration to Hawaii in 1903, the course examines the major social, cultural, economic and political events in both Korea and the United States that shaped the lives and experiences of Korean Americans.

#### IEE3262 GLOBALIZATION OF KOREAN SOCIETY

Why is there so much fuss about globalization? For most of us, who are beneficiaries of globalization, it seems natural. But are we sure if our society is sufficiently globalized and if it is not, how to make it more globalized?

A close look at their ideas and actions can help us understand what is needed for further globalization of Korean society.

#### IEE3298 NORTH KOREAN GOVERNMENT AND FOREIGN POLICY

This course is designed to enable students to better understand North Korean politics and foreign policy. Toward such ends, students will acquire knowledge about (1) the process of Kim Il Sung's power consolidation; (2) governance structure and process of the Kim Jong Il regime; (3) state-society relations in North Korea; (4) foreign policy issues; and (5) prospects for political continuity and change.

#### IEE3306 KOREAN CINEMA

This is a broad examination of Korean cinema that is grounded in historical study and film theory. We start with some rare surviving colonial period films and work our way to the very recent films of the "Korean wave" era. Our thematic focus will be post-coloniality, ideological division, war, national reconstruction, democratization, and intensified global capitalism; our critical focus will be on problems of nation, class, and gender.

#### IEE3307 KOREA AND WORLD POLITICS

This course is designed as an introductory course to Korean politics, economics, society and international relations. As such it will provide a historical overview of the development in politics, economy and society since the late nineteenth century.

## **Academic Regulations**



# **UIC Honor Code**

Underwood International College expects its students to engage in constructive and informative courses throughout their undergraduate career. The student body and the faculty at UIC believe that integrity and professionalism are key in achieving personal and academic success and that such characteristics should be the underlying foundation for educational and personal excellence. While information is constantly being exchanged in many forms, UIC fully expects its students to use and exchange information with peers and faculty in an honest and trustworthy manner.

A system dictated by an honor code indicates that one's actions are not only indicative of the character of that individual, but representative of the collective moral fiber as well. Those who transgress codes of academic conduct not only break University regulations, but also undermine their own integrity and morality. UIC's Honor Code requires all its students to hold a certain standard of veracity, and expects them to hold their peers to the same benchmark of uprightness. In line with this requirement, all students have the obligation to report all witnessed violations of the Honor Code to the peer involved, as well as to a faculty member of the University. Violations are dealt with severely and violators are subject to disciplinary measures, including failure in the course, academic probation, and/or expulsion from the University.

Honor Code infringements include, but are not limited to, the following:

- Plagiarism - the process of passing off information as one's own rather than attributing it to the rightful owner of the idea - on essays, term papers, laboratory reports, and examinations.
- Falsely taking upon another student's identity on the above assignments.
- Cheating by stealing peers' knowledge/information on the above assignments.
- Receiving help from others without consent from the appropriate professor.
- Prior deceitful knowledge of examination or term paper questions.

Underwood International College expects all the members of its community to abide by the highest standards of ethics, academic integrity, and professional behavior, and to adhere to such community values.

As an academic community, Underwood International College expects all members to abide by certain ethical standards with regards to honesty and academic integrity. Violations of these standards are seen as detrimental not only to the member engaged in this activity, but to the broader community as well. As such, UIC expects students to understand and follow these standards, which include the following:

1. Plagiarism - students may never represent the ideas or language of others as their own. Plagiarism can take many forms, and all are equally impermissible. It includes:
  - a) Quoting any sequence of words drawn from another source and which is a phrase or more in length without putting them in quotation marks and citing the source.
  - b) Paraphrasing the ideas of a source without citation.
  - c) Using statistics, facts, or illustrative material without citation.
  - d) Obtaining an assignment from any source and presenting it as one's own work. This includes, but is not limited to, submitting another student's assignment as one's own, allowing someone else to write one's assignments [for one], or downloading an assignment from the internet.
2. Students may neither receive nor give assistance while taking exams. In addition, students may not use unauthorized materials during exams. (This includes any sort of electronic device, unless specifically authorized).

3. All material submitted for credit must be the sole work of the student turning in the material. In the case of group assignments, the material must be the work of the students within the group only.
4. Students may not submit material for a current course that has previously been submitted for credit in another course. This includes courses that are repeated.

Note that it is the student's responsibility to understand what constitutes academic dishonesty. If in doubt about whether a particular activity violates this policy, the student must contact the instructor for clarification. Any student found to violate this policy will receive an F for the course in question and be forced to withdraw from all other courses in which they are currently registered.

## ■ Official Announcements

UIC posts its official announcements on its official bulletin board, on the UIC homepage, <http://uic.yonsei.ac.kr>. Academic departments and other divisions of the university communicate essential and timely information to students through these official announcements. It is the responsibility of the student to read and know the contents of these announcements that may affect his or her program.

## ■ Academic Residence Requirement and Time Limitation

### Enrollment Requirement and Time Limitation

The required period of study at UIC is four years (eight semesters).

The time limitation for completing all the credits required for a bachelor's program is generally six years (12 semesters). A student who fails to fulfill the degree requirements within this time limitation will be dismissed at the end of the 12th semester.

