

English Course Syllabus

for Undergraduate Incoming Exchange Student

1. 2023 Spring : p.1 ~ p.505

2. 2023 Fall : p.506 ~ p.1090



Office of International Affairs
Incheon National University

+82-32-835-9573~7
inbound@inu.ac.kr

<https://global.inu.ac.kr>



English Course Syllabus

for Undergraduate Incoming Exchange Student

2023 Spring Semester (~p.505)



Office of International Affairs
Incheon National University

+82-32-835-9573~7
inbound@inu.ac.kr

<https://global.inu.ac.kr>



Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Level 1 Korean 2	Course Number	0000552001
Major / School Year	Dept. of Korean Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature / 송원용	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP503:월(8B-9),화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

Korean Class for the beginners who have never studied or studied less than 100 hours.
 This is the class which has same curriculum as Level 1 Korean practice (2).
 Please, DO NOT enroll both classes or you are going to learn same thing twice.
 We will provide placement session for every beginner students in the first week of the semester to give you the guide for your enrollments. :-)

[2] Course Learning Outcomes

Learn how to communicate in daily situation in Korean.

[3] Class Delivery Method

All time face to face class with textbook and PPT. There will be lots of the interactions between your classmates during my classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	10 %	0 %	30 %	20 %	10 %	10 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	20 %	10 %	50 %	20 %

[4] Grading Policies

Quiz scores after every units: 50%
 Oral test as a final test: 10%
 Attendance: 20%(minus 2 points for one absence without any notice)
 Assignment: 5 points per one role playing video clip

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Tow ponds	Textbook	Active Korean 1	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation & Introduction
Second week	It's Hanguel time (1)
Third week	No Class for official overseas business trip
Fourth week	Remote Classes through Zoom It's Hanguel time (2)
Fifth week	Unit 2. Greetings & Introduction
Sixth week	Unit 3-1. Restaurant (1)
Seventh week	Unit 3-2. Restaurant (2)
Eighth week	Unit 3-3. Restaurant (3) Unit 4-1. Shopping (1)
Ninth week	Unit 4-2. Shopping (2)
Tenth week	Unit 4-3. Shopping (3)
Eleventh week	Unit 5-1. Daily Life (1)
Twelfth week	Unit 5-2. Daily Life (2)
Thirteenth week	Unit 6-1. Date & Time (1)
Fourteenth week	Unit 6-2. Date & Time (2)
Fifteenth week	Unit 7-1. Appointment (1)
Sixteenth week	make-up class Unit 7-2. Appointment(2)

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Level 1 Korean Practice 2	Course Number	0000554001
Major / School Year	Dept. of Korean Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature / 채숙희	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP503:수(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

Korean class for the beginners who have never studied or studied less than 100 hours.

* This is the class which has the same curriculum as Level 1 Korean 2.

Please, DO NOT enroll both classes.

We will provide placement session for every beginner student in the first week of the semester to give you the guide for your enrollment.

[2] Course Learning Outcomes

At the end of this course students will be able to:

- Develop basic Korean communication skills
- Use Korean Alphabet
- Use essential vocabulary, grammar and expressions for everyday situations

[3] Class Delivery Method

Lecture, practice, interactive activities, presentation

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	SNU LEI	Publisher	Two Ponds	Textbook	Active Korean 1	Issued year	2006
(2)	Author	SNU LEI	Publisher	Two Ponds	Textbook	Active Korean Workbook 1	Issued year	2010
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation & Introduction
Second week	Unit 1: Hangeul
Third week	Unit 1: Hangeul
Fourth week	Unit 2: Greetings & Introductions
Fifth week	Unit 2 : Greetings & Introductions
Sixth week	Unit 3: Restaurant
Seventh week	Unit 3: Restaurant
Eighth week	Unit 4: Shopping
Ninth week	Unit 4: Shopping
Tenth week	Unit 5: Daily Life
Eleventh week	Unit 5: Daily Life
Twelfth week	Unit 6: Time
Thirteenth week	Unit 6: Time
Fourteenth week	Unit 7: Appointment
Fifteenth week	Unit 7: Appointment
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION(1)	Course Number	AIB6093001
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP405:월(6),수(3)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly use learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographic	Textbook	World English 2	Issued year	2015
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus (Complete syllabus given on first day) Class Introduction
Second week	Chapter 1: Food from the Earth
Third week	Chapter 2: Express Yourself
Fourth week	Chapter 3: Cities
Fifth week	Chapter 4: The Body
Sixth week	Chapter 5: Challenges
Seventh week	Chapter 7: Luxuries
Eighth week	Midterm Exam
Ninth week	Chapter 8: Nature
Tenth week	Chapter 9: Life in the Past
Eleventh week	Chapter 10: Travel
Twelfth week	Chapter 11: Careers
Thirteenth week	Chapter 12: Celebrations
Fourteenth week	Solo Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION(1)	Course Number	AIB6093004
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP403:수(1),금(1)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve student's communicative ability and for them to increase their skill in speaking English. Not only will the students be practising to improve their English but they will also be learning how to employ communication strategies to increase their ability to hold conversations in English. Another purpose of this course is to teach the target language of the class to the students, the target language coming from their textbook and being grammar, functional language and vocabulary.

[2] Course Learning Outcomes

By the end of this course students will be able to start and carry on a conversation on any general topic for 5 minutes. They will be able to employ conversation strategies that will enable to extend, change or finish any conversation that they participate in. The students will also be able to use the target language that they have learned in class in conversations and in general writing.

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographic Learning / Cengage Learning	Textbook	World English 2	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introductions
Second week	Unit 2: Express Yourself
Third week	Unit 3: Cities
Fourth week	Unit 4: The Body
Fifth week	Unit 5: Challenges
Sixth week	Unit 7: Luxuries
Seventh week	Quiz
Eighth week	Midterm Test
Ninth week	Unit 8: Nature
Tenth week	Unit 9: Life in the Past
Eleventh week	Unit 10: Travel
Twelfth week	Discussion Day
Thirteenth week	Unit 11: Careers
Fourteenth week	Quiz
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION(1)	Course Number	AIB6093003
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:월(6)] [SP403:수(3)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve student's communicative ability and for them to increase their skill in speaking English. Not only will the students be practising to improve their English but they will also be learning how to employ communication strategies to increase their ability to hold conversations in English. Another purpose of this course is to teach the target language of the class to the students, the target language coming from their textbook and being grammar, functional language and vocabulary.

[2] Course Learning Outcomes

By the end of this course students will be able to start and carry on a conversation on any general topic for 5 minutes. They will be able to employ conversation strategies that will enable to extend, change or finish any conversation that they participate in. The students will also be able to use the target language that they have learned in class in conversations and in general writing.