Transfer students cannot prolong their study more than 1.5 times the number of semesters required to study at our university. Therefore, students transferring to the 3rd-year of a four-year bachelor's degree program must fulfill the degree requirements within 3 years(6 semesters), and those transferring to the 2nd-year within 9 semesters.

### Early Graduation

Students with a 3.75 or higher cumulative GPA may graduate by shortening one or two semesters when they complete all the graduation requirements in six or seven semesters.

### Integrated-Undergraduate-and-Graduate Program

Student who are in the Integrated-Undergraduate-and-Graduate Program with 3.3 or higher cumulative GPA can receive a bachelor's degree after the seventh semester if he/she meets graduation requirements.

### Restrictions on Early Graduation

- Students with an academic warning cannot apply for early graduation.
- Transferred students are not allowed to apply for early graduation.

## ■ Academic Year and Official Holidays

### Academic Year and Semesters

The academic year at Yonsei University begins on the first day of March and ends on the last day of February. Yonsei University operates on a semester system. The spring and fall semesters are each fifteen to sixteen weeks in length, beginning March 1 and September 1. Summer and winter programs supplement the regular semesters.

### Credit Hour Value

All undergraduate courses are valued in credit hours. 1 credit is given for every 15 hours (or more) of lectures per semester. However, for a lab or practical training (physical education) course, 1 credit is given for every 30 hours (or more) per semester.

### Classes and Holidays

The university is in session on weekdays (from Monday to Friday), but there may be exceptions such as seminars or laboratories that meet on Saturdays. Classes usually meet twice or three times a week. No classes will be held on national holiday and Yonsei University Foundation Day.

## ■ Korean Student Admissions

### Office of Admissions

The Office of Admissions has managed the recruitment and selection of applicants since its establishment in 1992. In addition to promoting a more efficient and systematic management of the admissions process, the Office of Admissions actively participates in policy-making regarding the recruitment of qualified students.

### Schedules

The application schedule varies each year, so prospective applicants should check the Office of Admissions website (<http://admission.yonsei.ac.kr/seoul>) for admissions schedule of the year. Matriculation for Early Admissions and More than 3 years Overseas Students Track is in March. For detailed application guidelines for 12 years Overseas Students Track, please visit the website of Office of Admissions (<http://admission.yonsei.ac.kr/seoul>).

### Eligibility

Applicants must have either graduated or be expected to graduate from an accredited high school before the beginning of the first semester (March 1st or September 1st). Specifics can vary according to admission track.

### Types of Admission by Schedule

- The admission schedule varies each year according to the Ministry of Education guidelines, so prospective applicants should give heed to the application schedule announcement on the university homepage.
- Early Admissions
  - The application period for Early Admissions begins before the prospective applicant takes the Korean scholastic aptitude test (KSAT) and there is no minimum required KSAT score for final admissions to UIC.
  - An applicant of Early Admissions may receive several offers of admissions from different universities but the applicant must enroll in one Korean university and pay a tuition deposit for successful registration as stated in the Higher Education Act. In addition, after the registration, the applicant is not permitted to apply to other programs or institutions within Korea thereafter, and if he/she does so, the admissions will be revoked.
  - The benefits of applying for Early Admissions include early notification of the admission decision. The Early Admissions at Yonsei University does not provide students with additional merit scholarships or need-based financial aid beyond what our Regular Admissions offers.
- Regular Admissions: Prospective applicants for regular review are usually required to take the KSAT and submit the test results at the time of application.
- Overseas Students Track: There are two types of Overseas Students Track. For students who have studied outside of Korea for 3 years or more may apply through More than 3 years Overseas Students Track and for students who have studied outside of Korea for 12 years may apply through 12 years Overseas Students Track under condition that the student fulfills several more conditions written on the Office of Admissions website.

The majority of UIC students are admitted through the Early Admissions. A few may be admitted through the Regular Admission.

### Types of Admission by Applicants' Qualifications or Admission Unit

There are extensive types of admission tracks according to the applicant's qualifications and admissions unit. To name a few, there are admission tracks for students who have high academic qualifications, or who have rendered laudable services to the community, or who have prevailed against poor academic surroundings (such as in agricultural and fishing regions of the country), or whose parents have rendered laudable services to the country (military, etc.), or who have other qualifications set by the Korean Ministry of Education. Generally these categories do not apply to UIC admissions.



## ■ International Student Admissions

International students should contact the UIC Office and submit applications to the UIC Office, instead of the Office of Admissions. The internal evaluation of eligibility and management of applications are done by the UIC Office.

### Schedules

International students can apply for both spring and fall admissions. The application schedule varies each year, so prospective applicants should check the UIC website (<http://uic.yonsei.ac.kr>).

### Eligibility

- “International” students who have received or will receive a high school diploma before spring semester (March 1) or fall semester (September 1) are eligible to apply.
- According to the Korean Ministry of Education, an international student is defined, for the purpose of university admissions, as one who holds a non-Korean nationality and has parents who have non-Korean nationalities. (Applicants or their parents with dual citizenship, of which one is Korean citizenship, must give up Korean nationality to be eligible for International Students Track.)
- High school grade level 12 is equivalent to 3rd level in the Korean high school system. Applicants from countries whose academic systems are based on less than 12 years (primary and secondary education combined) must make up the one year gap in secondary education from a college or university. However, UIC Office will take into consideration of the differences in academic systems in making admissions decisions for applicants who have studied their entire school years at a country where academic systems are based on less than 12 years.

### Required Documents

- International Students Track Application Form.
- Official transcripts from high school(s).
- Two letters of recommendation from your high school teachers written in English.
- One copy of high school diploma(s)/certificate(s) of graduation. A certificate of scheduled high school graduation if not yet graduated. Applicants who are currently attending high school at the time of application must submit a copy of diploma before the semester of enrollment begins, or admission will be revoked.
- Certificate of nationality of the applicant and his/her parents. International applicants must submit legal documentation that verifies applicants’ family relationship.
- For applicants residing in Korea:
  - One photocopy of Alien Registration Card of the applicant and parents if his/her parents are residing in Korea.
- Korean descendants with non-Korean citizenship:
  - One copy of legal documentation that verifies the renunciation of the applicants’ and parents Korean citizenships, such as a Certificate of Family Relationship that shows Renunciation of Korean Citizenship, valid notarized copy of Alien Registration Card, etc.
- Miscellaneous
  - All documents submitted for admissions must be originals. If original documents cannot be submitted, a copy of the original should be submitted with an official seal affixed by the issuing institution or by UIC.
  - All documents submitted must be in English. Documents in any other languages must have a notarized translation attached.

### Supplementary Documents

- Official test scores from a High School Graduation Exam or University Entrance Exam that can verify academic performance, including the SAT, ACT, GCE-A LEVEL, IB, AP, etc.
- Other documents that can certify extra-curricular activities from high school:
  - Documents confirming activities recorded on the official transcript are not required for submission.

- Honors, awards, and qualifications not recorded on the transcript should be filed in the "List of Other Documents." If available, provide copies with a seal affixed by your high school.

### **Application Fee**

A non-refundable application fee must be paid for successful application. The transfer receipt of application fee must be enclosed in the application packet delivered to UIC Office. Specific details for admissions fee payment will be announced along with details of the admissions timetable and procedure.

## **■ Transfer admissions to UIC**

Transfer applicants are required to apply for the entrance examination given by Yonsei University. Students admitted through Transfer Track will matriculate from March.

### **Transfer Applicant Requirements**

- Korean Students Transfer Admission
  - Transfer is allowed only in case of vacancies within the normal student quota.
  - Transfer applicants must have completed at least two full academic years (four semesters, excluding summer sessions) prior to their anticipated enrollment at Yonsei, and they must be able to present records of at least 63 (68 for LSBT/ISE applicants) semester units of transferable course credit.
- Special Transfer Admission for Overseas Koreans and International Students
  - Overseas Korean applicants who have completed 12 years of primary, junior high, and high school abroad or "international" applicants (an applicant with non-Korean nationality and has parents with non-Korean nationalities)
  - Transfer applicants must have completed at least one or two full academic years prior to their anticipated enrollment at Yonsei, and they must be able to present records of at least 32 (34 for LSBT/ISE applicants) or 63 (68 for LSBT/ISE applicants) semester units of transferable course credit.
- Transfer for a Second Bachelor's Degree
  - Applicants must have received bachelor's degree before applying
  - Or expect to receive one before anticipated enrollment at Yonsei.

## **■ Leave of Absence, Return, Withdrawal, and Dismissal**

### **Leave of Absence and Return**

- Undergraduate students desiring a leave of absence must formally apply for a Leave through the online Yonsei Portal Service.
- Students must return any scholarships received prior to applying for a leave.
- If a student applies for a leave of absence after 14 days have elapsed from the start of the semester, the student must pay the tuition fee before applying for the leave of absence.
- Leave for general reasons
  - If you are allowed a leave of absence for general reasons or for an illness, all your course enrollments will be canceled and will not be graded.
  - Total period of leave cannot exceed 6 semesters for freshmen-admission students and not more than 3 semesters for 3<sup>rd</sup> year transfer students. This maximum does not include any period of leave for obligatory military service.
  - Applying for a leave of absence for general reasons is permitted only until two thirds of a semester expires. A leave application due to an illness can be submitted up to a week before the beginning of the official final examination period.
  - Leave of absence is not allowed for the first semester of freshman, transfer admission, or re-admission students. Enlistment in the military services, illness or pregnancy are exceptions to this rule.
  - The refund will be wired to the student's bank account registered on Yonsei Portal Service.