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographic Learning / Cengage Learning	Textbook	World English 2	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introductions
Second week	Unit 2: Express Yourself
Third week	Unit 3: Cities
Fourth week	Unit 4: The Body
Fifth week	Unit 5: Challenges
Sixth week	Unit 7: Luxuries
Seventh week	Quiz
Eighth week	Midterm Test
Ninth week	Unit 8: Nature
Tenth week	Unit 9: Life in the Past
Eleventh week	Unit 10: Travel
Twelfth week	Discussion Day
Thirteenth week	Unit 11: Careers
Fourteenth week	Quiz
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION(1)	Course Number	AIB6093002
Major / School Year	Dept. of English Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:수(1),금(1)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly use learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographic	Textbook	World English 2	Issued year	2015
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus (Complete syllabus given on first day) Class Introduction
Second week	Chapter 1: Food from the Earth
Third week	Chapter 2: Express Yourself
Fourth week	Chapter 3: Cities
Fifth week	Chapter 4: The Body
Sixth week	Chapter 5: Challenges
Seventh week	Chapter 7: Luxuries
Eighth week	Midterm Exam
Ninth week	Chapter 8: Nature
Tenth week	Chapter 9: Life in the Past
Eleventh week	Chapter 10: Travel
Twelfth week	Chapter 11: Careers
Thirteenth week	Chapter 12: Celebrations
Fourteenth week	Solo Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Understanding of English Grammar	Course Number	0006969001
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윤소연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:목(4-5A)] [SP403:월(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course will provide students with comprehensive knowledge of English grammar. We will discuss the basic concepts and major topics in English grammar, mostly in terms of traditional grammar. The topics that will be covered in this course include verb tenses, agreement, modals, gerunds, infinitives, conditional sentences etc.

[2] Course Learning Outcomes

In the end, students will be able to produce grammatical and decent expressions when writing and speaking in English.

[3] Class Delivery Method

Note that the lecture will be delivered in English.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Murphy, Raymond, William R. Smalzer, and Joseph Chapple.	Publisher	Cambridge University Press.	Textbook	Grammar in Use Intermediate: American English (4th Ed.)	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction & Grammar Terminology
Second week	Present and Past
Third week	Present Perfect and Past Future
Fourth week	Modals
Fifth week	Passives if and wish
Sixth week	Exam 1 (for Week 2, 3, 4) Reported Speech / Questions and Auxiliary Verbs
Seventh week	-ing and to
Eighth week	Articles and Nouns
Ninth week	Exam 2 (for Week 5, 6, 7) Pronouns and Determiners
Tenth week	Relative Clauses Reduction of Adverb Clauses
Eleventh week	Adjectives and Adverbs
Twelfth week	Exam 3 (for Week 8, 9, 10) Conjunctions and Prepositions
Thirteenth week	Prepositions Phrasal Verbs
Fourteenth week	advanced grammar Wrap up
Fifteenth week	Exam 5 (for Week 11, 12, 13)
Sixteenth week	

[7] Assignments

The first assignment	assignment	Daily assignment	submission date	
	purpose	that contain grammar topics covered in the week.		
	procedure & notice	The sentences must be authentic (actually used in news articles, fictions, magazines, dramas, movies, commercials, etc.), not selected from grammar textbooks or grammar instructing media as made-up examples. They need to submit the sentences to the e-learning, before the next class, in the following forms. (Please type in the dialogue box directly. Do not attach a file.) Sentence with the grammar topic underlined (Source) Explain the grammar.		
	references			
The second assignment	assignment	group assignment	submission date	
	purpose			
	procedure & notice	Students will make a group of 2-3 members. They will select a leader, who will be communicating with the instructor. The groups job is to compile the sentences that the students submitted and make 10 problems out of them. These problems will be used for the exams. In other words, students are responsible for the exams! The groups will discuss the problem sets before the sets are turned into the actual exams.		
	references			
	assignment		submission date	

The third assignment	purpose	
	procedure & notice	
	references	

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Foundations of English Literature	Course Number	0007859001
Major / School Year	Dept. of English Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 조승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:금(5B-6)] [SP317:수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

The primary purpose of this course is to introduce students to the works of English literature encompassing fiction, poetry, and drama. Students will be exposed to the fascinating diversity of canonical texts, including essays, short stories, satire, and prose narratives. We will focus on the significant but many times subtle differences between those genres and examine their unique way of representing and responding to reality, appreciating why readers in the past found them so appealing.

[2] Course Learning Outcomes

This course is designed to give students some basic sense of critical reading and writing, the two seminal skills in studying English literature, which would prepare them for upper-level English courses. This course is suited for first-year students with an English major.

[3] Class Delivery Method

This course will be a heavily discussion-based class, in which all students are required to participate more or less. In addition, students will be involved in some extensive writing tasks, including essay assignments and discussion logs. This course is designed to be a traditional text-based class but also accommodates a multi-modal structure. So our course materials will include slides, Youtube video clips, images, music, and movies.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Your participation will be graded holistically as a letter grade based on attendance, your performance in any class activities, and your overall contributions to in-class discussion.

Unexcused absences will be counted against your participation grade by one full percentage point per day. If there is an unavoidable reason for your absence, let me know as soon as possible so we can discuss how to make up for your missed work and render the absence excused.

Final grades will be determined by your attendance, in-class participation (including your pop-up quiz score), midterm exam, and final paper performance.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Eds. Stephen Greenblatt et al.	Publisher	W. W. Norton	Textbook	The Norton Anthology of English Literature vol. 1. 8th ed.	Issued year	2006
(2)	Author	Eds. Stephen Greenblatt et al.	Publisher	W. W. Norton	Textbook	The Norton Anthology of English Literature vol. 2. 8th ed.	Issued year	2006
(3)	Author	Eds. Stephen Greenblatt et al.	Publisher	W. W. Norton	Textbook	Norton Anthology of American Literature. 8th ed.	Issued year	2006

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction / Poetry (Meter, Rhyme, Voice) Introduction / A. E. Housman, When I was One-and-Twenty * Note: There will be four quizzes, which will be randomly assigned to students at any time during the course weeks. The quizzes consist of three or four questions, designed to check if they complete the reading assignments with a basic understanding of texts.
Second week	Close Reading Practice John Donne, The Flea / George Herbert, The Altar
Third week	Satire (Irony, Sarcasm, and Social Criticism) Jonathan Swift, A Modest Proposal Assignment #1 Poetry Recital
Fourth week	Prose Francis Bacon, Of Truth, Of Marriage and Single Life, and Of Studies from Essays
Fifth week	Sonnet/Shakespeares Language William Shakespeare, Sonnet 18 (Shall I compare thee to a summers day?) & Sonnet 116 (Let me not to the marriage of true minds)
Sixth week	Drama/Shakespeare (Plot, Character, and Dialogue) William Shakespeare, excerpt from Romeo and Juliet
Seventh week	Romeo+Juliet (movie)
Eighth week	Mid-term Exam
Ninth week	Fiction vs. Reality Oscar Wilde, The Decay of Lying
Tenth week	Short Story/Novella (Narrative, Setting, Theme, Point of View) Kate Chopin, The Story of an Hour
Eleventh week	Robert Frost, Stopping by Woods on a Snowy Evening / W. B. Yeats, The Crazy Jane Talks with the Bishop
Twelfth week	Henry David Thoreau, excerpt from Walden
Thirteenth week	Raymond Carver, Cathedral
Fourteenth week	Raymond Carver, Cathedral Assignment #2: Response Paper Deadline
Fifteenth week	Final Exam
Sixteenth week	Assignment #3: Paper Revision (optional) Deadline