- The amount of tuition refunded will be determined according to university regulations, and is as follows:

Date to file leave	Amount of refund
✓ Within 2 weeks from the beginning of a semester:	full refund
✓ 15 ~ 30 days from the beginning of a semester:	5/6
✓ 31 ~ 60 days from the beginning of a semester:	2/3
✓ 61 ~ 90 days from the beginning of a semester:	1/2
✓ After 90 days from the beginning of a semester	no refund

- Leave for obligatory military service
  - Students can apply for a military service leave through the online Yonsei Portal Service. When applying for a leave for military service, a student must attach a copy of the “Notice of Enlistment” on the Yonsei Portal to get a permit for a leave.
  - If a student is enlisting on or after the 2/3 semester line, his/her course enrollment remains unchanged and will be graded.
  - If a student discharged from the military immediately after his/her enlistment, he/she must file a cancellation of leave form with the “Notice of Return” attached to the Academic Support Team at the Office of Academic Affairs within a week.
  - Students who enlist before 2/3 of the semester have elapsed will receive a refund of tuition according to the same standards as students on leave of absence for general reasons. If a student enlists after 2/3 of the semester has passed, the current semester is considered effective and there will be no tuition refund.
- Leave for Pregnancy, Childbirth and Child Care
  - Students who would like to take a leave of absence due to pregnancy, childbirth or child care of children under 8 years old (under 2<sup>nd</sup> grade year in elementary school) may take an extra leave of absence for up to two years in addition to the existing maximum leave period. When applying for this leave of absence, students must submit the following documents:
    - For pregnancy and birth: medical certificate
    - For child care: Family relation certificate
  - Students who would like to take a leave of absence due to pregnancy and childbirth may apply for a leave of absence up to one week before final exams (Leave of absence for child care must follow the rules for general leave of absence and may apply up to 2/3 of the semester).
  - In the case of childbirth, general leave of absence is exceptionally permitted during the first semester for students admitted through new admissions, transfer, double-major for prospective graduates, and re-admissions tracks.
- Leave for (Preparing) Business Start-up
  - Students who would like to take a leave of absence due to (Preparing) business start-up may take an extra leave of absence for up to two years in addition to the existing maximum leave period when they pass the screening of the Yonsei Enterprise Support Foundation.
  - For detailed information, please visit the Yonsei Enterprise Support Foundation homepage (<http://venture.yonsei.ac.kr>).

#### **Return from Leave of Absence**

- Students of the leave of absence should file application for return during the designated period through Yonsei Portal Service.
- Students on the leave of absence for obligatory military service must file returning application or application for leave for general reasons no later than one year from the date of discharge.

#### **Voluntary Withdrawal from the University**

Students desiring to withdraw completely from the University must file an official Withdrawal Request Form through the Academic Support Team of the Office of Academic Affairs.

### Academic Probation and Dismissal

- A student whose GPA is below 1.75 (on a 4.3 scale) will receive an academic warning, and three such warnings (not necessarily consecutive) will result in dismissal. A student dismissed because of poor academic standing can apply for readmission only if 2 years have passed since the dismissal took place.
- Students failing to return after the allowed leave of absence period expires will be dismissed.
- Students failing to pay tuition during the designated period will be dismissed.
- Students failing to complete the graduation requirements within the maximum semester limit will be dismissed.
- **When freshmen, transferred students, double-majors for graduate candidate and readmitted students in the first semester do not enroll for any class during the designated period, they will be dismissed. Any students whose leave of absence period are expired and do not enroll for any course during the designated period will be dismissed.**

### ■ Readmission

A student may obtain permission for readmission only once if there's a vacancy in the normal quota. One who is subject to any of the following conditions is banned from readmission:

- Dismissed after readmission.
- Dismissed as a result of university's disciplinary judgement.
- Students dismissed because of poor academic standing are not allowed to apply for readmission for two years.

A readmission fee, in addition to the tuition fee, will be imposed on readmitted students.

**All of the academic warning(s), enrollment periods, grades and credits a student received before dismissal are still effective** after he/she is readmitted. Thus if a student dismissed for cumulated academic warnings receives one more academic warning after readmission, he/she will be dismissed permanently.

### ■ Declaring and Changing Majors and Minors

#### Declaring a Major

Underwood Division:

Underwood Division Humanities & Social Sciences students admitted in 2012 and thereafter can select one of the following 4 majors at the end of the first year:

- Comparative Literature and Culture
- Economics
- International Studies
- Political Science and International Relations

Underwood Division Life Science and Biotechnology students admitted in 2012 and thereafter do not need to declare a first major and will be automatically designated as LSBT majors at the end of their first year. Students admitted as LSBT majors cannot change their first majors within UIC.

HASS Division Asian Studies Major:

Asian Studies students will be automatically declared as Asian Studies Majors at the end of their first year, and cannot change their first major within UIC.

HASS Division:

Students admitted as HASS division can select one of the following 8 majors at the end of the first year:

- Asian Studies
- Culture and Design Management

Information and Interaction Design  
Creative Technology Management  
Justice and Civil Leadership  
Quantitative Risk Management  
Science, Technology, and Policy  
Sustainable Development and Cooperation

#### ISE Division

Integrated Science and Engineering students can select one of the following 3 majors at the end of the first year.

Nano Science and Engineering  
Energy & Environmental Science and Engineering  
Bio-Convergence

#### Changing a Major at UIC

Students may change their majors within the admissions unit only. If a student is admitted to a division (such as Underwood Division, HASS Division, ISE Division), change of major to a major outside of the initially admitted division is prohibited. Hence, students admitted to UD Life Science and Biotechnology and Asian Studies Division cannot change their first major within UIC.

Students must receive permission from the department chair in charge of the program to which they wish to transfer and apply for change of major affiliation during the designated period after confirming the eligibility. When approved, the change in major affiliation will become effective from the beginning of the next semester. Changing a major is allowed only once.

#### Declaring a Double Major at UIC

UIC students may apply for a second major from among the majors offered at UIC after they complete their third semester until the semester prior to the final semester (the semester before their graduating semester). Students enrolled in double majors must meet the degree requirement for both major programs, including general education requirements.

#### Declaring a Non-UIC Double Major or Minor

UIC students may select a second major or minor from non-UIC majors or minors offered at Yonsei. Most non-UIC majors and minors have higher credit requirements and may require a specific GPA or other requirements.

Students may apply for a second major from non-UIC majors offered at Yonsei after they complete their third semester until the semester prior to the final semester (the semester before their graduating semester). UIC students interested in these options should contact the relevant departments early in their academic careers at Yonsei.

#### Canceling Double Major

Students who wish to withdraw from taking a double major must submit an application for cancellation of a double major to the Academic Support Team of the Office of Academic Affairs until one semester prior to the graduation semester.

### ■ Tuition Payment

All students are required to pay tuition within the specified period, and students who fail to fulfill the registration requirement will be dismissed.

Students may pay their tuition in full or in two or four installments based on the Tuition Installment Payment

Plan. An application for the Tuition Installment Payment Plan must be filed in advance to make installment payments. Installment payments for first semester registration of freshmen admission, re-admission, and transfer admission are not accepted.

Tuition discounts are not available for undergraduates in their first through eighth semesters even if they choose to enroll in fewer credit hours than allowed. For those who enroll for the ninth semester or beyond, and for disabled students subject to University Regulation, tuition will be imposed according to the number of credits taken, and the rate is as follows:

- ✓ From 1 credit to 3 credits, 1/6 of full tuition is imposed.
- ✓ From 4 credits to 6 credits, 1/3 of full tuition is imposed.
- ✓ From 7 credits to 9 credits, 1/2 of full tuition is imposed.
- ✓ For 10 credits and above, full tuition is imposed.
- ✓ For non-credit courses, tuition will be decided annually.

## ■ Course Enrollment

It is the student's responsibility to select courses free of conflicts in course schedule. For updated schedule information, check the Yonsei Portal Service. All students must confirm the dates on which they are eligible to register. Successful course enrollment is subject to space availability and confirmation of eligibility. Students who do not register for courses at all until the end of the course add-drop period will be treated as general leave of absence. When a student who has exhausted his/her leave of absence period does not enroll for any courses by the end of the course add-drop period, the student will be dismissed. Students who are in their first semester after freshmen admission, transfer admission, double-majors for graduate candidate and readmission will be dismissed if they do not register for courses by the end of the course add-drop period.

### Credits per Semester

- UIC students admitted in 2015 and thereafter may take from 1~19 credits during their 1st year. UD Humanities & Social Sciences and HASS students may take from 1~18 credits from the 2nd year to the 4th year. UD LSBT students and ISE students may continue to take from 1~19 credits from the 2nd year to the 4th year. A student whose GPA for the preceeding semester is over 3.75 can take an additional 3 credits. But a student who has withdrawn from a course in the preceeding semester is not eligible for this additional 3 credit enrollment.
- Students in the Integrated-Undergraduate-Graduate program can take up to 24 credits per semester.
- The minimum standard for applying for University grant scholarship is a 2.5 GPA for the preceding semester, earned in a full-time undergraduate program of not fewer than 12 completed credit hours.

### Academic Warning

Students who received an academic warning in the previous semester are required to attend an academic counseling session before they enroll for courses.

- Students who received academic warning in the previous semester must consult their academic advisor. Enrollment is possible only after submitting counseling documents signed by the academic advisor to the Academic Support Team.
- Students who do not attend the required academic counseling/advising are not allowed to access the course enrollment system.

### Enrollment in Graduate School Courses

Third-year or fourth-year undergraduate students are eligible to enroll in graduate school courses for up to 6 credits per semester and up to 12 credits overall. The graduate courses can either be counted toward undergraduate graduation requirements or be reserved for graduate degree requirements, but cannot count toward both degrees. For students admitted in 2022 or thereafter, grades earned from graduate courses will not be considered in

computing the GPA if they are applied to the graduate degree requirements. For students admitted in 2021 and before, even if credits from graduate courses are recognized as credits for undergraduate degree requirements, the grades in those courses are not reflected in the GPA calculation.

### AP, IBDP and Course Exemptions

Advanced Placement (AP) and IBDP(International Baccalaureate Diploma Program) credits that students earned before college matriculation may be used to satisfy degree requirements. Up to 10 credits total may be granted from AP and IBDP classes, from exploratory classes, or other credit awards. For AP subjects, the official transcript from the high school with AP courses taken must be submitted along with the AP exam results. Students who only have taken AP exams without taking AP courses at their high schools cannot be approved for pre-matriculation credits.