[7] Assignments

The first assignment	assignment	Poetry Recital	submission date	
	purpose	To have an intuitive understanding of the form of English poetry and the function of various mediums like diction, syntax, voice, rhythm, and figure.		
	procedure & notice	Students will be asked to memorize one poem out of four and write it down at the beginning of the class. If there are any volunteers, they may recite a poem before their peers (one bonus point will be added to their total participation grade).		
	references			
The second assignment	assignment	Response Paper	submission date	
	purpose	To get used to the basics of analytic writing; to distinguish interpretation from summary; to learn a correct form of citation;		
	procedure & notice	Students will be required to write a one-page response paper by picking out a few phrases or a particular scene they think is important to note. Then, they should describe why they chose each based on textual evidence. They can tackle any texts they have read during the semester, but the paper must be submitted before the final exam (Week 15).		
	references	Excerpt from MLA handbook; Purdue OWL (https://owl.purdue.edu/owl/)		
			submission	

The third assignment	assignment	Response Paper (Optional Revision)	date	
	purpose	To learn advanced analytic writing; to write an essay with a relevant question or problem, a clear thesis statement, and a logical ordering.		
	procedure & notice	Students, if they want, can submit a revised response paper based on the instructors feedback. To do so, they will be introduced to some important revision strategies outlined in Sommerss article. This assignment is not mandatory, but it will offer one bonus point to students who complete this task.		
	references	Nancy Sommers, Revision Strategies of Student Writers and Experienced Adult Writers		

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Foundations of English Literature	Course Number	0007859002
Major / School Year	Dept. of English Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 조승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:금(7-8A)] [SP317:수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

The primary purpose of this course is to introduce students to the works of English literature encompassing fiction, poetry, and drama. Students will be exposed to the fascinating diversity of canonical texts, including essays, short stories, satire, and prose narratives. We will focus on the significant but many times subtle differences between those genres and examine their unique way of representing and responding to reality, appreciating why readers in the past found them so appealing.

[2] Course Learning Outcomes

This course is designed to give students some basic sense of critical reading and writing, the two seminal skills in studying English literature, which would prepare them for upper-level English courses. This course is suited for first-year students with an English major.

[3] Class Delivery Method

This course will be a heavily discussion-based class, in which all students are required to participate more or less. In addition, students will be involved in some extensive writing tasks, including essay assignments and discussion logs. This course is designed to be a traditional text-based class but also accommodates a multi-modal structure. So our course materials will include slides, Youtube video clips, images, music, and movies.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	10 %	0 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	30 %	0 %	20 %	10 %	20 %	0 %

[4] Grading Policies

Your participation will be graded holistically as a letter grade based on attendance, your performance in any class activities, and your overall contributions to in-class discussion.

Unexcused absences will be counted against your participation grade by one full percentage point per day. If there is an unavoidable reason for your absence, let me know as soon as possible so we can discuss how to make up for your missed work and render the absence excused.

Final grades will be determined by your attendance, in-class participation (including your pop-up quiz score), midterm exam, and final paper performance.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Eds. Stephen Greenblatt et al.	Publisher	W. W. Norton	Textbook	The Norton Anthology of English Literature vol. 1. 8th ed.	Issued year	2006
(2)	Author	Eds. Stephen Greenblatt et al.	Publisher	W. W. Norton	Textbook	The Norton Anthology of English Literature vol. 2. 8th ed.	Issued year	2006
(3)	Author	Eds. Stephen Greenblatt et al.	Publisher	W. W. Norton	Textbook	Norton Anthology of American Literature. 8th ed.	Issued year	2006

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction / Poetry (Meter, Rhyme, Voice) Introduction / A. E. Housman, When I was One-and-Twenty * Note: There will be four quizzes, which will be randomly assigned to students at any time during the course weeks. The quizzes consist of three or four questions, designed to check if they complete the reading assignments with a basic understanding of texts.
Second week	Close Reading Practice John Donne, The Flea / George Herbert, The Altar
Third week	Satire (Irony, Sarcasm, and Social Criticism) Jonathan Swift, A Modest Proposal Assignment #1 Poetry Recital
Fourth week	Prose Francis Bacon, Of Truth, Of Marriage and Single Life, and Of Studies from Essays
Fifth week	Sonnet/Shakespeares Language William Shakespeare, Sonnet 18 (Shall I compare thee to a summers day?) & Sonnet 116 (Let me not to the marriage of true minds)
Sixth week	Drama/Shakespeare (Plot, Character, and Dialogue) William Shakespeare, excerpt from Romeo and Juliet
Seventh week	Romeo+Juliet (movie)
Eighth week	Mid-term Exam
Ninth week	Fiction vs. Reality Oscar Wilde, The Decay of Lying
Tenth week	Short Story/Novella (Narrative, Setting, Theme, Point of View) Kate Chopin, The Story of an Hour
Eleventh week	Robert Frost, Stopping by Woods on a Snowy Evening / W. B. Yeats, The Crazy Jane Talks with the Bishop
Twelfth week	Henry David Thoreau, excerpt from Walden
Thirteenth week	Raymond Carver, Cathedral
Fourteenth week	Raymond Carver, Cathedral Assignment #2: Response Paper Deadline
Fifteenth week	Final Exam
Sixteenth week	Assignment #3: Paper Revision (optional) Deadline

[7] Assignments

The first assignment	assignment	Poetry Recital	submission date	
	purpose	To have an intuitive understanding of the form of English poetry and the function of various mediums like diction, syntax, voice, rhythm, and figure.		
	procedure & notice	Students will be asked to memorize one poem out of four and write it down at the beginning of the class. If there are any volunteers, they may recite a poem before their peers (one bonus point will be added to their total participation grade).		
	references			
The second assignment	assignment	Response Paper	submission date	
	purpose	To get used to the basics of analytic writing; to distinguish interpretation from summary; to learn a correct form of citation;		
	procedure & notice	Students will be required to write a one-page response paper by picking out a few phrases or a particular scene they think is important to note. Then, they should describe why they chose each based on textual evidence. They can tackle any texts they have read during the semester, but the paper must be submitted before the final exam (Week 15).		
	references	Excerpt from MLA handbook; Purdue OWL (https://owl.purdue.edu/owl/)		
			submission	

The third assignment	assignment	Response Paper (Optional Revision)	date	
	purpose	To learn advanced analytic writing: to write an essay with a relevant question or problem, a clear thesis statement, and a logical ordering.		
	procedure & notice	Students, if they want, can submit a revised response paper based on the instructors feedback. To do so, they will be introduced to some important revision strategies outlined in Sommerss article. This assignment is not mandatory, but it will offer one bonus point to students who complete this task.		
	references	Nancy Sommers, Revision Strategies of Student Writers and Experienced Adult Writers		

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION(3)	Course Number	AIB6007001
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP405:목(4),금(6)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly use learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jessica Williams	Publisher	National Geographic Learning	Textbook	21st Century Communication	Issued year	2017
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus (Complete syllabus given on first day) Class Introduction
Second week	Chapter 1: Secret Wishes
Third week	Chapter 1: Secret Wishes
Fourth week	Chapter 2: Changing Climate, Changing Minds
Fifth week	Chapter 2: Changing Climate, Changing Minds
Sixth week	Discussion Day
Seventh week	Solo Presentations
Eighth week	Midterm Exam
Ninth week	Chapter 3: Unexpected Discoveries
Tenth week	Chapter 3: Unexpected Discoveries
Eleventh week	Discussion Day
Twelfth week	Chapter 4: The Business of Style
Thirteenth week	Chapter 4: The Business of Style
Fourteenth week	Discussion Day
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION(3)	Course Number	AIB6007002
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP301:목(4)] [SP317:금(6)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve students communicative ability and for them to increase their skill in speaking English. Not only will the students be practising to improve their English but they will also be learning how to employ communication strategies to increase their ability to hold conversations in English. Another purpose of this course is to teach the target language of the class to the students, the target language coming from their textbook and being grammar, functional language and vocabulary.