- A maximum of 9 credits from AP examinations/IBDP subjects may be counted toward degree requirements.
- A maximum of 6 credits from AP examinations/IBDP subjects may be counted toward major requirements.
- AP examinations/IBDP subjects credit cannot be used to fulfill Common Curriculum requirements.
- UIC policies on AP, IBDP, and other external credit are subject to review and change on an annual basis.
- Students may not request credit for course work that counted toward a secondary school diploma and/or graduation requirements.
- A list of AP examinations and the corresponding UIC course exemption or credit are as follows:

AP Examinations			UIC Course Exemption		
Category	Course Title	Score	Course Code	Course Title	Awarding Credits
English	AP English Literature and Composition	5	CLC0001	AP: English Literature	3
History & Social Sciences	AP European History	5	UIC0004	AP: European History	3
	AP Macroeconomics	5	ECO1104	Principles of Macroeconomics	3
	AP Microeconomics	5	ECO1103	Principles of Microeconomics	3
	AP Psychology	5	UIC0009	AP: Psychology	3
	AP United States Government & Politics	4	POL1002	Introduction to Political Science	3
	AP United States History	5	UIC0005	AP: American History	3
	AP World History: Modern	5	UIC0006	AP: World History	3
Math & Computer Sci.	AP Calculus BC	5	MAT1001	Calculus and Vector Analysis I	3
	AP Statistics	5	STA1001	Introduction to Statistics	3
Sciences	AP Biology	5	BIO1001	General Biology and Laboratory I	3
	AP Chemistry	5	CHE1001	General Chemistry & Laboratory I	3
	AP Physics 1: Algebra-Based*	4*	PHY1001	General Physics & Laboratory I	3
	AP Physics 2: Algebra-Based*				
	AP Physics C: Electricity & Magnetism	5	PHY1001	General Physics & Laboratory I	3
	AP Physics C: Mechanics	5	PHY1001	General Physics & Laboratory I	3
World Languages & Cultures	AP French Language and Culture	5	UIC0002	AP: French Language	3
	AP German Language and Culture	5	UIC0003	AP: German Language	3
	AP Spanish Language and Culture	5	UIC0008	AP: Spanish Language	3
	AP Spanish Literature and Culture	5	CLC0004	AP: Spanish Literature	3

\* For those who completed both courses (AP Physics 1 & 2) with minimum score of 4 for each course

- A list of IBDP Subjects and the corresponding UIC course exemption or credit follows.

IBDP Subjects				UIC Course Exemption		
Category	Course Title (Level)		Score	Course Code	Course Title	Awarding Credits
Group 1: Language A1	Language A: Literature	HL	6 or Above	CLC0001	AP: English Literature	3
Group 2: Second Language	Language B-Chinese	HL		UIC0010	IB: Chinese Language	3
	Language B-Japanese	HL		UIC0011	IB: Japanese Language	3
	Language B-Spanish	HL		UIC0008	AP: Spanish Language	3
	Latin or Classical Greek	HL		CLC0003	AP: Latin Literature	3
	Language B-French	HL		UIC0002	AP: French Language	3
Group 3: Individuals & Society	Economics	HL		ECO1103	Principles of Microeconomics	3
	Global Politics	HL		POL1002	Introduction to Political Science	3
	History	HL		UIC0006	AP: World History	3
	Philosophy	HL		UIC0012	IB: Philosophy	3
	Psychology	HL		UIC0009	AP: Psychology	3
Group 4: Sciences	Biology	HL	6 or Above	BIO1001	General Biology and Laboratory I	3
	Chemistry	HL		CHE1001	General Chemistry and Laboratory I	3
	Physics	HL		PHY1001	General Physics and Laboratory I	3
Group 5: Mathematics & Computer Sciences	Mathematics	HL		MAT1001	Calculus and Vector Analysis I	3
Group 6: The Arts	Visual Arts	HL		UIC0013	IB: The Arts	3
	Film	HL				3
	Music	HL				3

### Course Add, Drop, and Withdrawal

- Students may add or drop a course during the add/drop period (usually the first week of class for the spring or fall semester).
- When a student cannot continue with a course, (s)he may withdraw the course through the Yonsei Portal System.
- Withdrawal is only allowed during the designated period.
- Withdrawn courses will be exempt from evaluation.
- Students must be registered for at least one credit after the withdrawal becomes effective.
- Students with course withdrawals are ineligible to apply for extra credits in the following semester. They are also ineligible for an academic honor roll for the semester as well as the graduate honor roll when they graduate even if their GPA may meet the requirements.
- Courses evaluated on P/NP basis are not eligible for course withdrawal.
- When a student withdraws from a course, (s)he may not register for any other course in its place.

### ■ Name or Address Change

Changes to your local or permanent address or telephone number can be entered directly in the Yonsei Portal System. The student's name entered on the permanent record may be changed if the name has been legally changed and if the change is supported by a court order. If you have changed your name legally, go to the Academic Support Team with the family tree register. Name changes for the permanent record will be made only for currently enrolled students. Diplomas may not be changed or reissued due to a name change.



## ■ Grading System

### Grading Scale

At Yonsei University, grades are due within a week after the scheduled final examination. Most courses offered by UIC are subject to absolute grading policy.

### Grade Point

- Credit courses are evaluated on a grade point basis while non-credit courses are based on Pass/Non-Pass basis.

Calculated in the Grade Point Average		Not Calculated in the Grade Point Average	
Grade	Points	Grade	Reference
A+ .....	4.3	P .....	Pass
A0 .....	4.0	NP .....	Non-Pass
A- .....	3.7	S .....	Satisfactory
B+ .....	3.3	U .....	Unsatisfactory
B0 .....	3.0	W .....	Withdrawn
B- .....	2.7		
C+ .....	2.3		
C0 .....	2.0		
C- .....	1.7		
D+ .....	1.3		
D0 .....	1.0		
D- .....	0.7		
F .....	0.0		

- The cumulative GPA includes only those courses taken for grades (A+ ~ F). A student's total grade points awarded is calculated by multiplying each assigned grade score by its respective credit hours and then adding all the resulting scores. The student's cumulative GPA is equal to the total grade points awarded divided by the total number of credit units attempted. In calculating the GPAs, the numbers will be rounded up for decimals extending beyond the hundredths. For example, if the GPA is 3.156, official GPA will be 3.16.

### Grades for Transferred Courses

Credits accepted for transfer from another institution are included in the total amount of credit applicable to degree requirements, but grades earned in such courses are not recorded on Yonsei transcript, and are not used in computing the cumulative GPA. Grades earned from institutions abroad are not recorded, but grades earned from domestic exchange universities are recorded and reflected in the GPA.

### Attendance Requirement

Attendance is required of all students. Students who are absent for 1/3 or more of the total class meetings will receive an "F" or "NP" grades regardless of their achievement in the course.

### Midterm and Final Examinations

- If a student misses one of the two regular exams (midterm or final) for a valid reason that the instructor can accept, he/she can file a petition to count 80% of the grades earned from one of the examinations taken, with official documents supporting the reason. One of the following documents will be needed for verification:
  - Official medical certificate issued from the Yonsei Health Service Center for illness
  - Death certificate for a family member's funeral

- Other documents officially supporting the reason(s)
- If a student is enlisting in the military after two thirds of the semester have passed and before the final exam, midterm grade will substitute for the final exam grade.

### **Changes in Grades**

All grades are considered final when assigned by an instructor at the end of a term. If a change is necessary, an instructor must certify in writing to the Academic Support Team that a computational or procedural error has occurred in the original assignment of a grade. A grade may not be changed as a result of re-evaluation of a student's work, re-examination or a submission of additional work after the end-of-semester grades are awarded.

### **Grades Earned by Cheating or Dishonesty**

If a student's grade is discovered to have been earned through the following, the grade will become invalid and further disciplinary actions will be enforced.

- Cheating, giving or receiving of any unauthorized aid or assistance, or the giving or receiving of unfair advantage in any form of academic work.
- Plagiarism, copying the language, structure, ideas, and/or thoughts of another, and adopting those as one's original work.
- Falsification, statement of untruth, either verbal or written, regarding any circumstances relating to academic work.
- Attempting any act which if completed would constitute an academic integrity violation as defined above.

In the case of a student who has been suspended from the university for more than one (1) month or subjected to a higher level of disciplinary action for their misconduct prior to the end of the final examination, their enrollment for the whole course of the semester will be canceled. When disciplinary action is taken due to academic dishonesty, the grade of the course shall be "F", but the procedures and standards for the processing of academic dishonesty shall be separately determined.

### **Repetition of Courses for Students admitted in 2013 and thereafter**

Common Curriculum courses (course category: CC) may not be repeated unless a student failed (Grade 'F') the course. Chapel, Volunteer Services, and Junior Seminars cannot be repeated.

For courses not listed above, students admitted in 2013 and thereafter may repeat the course up to 4 times (4-time opportunity). If a course is repeated using the 4-time opportunity, the previous grade and course credits will be removed from the student's total course credits and GPA even if the grade of the repeated course is lower than the previous grade. For a failed course, a student may repeat the course even if the student has used all of the 4-time opportunity but in such case previously received 'F' will not be removed from the GPA. In order to use the 4-time opportunity for removal of previous course credits and grade, make sure to check the box for 'Course Repeat' during the course registration and course add/drop period. This also applies to a failed CC course. If a student decides to repeat a course, the highest grade a student can receive is 'A0' (4.0). Students cannot receive 'A+' and only the most recent grade and credits will count toward graduation requirements. However, courses with 'F' do not count toward the degree requirements in any case. Repetition of a course may change the GPA but all the academic warnings will remain in effect.

### **Transcripts**

Transcripts for registered students may be issued approximately 30 days after the date of the last final exam. Students may obtain transcripts of their academic records online from the Yonsei Portal System. The university will not issue a transcript that reflects only a part of the student's record, nor will it include course titles or grades earned from non-Korean colleges or universities.

### **Undergraduate Academic Honors**

- The university may issue a list of its undergraduate honor students at the end of each semester.
- The minimum standard for honor roll listing is a 3.75 GPA for the semester, earned in a full-time undergraduate program of not fewer than 15 completed credit hours excluding the course credits that a

students chooses to be graded S/U.