[2] Course Learning Outcomes

By the end of this course students will be able to start and carry on a conversation on any general topic for 5 minutes. They will be able to employ conversation strategies that will enable to extend, change or finish any conversation that they participate in. The students will also be able to use the target language that they have learned in class in conversations and in general writing.

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographic Learning / Cengage Learning	Textbook	21st Century Communication : Listening, Speaking and Critical Thinking 2	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction / Class Orientation
Second week	Unit 1: Secret Wishes
Third week	Unit 1: Secret Wishes
Fourth week	Unit 2: Changing Climate, Changing Minds
Fifth week	Unit 2: Changing Climate, Changing Minds
Sixth week	Discussion Week
Seventh week	Quiz
Eighth week	Midterm Test
Ninth week	Unit 3: Unexpected Discoveries
Tenth week	Unit 3: Unexpected Discoveries
Eleventh week	Unit 4: The Business of Style
Twelfth week	Unit 4: The Business of Style
Thirteenth week	Discussion Week
Fourteenth week	Quiz
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH COMPOSITION2	Course Number	AIB6097001
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP403:월(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

Students will learn how to write more detailed, complex essays, using a wide variety of methods. This class will be easier for students who have completed English Writing 1 or for students who know the basic structure of a English paragraph and essay.

[2] Course Learning Outcomes

By the end of class, students will be familiar with and be able to write a well-organized, longer paper. Students will also review skills in writing organized paragraphs and essays.

[3] Class Delivery Method

Students will work alone and in pairs to complete bookwork, worksheets, and writing assignments along with listening to lectures and presentations on the material given by the teacher.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Title	Textbook	Issued year
(1)	Keith S. Folse, April Muchmore-Vokoun, and Elena Vestri Solomon	National Geographic Learning and Cengage Learning	Great Writing 4		2014
(2)					
(3)					

[Reference books]

No.	Author	Publisher	Title	Textbook	Issued year
(1)					
(2)					
(3)					
(4)					
(5)					

[Other books]

[6] Weekly lesson plans

First week	Syllabus (Complete syllabus given on first day) Class Introduction
Second week	Chapter 1: Exploring the Essay
Third week	Chapter 1: Exploring the Essay
Fourth week	Chapter 2: Narrative Essays
Fifth week	Chapter 2: Narrative Essays
Sixth week	Chapter 3: Comparison Essays
Seventh week	Chapter 3: Comparison Essays
Eighth week	Midterm Writing Exam
Ninth week	Chapter 4: Cause–Effect Essays
Tenth week	Chapter 4: Cause–Effect Essays
Eleventh week	Chapter 5: Argument Essays
Twelfth week	Chapter 5: Argument Essays
Thirteenth week	Chapter 6: Other Forms of Academic Writing
Fourteenth week	Chapter 6: Other Forms of Academic Writing
Fifteenth week	Final Writing Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH COMPOSITION2	Course Number	AIB6097002
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:월(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to build upon the 1st years composition class and give students more exposure to different kinds of essays. This class will look at the components of essays and how to successfully write a good essay.

[2] Course Learning Outcomes

By the end of this course, students will be able to:

- Write narrative essays
- Write comparison essays
- Write cause-effect essays
- Write argument essays

[3] Class Delivery Method

The method of teaching will be more teacher led than in conversation classes but will still require the students to interact with each other in English. A slightly altered communicative method approach is used by the teacher and will be adapted to suit this writing based class.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Ketih S. Folse, April Muchmore-Vokoun, Elena Vestri Solomon	National Geographic / Cengage Learning	Great Writing 4 (Great Essays)	
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introductions and Orientation
Second week	Unit 1: Exploring the Essay
Third week	Unit 1: Exploring the Essay
Fourth week	Unit 2: Narrative Essays
Fifth week	Unit 2: Narrative Essays
Sixth week	Unit 3: Comparison Essays
Seventh week	Unit 3: Comparison Essays
Eighth week	Midterm
Ninth week	Unit 4: Cause-effect Essays
Tenth week	Unit 4: Cause-effect Essays
Eleventh week	Unit 5: Argument Essays
Twelfth week	Unit 5: Argument Essays
Thirteenth week	Unit 6: Reaction/response Essays
Fourteenth week	Unit 6: Written Exam and Essay Questions
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTRODUCTORY ENGLISH LIGUISTICS	Course Number	AIB6001001
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP403:월(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

According to linguists, human language is an abstract knowledge in the mind. This course is to provide what kind of knowledge we have about language, especially the English language. The students will learn about the various subfields including semantics, pragmatics, syntax, morphology, and phonology. In addition, they will study language variation and change and some issues about language acquisition. The students will be prepared for more advanced coursework in linguistics.

[2] Course Learning Outcomes

According to linguists, human language is an abstract knowledge in the mind. This course is to provide what kind of knowledge we have about language, especially the English language. The students will learn about the various subfields including semantics, pragmatics, syntax, morphology, and phonology. In addition, they will study language variation and change and some issues about language acquisition. The students will be prepared for more advanced coursework in linguistics.

[3] Class Delivery Method

lecturing
discussion
solving problems

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	10 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	0 %	70 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
70 %	20 %	10 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook	Issued year
	Frank Parker and Kathryn Riley	Pearson		Linguistics for Non-Linguists: A Primer with Exercises	2014
(2)					
(3)					

[Reference books]

(1)	Author	Publisher		Textbook	Issued year
(2)					
(3)					
(4)					
(5)					

[Other books]

Fromkin, V., Rodman, R., and Hyams, N. (2017) An Introduction to Language, 11th ed. Cengage Learning.

[6] Weekly lesson plans

First week	Course introduction; Foundations of linguistics Understanding the nature of human language
Second week	pp. 28–35 Pragmatics Implicature (Conversation Maxims), Speech Acts (A Taxonomy of Illocutionary Acts, Felicity Conditions)
Third week	pp. 35–42 Pragmatics Speech Acts (Explicit vs. Nonexplicit Illocutionary Acts) pp. 50–55 Semantics Background, Sense (Lexical Ambiguity, Synonymy, Hyponymy)
Fourth week	pp. 55–61 Semantics Sense (Overlap, Antonymy), Reference
Fifth week	pp. 62–67 Semantics Truth
Sixth week	pp. 71–84 Syntax Categories, Left-to-Right Ordering, Constituent Structure
Seventh week	pp. 84–96 Syntax X-Bar Syntax, Transformations
Eighth week	Midterm Exam
Ninth week	pp. 103–112 Morphology Morphemes, Lexical and Grammatical Morphemes, Inflectional and Derivational Morphemes (Inflectional Affixes)
Tenth week	pp. 112–119 Morphology Derivational Affixes, Word-Formation Processes
Eleventh week	pp. 123–134 Phonology Vocal Tract, Segments, Phonemic Alphabet
Twelfth week	pp. 134–145 Phonology Levels of Representation, Phonological Rules
Thirteenth week	pp. 172–228 Language Variation and Change
Fourteenth week	pp. 229–287 Language Acquisition
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Draw tree diagrams	submission date	2023-04-19 Wed
	purpose	Learning syntactic categories and constituent structures		
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH AND AMERICAN SHORT STORIES	Course Number	AIB6003001
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 조승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:수(2B-3),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course explores a wide range of British/American short fiction, including many canonical works of modern/contemporary writers. We will approach these texts from various angles, focusing on their mimetic language and narrative strategies: their invention of complex human characters; their unique way of representing the themes of death, love, politics, power, and gender. This is also an attempt to think about how we can connect ourselves to the literary works of the past, being attentive to what they speak to today's readership.

[2] Course Learning Outcomes

Throughout this course, we will learn how to read literary texts critically and the basics of analytic writing, both of which would help us be better prepared for the more advanced-level classes in the future. This course is appropriate for all students, from those in their first semester to senior English majors.

[3] Class Delivery Method

This course will be a heavily discussion-based class, in which all students are required to participate more or less. In addition, students will be involved in some extensive writing tasks, including essay assignments and discussion logs. This course is designed to be a traditional text-based class but also accommodates a multi-modal structure. So our course materials will include slides, Youtube video clips, images, music, and movies.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	10 %	0 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	30 %	0 %	20 %	0 %	20 %	0 %

[4] Grading Policies

Your participation will be graded holistically as a letter grade based on attendance, your performance in any class activities, and your overall contributions to in-class discussion.

Unexcused absences will be counted against your participation grade by one full percentage point per day. If there is an unavoidable reason for your absence, let me know as soon as possible so we can discuss how to make up for your missed work and render the absence excused.

Final grades will be determined by your attendance, in-class participation (including your pop-up quiz score), midterm exam, and final paper performance.

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Eds.	Publisher	Textbook	Issued year
(1)	Author	Eds. Stephen Greenblatt et al.	W. W. Norton	The Norton Anthology of English Literature vol. 2. 8th ed.	2006
(2)	Author	Eds. Stephen Greenblatt et al.	W. W. Norton	The Norton Anthology of American Literature. 8th ed.	2006
(3)	Author	Eds. Stephen Greenblatt et al.	W. W. Norton	The Norton Anthology of Short Fiction. 7th ed.	2006

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	James Wood	Picador	How Fiction Works	2018
(2)	E. M. Forster	Mariner Books	Aspects of the Novel	1956
(3)	Erich Auerbach	Princeton UP	Mimesis: The Representation of Reality in Western Literature	2013
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction / Edgar Allan Poe, The Tell-Tale Heart * Note: There will be four quizzes, which will be randomly assigned to students at any time during the course weeks. The quizzes consist of three or four questions, designed to check if they completed the reading assignments with a basic understanding of the texts.
Second week	Nathaniel Hawthorne, Wakefield
Third week	Nathaniel Hawthorne, Wakefield
Fourth week	Anton Chekhov, Lament (or Misery)
Fifth week	Shirley Jackson, The Lottery
Sixth week	Shirley Jackson, The Lottery
Seventh week	Virginia Woolf, A Haunted House / Franz Kafka, Before the Law Response Paper #1 Deadline
Eighth week	Two Days, One Night (film) Mid-term Exam
Ninth week	Henry James, Daisy Miller: A Study* Note: An asterisk mark (*) indicates texts that are significantly longer than other stories. The marked texts may require more time and critical attention for reading.
Tenth week	Henry James, Daisy Miller: A Study*
Eleventh week	Ernest Hemingway, Hills like White Elephants / Angela Carter, The Snow Child
Twelfth week	George Orwell, Shooting an Elephant
Thirteenth week	Lorrie Moore, How to Become a Writer
Fourteenth week	Lorrie Moore, How to Become a Writer Assignment #1 Response Paper Deadline
Fifteenth week	Final Exam
Sixteenth week	Assignment #2: Paper Revision (optional) Deadline

[7] Assignments

The first assignment	assignment	Response Paper #1	submission date	
	purpose	To learn advanced analytic writing; to write an essay with a relevant question or problem, a clear thesis statement, and a logical ordering; to lay the foundation for future paperwork assigned in English courses.		
	procedure & notice	Students will be asked to focus on a few specific elements of short storiesplot, character, narrator, or theme, and write how those elements affect their understanding of the entire text within 500 words. Or, they may come up with their own questions out of their reading and critically respond to them. They can tackle any texts they have read during the semester, but the paper must be submitted before the final exam (Week 15).		
	references	Excerpt from MLA handbook, Purdue OWL (https://owl.purdue.edu/owl/)		
The second assignment	assignment	Response Paper (Optional Revision)	submission date	
	purpose	To be accustomed to the revision process and understand it as a part of (re) writing more than lexical/semantic changes.		
	procedure & notice	Students, if they want, can submit a revised response paper based on the instructors feedback. To do so, they will be introduced to some important revision strategies outlined in Sommerss article. This assignment is not mandatory, but it will offer one bonus point to students who complete this task.		

	references	Nancy Sommers, Revision Strategies of Student Writers and Experienced Adult Writers		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to Poetry	Course Number	0010770001
Major / School Year	Dept. of English Language & Literature / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 하인혜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP301:화(5B-6)] [SP403:목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

A notable tradition in poetry looks outward, training its eye on the natural phenomena of the world around us. Poetry is thus uniquely gifted to examine our intricate human dependency on natural resources. The early twenty-first century, when many vital ecosystems across the globe are nearing critical breakdown, marks an historical crossroads for human civilization, and an urgent opportunity for us to re-evaluate our own cultural resources in meeting the global challenge of sustainability.

In this course, we will read poems drawn from five centuries of English-language verse in the context of current research in the environmental sciences, and discuss poetry's relevance to the larger imperatives of the sustainability movement gathering strength worldwide. In doing so, this course invites students to explore such a variety of poems with a focus on POETIC FORMS, STRUCTURE, and DISTINCT THEMES.

[2] Course Learning Outcomes

Students who do the reading, attend lectures, complete assignments, and participate fully in class discussions should achieve the following:

- As students will read closely a limited set of representative works built on different poetic traditions across different time periods, they are expected to PRACTICE CLOSE READING of texts across a variety of British and American poems.
- As well as developing skills in close reading, students will produce written analysis of texts using a variety of interpretative strategies, and engage with ideas that are important to literary scholars.
- Students are to identify and analyze a reader's emotional engagement with the works assigned in class.
- Students will acquire familiarity with generic terms like 'sonnet,' 'georgic,' 'lyric,' 'epic,' 'mock heroic,' 'satire,' 'pastoral,' 'landscape poetry,' and so on.