- A student who withdraws from a course is not qualified for academic honors, nor is the student eligible for the additional 3 credit enrollment.
- Criteria for Distinguished Honors, High Honors, and Honors Awards
  - Distinguished honors: Students with a GPA of 4.00/4.30 or higher during the previous semester, and those within the top 1% of the students in their respective grade and field of study/college.
  - High honors: Students with a GPA of 3.75/4.00 or higher during the previous semester, and those within the top 3% of the students in their respective grade and field of study/college.
  - Honors: Students who are qualified for high honors and are within 10% of the students in their respective grade and field of study/college.
- Restrictions for Honor Roll: The following students are not eligible for honor roll.
  - Students earned less than 15 credits for the semester
  - Students withdrawn from a course
  - Student received a NP or U grade
  - Students studying beyond the normal semester
  - Students with a history of discipline

#### **Academic Warning and Dismissal**

- An undergraduate student who fails to maintain a 1.75 GPA (on a 4.30 scale) will receive an academic warning, and three warnings will result in dismissal.
- A student in his or her final semester who receives a third academic warning at the end of the semester will be dismissed even if he or she fulfills the graduation requirements.

### **■ Studying at Other Institutions**

Credit transfers are allowed to those who are in their third to seventh semesters. You must be in residence at Yonsei for the first year and last semester. The period of studying at another institution cannot exceed one year at a time.

#### **Studying at a Domestic Exchange University**

- An enrolled student who plans to take courses at a domestic exchange university for a credit transfer to Yonsei University must be in good academic standing (i.e. 3.0 or above GPA on a 4.3 scale) and must apply for the program according to the application period of host school.
- Under extenuating circumstances, in order to fulfill graduation requirements, courses taken at a domestic exchange university may be counted towards major requirements. A “Petition for Substitutions” form must be submitted to the Academic Support Team within a month of completion of the domestic exchange study.
- Grades earned in a domestic exchange university will be included in the GPA to be maintained at Yonsei University, and the credits will also count toward total number required for graduation.

#### **Exchange Student Program (ESP)**

- Applicant requirements
  - Students who have completed at least two semesters may apply for study abroad up to their 7th semester. Students must take their last semester at Yonsei in compliance with academic regulations. Those who wish to begin study abroad in their 7th semester may only apply for 1 semester and must return to spend their last semester at Yonsei. Additional semester is not considerable.
  - A student applying for ESP must be in excellent academic standing (i.e. 3.0 or above GPA on a 4.3 scale), and have a TOEFL score of IBT 79 or above.
- Application materials and selection process
  - An applicant should submit the online application form and attach the TOEFL results on the Yonsei Portal System.
  - Students who wish to apply for non-English speaking universities must take a language proficiency test given by the relevant department or the Foreign Language Institute.

- Students will be given priority in selecting the institution of study abroad according to the points they earn (GPA and language exam results combined).
- Consent of the Office of International Affairs on an application does not guarantee admission to the visiting institutions.
- A student who gives up his or her spot on an exchange program once cannot re-apply.
- Tuition: Exchange students pay their tuition to their home institution while they study at visiting institution.
- Enrollment status
  - The period students studied at a visiting institution as exchange students will count towards their residence period, but students cannot apply for graduation while they are on an exchange program.
  - Students on exchange programs are not allowed to apply for a leave of absence.
  - Students should be enrolled at Yonsei University in their last semester for graduation.

#### **Visiting Student Program (VSP): Office of International Affairs sponsored programs only**

- Applicant requirements: Students applying for VSP must be in excellent academic standing (i.e. 3.0 or above GPA on a 4.3 scale), and have a TOEFL score of IBT 79 or above.
- Application materials and selection process
  - An applicant should submit the online application form and attach the TOEFL results on the Yonsei Portal System.
  - Students will be given priority in selecting the institution of study abroad according to the points they earn.
- Tuition: Visiting students pay their tuition both to Yonsei University and to the visiting institutions.
- Enrollment status: The period during which students studied at a visiting institution as a visiting student will count toward their residence period at Yonsei.

#### **Study Abroad Program (SAP)**

- Applicant requirements: Students applying for SAP must be in excellent academic standing (i.e. 3.0 or above GPA on a 4.3 scale), and have a TOEFL score of IBT 79 or above, but this qualification is not mandatory for short term study abroad programs (summer/winter sessions) or non-degree courses.
- Application materials and selection process
  - Applicant should submit the application form along with other materials to the Office of Academic Affairs. Application materials differ from the universities which students apply for and thus, please refer to the Yonsei website for detailed information.
  - The vice president for academic affairs will verify and approve whether or not the program is suitable for credit transfers on the basis of the recommendations of the department chair and dean of the college.
- Tuition: Non-exchange students pay their tuition to the visiting institutions while they study at visiting institutions.
- Enrollment status: The period during which students studied at a visiting institution as a non-exchange student will not count toward their residence period at Yonsei. Students should take a leave of absence for studying abroad.

#### **Limitation on Credit Transfer**

- The limitation on transferred credits to Yonsei is as follows:

	2007-1 semester and before	2007-2 semester and after
One Semester	Up to 15 credits	Up to 1/8 of total credits for graduation
Two Semesters	Up to 32 credits	Up to 1/4 of total credits for graduation
Winter/Summer	Up to 7 credits	

- A maximum of 3 credits from non-degree study abroad programs (such as language and culture programs, internships abroad, etc.) may be counted toward the degree requirements.
- To transfer the credits a student earned from the visiting institution to Yonsei University, approvals from the

department chair and the vice president for international affairs are required.

- On completing the study abroad program, the 'Credit Transfer Form' must be submitted to the Academic Support Team along with an official transcript or certificate issued from the visiting institution.