[3] Class Delivery Method

Lecture, Discussion, and Presentation

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Course Reader	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to Class Poetic Forms & Periodization
Second week	Intro to SONNETS (PETRARCHAN & SHAKESPEAREAN) – Sir Thomas Wyatt – Earl of Surrey
Third week	Shakespeare's Sonnet Sequence (I)
Fourth week	Shakespeare's Sonnet Sequence (II)
Fifth week	John Donne
Sixth week	Marlowe and Marvell
Seventh week	Robert Herrick
Eighth week	Midterm Exam
Ninth week	Charlotte Smith & Anna Barbauld
Tenth week	Wordsworth & Shelley
Eleventh week	Walt Whitman & Emily Dickinson (I)
Twelfth week	Walt Whitman & Emily Dickinson (II)
Thirteenth week	Animal Poems and the Modern Poetry (I)
Fourteenth week	Animal Poems and the Modern Poetry (II)
Fifteenth week	Elegies & Odes Final Exam Review
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTERMEDIATE ENGLISH CONVERSATION(1)	Course Number	AIB6067001
Major / School Year	Dept. of English Language & Literature / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP317:목(6)] [SP405:수(4)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly use learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Helen Stephenson, Lewis Lansford, Paul Dummett, and Richard Walker, Laurie Blass	Publisher	National Geographic Learning	Textbook	Keynote 4	Issued year	2017
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus (Complete syllabus given on first day) Class Introduction
Second week	Chapter 1: Embrace Stress!
Third week	Chapter 1: Embrace Stress!
Fourth week	Chapter 2: Media Influences
Fifth week	Chapter 2: Media Influences
Sixth week	Chapter 3: Development
Seventh week	Solo Presentations
Eighth week	Midterm Exam
Ninth week	Chapter 4: Secrets and Lies
Tenth week	Chapter 4: Secrets and Lies
Eleventh week	Chapter 5: To the Edge
Twelfth week	Chapter 5: To the Edge
Thirteenth week	Chapter 6: Money Matters
Fourteenth week	Chapter 6: Money Matters
Fifteenth week	Final Speaking Exams
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTERMEDIATE ENGLISH CONVERSATION(1)	Course Number	AIB6067002
Major / School Year	Dept. of English Language & Literature / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:수(4)] [SP317:금(4)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve students communicative ability and for them to increase their skill in speaking English. This will build on the previous classes studied at INU and will focus on more detailed discussion of the topics rather than focus on grammar (although we will touch on grammar). The focus of the class will again be on the students rather than the teacher and students are expected to actively participate in all classes.

[2] Course Learning Outcomes

By the end of this course, students will be able to discuss in detail common and less common topics that are touched on in class. Students will have improved their fluency after having discussions in classes on various topics with their peers.

[3] Class Delivery Method

The methodology of teaching in class will follow a student-centered communicative method. Activities chosen from the book will be focused on discussion rather than reading, grammar and listening (although they will still be included in the classes). Students should expect to discuss many things in class in every lesson.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographic Learning / Cengage Learning	Textbook	Keynote 4	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introductions / Orientation
Second week	Unit 1: Embrace Stress (Talking about jobs and stress)
Third week	Unit 1: Embrace Stress (Talking about jobs and stress)
Fourth week	Unit 2: Media Influences (Talking about media and inspirations)
Fifth week	Unit 2: Media Influences (Talking about media and inspirations)
Sixth week	Unit 3: Development (Talking about change)
Seventh week	Unit 3: Development (Talking about change)
Eighth week	Midterm Test
Ninth week	Unit 4: Secrets and Lies (Speculating about the truth)
Tenth week	Unit 4: Secrets and Lies (Speculating about the truth)
Eleventh week	Unit 5: To the edge (Describing Accomplishments)
Twelfth week	Unit 5: To the edge (Describing Accomplishments)
Thirteenth week	Unit 6: Money matters (Using Phrasal Verbs)
Fourteenth week	Unit 6: Money matters (Using Phrasal Verbs)
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	History of English Literature	Course Number	0004284001
Major / School Year	Dept. of English Language & Literature / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 하인혜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:화(1-2A)] [SP403:목(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is primarily designed to offer English majors a comprehensive view of the history of English literature from the late Middle Age (c. the fourteenth century) to what we call the age of Romanticism (around the 1830s). We will cover a little over five hundred years of literary history. In it, we will encounter a set of literary works produced from the fourteenth to the early nineteenth century, which represents nature and/or nonhuman agents. Admittedly, the natural landscapes of English literature are filled with human and nonhuman agents: knights errant, half-giants, mice, werewolves, talking crosses, and so on. We'll explore the interactions between these diverse beings, paying particular attention to their violations of the so-called line between human and non-human.

In addition to its function as a thematic survey of British literature, this course helps students develop their abilities as readers, writers, and thinkers. By the end of the semester, students should be able to demonstrate their proficiency with such skills as close reading, use of evidence, and argumentative logic.

[2] Course Learning Outcomes

- o Students learn how many building blocks comprise the long history of British Literature.
- o Students grasp main characteristics and ascendant literary forms of a specific time period in British Literature. Students thereby distinguish a certain time period from another.
- o Students will understand the generic diversity of British literature.
- o Students acquire certain critical and historical terms and use them in their own analysis.
- o Students write a paragraph-long or much longer analysis in response to a given literary text.
- o Students understand how medical and scientific knowledge intersects with the literary.

[3] Class Delivery Method

Lecture, discussion, and presentations

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Course Reader	Issued year			
(2)	Author	Mary Shelley	Publisher	Oxford University Press	Textbook	Frankenstein	Issued year	2008
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

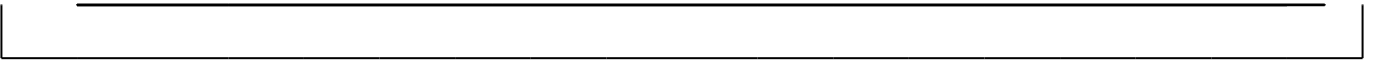
[Other books]

[6] Weekly lesson plans

First week	Introduction to Class & Anglo-Saxon riddles The Dream of the Rood
Second week	Marie de France: Lais (1) Bisclavret Marie de France: Lais (2) Yonec
Third week	Geoffrey Chaucer: The Parliament of Fowls (1) Geoffrey Chaucer: The Parliament of Fowls (2)
Fourth week	Poetry at the Court of Henry VIII / Courtiers and sonnet forms: Sir Thomas Wyatt The Sidneys and the Sonnet Sequence
Fifth week	Shakespeare Sonnets
Sixth week	Selections from Shakespeare's The Tempest (1)
Seventh week	Selections from Shakespeare's The Tempest (2)
Eighth week	Midterm Exam Review & Midterm Exam
Ninth week	John Donne Love Lyrics
Tenth week	John Donne: Religious Poems Selections from Natural History of Selborne (1)
Eleventh week	Selections from Natural History of Selborne (2) Mary Shelley, Frankenstein
Twelfth week	Mary Shelley, Frankenstein
Thirteenth week	Mary Shelley, Frankenstein
Fourteenth week	Mary Shelley, Frankenstein
Fifteenth week	The Pre-Romantic and the Romantic: Barbauld, Cowper, and Smith
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			



Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	History of English Literature	Course Number	0004284002
Major / School Year	Dept. of English Language & Literature / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 하인혜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:화(2B-3)] [SP403:목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is primarily designed to offer English majors a comprehensive view of the history of English literature from the late Middle Age (c. the fourteenth century) to what we call the age of Romanticism (around the 1830s). We will cover a little over five hundred years of literary history. In it, we will encounter a set of literary works produced from the fourteenth to the early nineteenth century, which represents nature and/or nonhuman agents. Admittedly, the natural landscapes of English literature are filled with human and nonhuman agents: knights errant, half-giants, mice, werewolves, talking crosses, and so on. We'll explore the interactions between these diverse beings, paying particular attention to their violations of the so-called line between human and non-human.

In addition to its function as a thematic survey of British literature, this course helps students develop their abilities as readers, writers, and thinkers. By the end of the semester, students should be able to demonstrate their proficiency with such skills as close reading, use of evidence, and argumentative logic.

[2] Course Learning Outcomes

- o Students learn how many building blocks comprise the long history of British Literature.
- o Students grasp main characteristics and ascendant literary forms of a specific time period in British Literature. Students thereby distinguish a certain time period from another.
- o Students will understand the generic diversity of British literature.
- o Students acquire certain critical and historical terms and use them in their own analysis.
- o Students write a paragraph-long or much longer analysis in response to a given literary text.
- o Students understand how medical and scientific knowledge intersects with the literary.

[3] Class Delivery Method

Lecture, discussion, and presentations

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Mary Shelley	Publisher	Oxford University Press	Textbook	Frankenstein	Issued year	2008
(2)	Author		Publisher		Textbook	Course Reader	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to Class & Anglo-Saxon riddles The Dream of the Rood
Second week	Marie de France: Lais (1) Bisclavret Marie de France: Lais (2) Yonec
Third week	Geoffrey Chaucer: The Parliament of Fowls
Fourth week	Poetry at the Court of Henry VIII / Courtiers and sonnet forms: Sir Thomas Wyatt The Sidneys and the Sonnet Sequence
Fifth week	Shakespeare Sonnets
Sixth week	Selections from Shakespeare's The Tempest (1)
Seventh week	Selections from Shakespeare's The Tempest (2)
Eighth week	Midterm Exam Review & Midterm Exam
Ninth week	John Donne Love Lyrics John Donne: Religious Poems
Tenth week	Selections from to Gilbert Whites Natural History of Selborne
Eleventh week	Mary Shelley, Frankenstein
Twelfth week	Mary Shelley, Frankenstein
Thirteenth week	Mary Shelley, Frankenstein
Fourteenth week	Mary Shelley, Frankenstein
Fifteenth week	The Pre-Romantic and the Romantic: Barbauld, Cowper, and Smith
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH PHONOLOGY		Course Number	AIB6018001		
Major / School Year	Dept. of English Language & Literature	3	completion division /Grade evaluation	/		
Department/Professor	Dept. of English Language & Literature	유혜배	Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class / lecture room	[SP403:화(4-5A),목(4-5A)]		
Office hours						

[1] Outline / Purpose

This is an introductory course in phonology on an undergraduate level. The goals of this course are to acquire a working knowledge of the tools of phonological analysis, to explain the data, and to discuss the implications of research in phonology for theories of human cognition and language acquisition.

[2] Course Learning Outcomes

1. Students will acquire analytic skills by finding generalizations in data, formulating, testing and revising hypotheses.
2. Students will learn about a variety of phonological process in languages.
3. Students will learn to present analyses clearly in writing and in class discussion.
4. Students will be able to apply phonology in particular fields.

*Prerequisites: To take this course, you must have successfully completed Introductory English Linguistics or the equivalent.

[3] Class Delivery Method

1. I have taken a problem-solving approach and inductive instruction method in the instruction of this course. Therefore a bunch of problem sets will be assigned.
2. Students will analyse the problems and give a presentation of the solutions in class and discuss the solutions.
3. Lecture will be given on the points and topics intended to teach.
4. Assign readings from the textbook.
5. In class, read aloud important terms and concepts written in the textbook that are necessary for the classroom discussion.
6. This class will be taught in English.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	20 %	%	%	30 %	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
60 %	%	%	%	%	%	40 %	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Robert Kennedy	Cambridge Univ. Press	Phonology	2017
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	정국	한국문화사	영어음운론	1999
(2)	Katamba, F.	Longman	An Introduction to Phonology	1995
(3)	Kenstowicz	Blackwell	Phonology in Generative Grammar	1994
(4)	Heinz J. Giegerich	Cambridge University Press	English Phonology: An introduction	1992
(5)	Yavas, Mehmet S.	Blackwell	Applied English Phonology	2005

[Other books]

[6] Weekly lesson plans

First week	Introduction to phonology Phonetics
Second week	Review of phonetics Readings
Third week	Distinctive feature and natural class Problem #1 Readings
Fourth week	Hypotheses about language acquisition Problem #2 Readings
Fifth week	Past tense. Problem #3 Readings
Sixth week	Forming a model Problem #4 Readings
Seventh week	Formal representations of phonological processes Readings
Eighth week	Mid-term Exam
Ninth week	More phonological processes Problem # 5
Tenth week	Transfer of phonological processes in second language learning Problem # 6
Eleventh week	Child language Problem #7
Twelfth week	Loan words: syllable Problem #8 Readings
Thirteenth week	Stress system in many language Problem #9
Fourteenth week	English stress Problem #10 Readings
Fifteenth week	Review and final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRACTICAL ENGLISH COMPOSITION	Course Number	AIB6073001
Major / School Year	Dept. of English Language & Literature / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SP403:금(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice writing business emails, resumes, and cover letters as well as other forms of business writing in English.

[2] Course Learning Outcomes

Students will be able to write coherent, polite, informative business emails and English resumes and cover letters.

[3] Class Delivery Method

Students will work alone or in pairs to complete assignments. Teacher will use book, PPT, lectures, and worksheets to deliver content.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Syllabus (Complete syllabus given on first day) Class Introduction
Second week	Emails 1
Third week	Emails 2
Fourth week	Emails 3
Fifth week	Emails 4
Sixth week	Resumes 1
Seventh week	Resumes 2
Eighth week	Midterm Exam
Ninth week	Resume 3
Tenth week	Resume 4
Eleventh week	Cover Letters 1
Twelfth week	Cover Letters 2
Thirteenth week	Cover Letters 3
Fourteenth week	Cover Letters 4
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH SPEECH & DEBATE	Course Number	AIB6074001
Major / School Year	Dept. of English Language & Literature / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SP116:목(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to teach students how to effectively debate with each other. This includes both being taught the different aspect of how to debate and practicing debating themselves. Students will sharpen their skills for critical thinking and will be able to discuss debate topics that they would choose in class.

[2] Course Learning Outcomes

By the end of this course, students will be able to:

- Deliver an argument persuasively
- Effectively refute arguments
- Effectively prepare, deliver, and respond to a cross-examination

[3] Class Delivery Method

The methodology of teaching in class will roughly follow a communicative method, with lots of emphasis on student participation and talking. However some teacher led classes will be given when giving instruction on debate structure, rules, how to research, how to write a rebuttal, etc.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jonathan S. McClelland	Publisher	Darakwon	Textbook	Debate Pro Book 2	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introductions / Orientation
Second week	Debate Structure, rules, etiquette. Debate Topic: Afterschool Academies
Third week	Defining a motion, brainstorming, introducing an argument clearly. Debate Topic: Genetically Modified Foods
Fourth week	Listing and organizing supporting arguments. Debate Topic: Genetically Modified Foods
Fifth week	Debate Topic: Climate Change
Sixth week	Debate Topic: Replacing Teachers with Computers
Seventh week	Debate Topic: Using CCTVs in Public Places
Eighth week	Midterm Test
Ninth week	Debate Topic: Celebrity Salaries
Tenth week	Debate Topic: Punishment for Criminals
Eleventh week	Debate Topic: Cosmetic Plastic Surgery
Twelfth week	Debate Topic: Physical Education in Schools
Thirteenth week	Giving Speeches 1
Fourteenth week	Giving Speeches 2
Fifteenth week	Final Tests
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MATHEMATICAL PHYSICS(1)	Course Number	BKB6006001
Major / School Year	Dept. of Physics / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Physics / 언후 도르츠	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358219	A weekday / class / lecture room	[SF325:금(1-2A)] [SF326:수(1-2A)]
Office hours			

[1] Outline / Purpose

Mathematical physics refers to development of mathematical methods for application to problems in physics. This course provides the details of mathematical apparatus, and some derivations and proofs for the mathematical formulations of physical theories.

[2] Course Learning Outcomes

To acquire a comprehensive knowledge on mathematical concepts which will be used as a tool for the subsequent physics courses.

[3] Class Delivery Method

온라인 (VIDEO)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	20 %	0 %	0 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	0 %	20 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Elsevier LLC	Textbook	G. B. Arfken, H.J. Weber, and F. E. Harris	Issued year	2012
(2)	Author	Publisher		Textbook	Mathematical Methods for Physicists: A comprehensive guide	Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Mathematical Preliminaries
Third week	Mathematical Preliminaries
Fourth week	Determinants and Matrices
Fifth week	Vector analysis
Sixth week	Tensors and Differential Forms
Seventh week	Vector Spaces
Eighth week	Midterm
Ninth week	Eigenvalue Problems
Tenth week	Eigenvalue Problems
Eleventh week	Ordinary Differential Equations
Twelfth week	Ordinary Differential Equations
Thirteenth week	Partial Differential Equations
Fourteenth week	Partial Differential Equations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Computational Chemistry	Course Number	0009387001
Major / School Year	Dept. of Chemistry / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Chemistry / 김형준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF407:월(2B-3)] [SF506:금(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

양자화학 이론 기반의 컴퓨터 시뮬레이션을 활용하여 화합물의 성질을 예측하는 방법을 익힌다.
(수업에 대한 전반적인 소개는 <https://youtu.be/0KqKkves7kQ> 에서 볼 수 있습니다.)

실습 위주의 수업으로 개편할 예정입니다. 새로운 강의계획서를 확인해주시면 감사하겠습니다.

[2] Course Learning Outcomes

화합물의 구조, 기상에서의 성질, 용액상에서의 성질, 반응 메커니즘, 스펙트럼, 들뜬 상태의 성질을 시뮬레이션을 통해 묘사할 수 있다.

[3] Class Delivery Method

이론 수업을 통해 양자화학 이론과 시뮬레이션 원리를 배운다.
실습시간에 예제 시뮬레이션을 수행하면서, 양자화학 패키지 사용방법을 익힌다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	0 %	0 %	10 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	50 %	0 %	10 %	0 %	10 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	백경구	북스힐	계산화학개론	2017
(2)	Frank Jensen	Wiley	Introduction to Computational Chemistry/2nd edition	2007
(3)	Christopher J. Cramer	Wiley	Essential of Computational Chemistry/2nd edition	2004

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	이론: 계산화학 학문 소개 실습: 양자화학 패키지 사용법
Second week	이론: 계산화학 학문 소개 실습: 구조 최적화 (1)
Third week	이론: 분자역학 실습: 구조 최적화 (2)
Fourth week	이론: 분자 앙상블 실습: 화학적 성질 (1)
Fifth week	이론: 분자 오비탈 이론 (1) 실습: 화학적 성질 (2)
Sixth week	이론: 분자 오비탈 이론 (2) 실습: 용액에서의 성질 (1)
Seventh week	이론: 기저함수 실습: 용액에서의 성질 (2)
Eighth week	중간고사
Ninth week	이론: 하트리-폭 이론 실습: 반응 메커니즘 (1)
Tenth week	이론: 순-이론 양자화학 방법 (1) 실습: 반응 메커니즘 (2)
Eleventh week	이론: 순-이론 양자화학 방법 (2) 실습: 스펙트럼 (1)
Twelfth week	이론: 밀도 범함수 이론 (1) 실습: 스펙트럼 (2)
Thirteenth week	이론: 밀도 범함수 이론 (2) 실습: 들뜬 상태 (1)
Fourteenth week	이론: 들뜬 상태 실습: 들뜬 상태 (2)
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment	시뮬레이션 과제 수행 및 레포트 작성	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	UNDERSTANDING TEXTILES(1)	Course Number	BLB6067001
Major / School Year	Dept. of Fashion Industry / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Fashion Industry / 안춘순	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF420:월(2B-3), 화(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is taught in English.

This course is aimed to learn the physical and functional characteristics of currently used commercial textile fibers.

[2] Course Learning Outcomes

1. Study fundamental characteristics of textile fibers.
2. Study physical and functional characteristics of natural and man-made fibers.

[3] Class Delivery Method

- 교수 오프라인 강의
- 학생 1명 당 학기 중 1회 발표
- 중간고사, 학기말고사 외 주별 구두 및 페이퍼 시험
- 케어라벨 과제
- 법정공휴일은 온라인 또는 오프라인 수업
- *코로나19 상황에 따라 수업 방식은 변할 수 있음

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
55 %	0 %	0 %	0 %	20 %	20 %	0 %	5 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	0 %	0 %	0 %	0 %	0 %	30 %	30 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	안춘순	Publisher		Textbook	Lecture Note	Issued year	
(2)	Author	송경현 외	Publisher	형설출판사	Textbook	의류재료학	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Fundamentals of textile fiber
Third week	Physical characteristics of fiber
Fourth week	Physical characteristics of fiber
Fifth week	Fundamentals of cellulose fiber Cotton
Sixth week	Bast fiber Fundamentals of protein fiber
Seventh week	Quiz Battle I
Eighth week	Mid-term examination
Ninth week	Characteristics of wool fiber
Tenth week	Characteristics of silk fiber
Eleventh week	Basics of manmade fiber Rayon
Twelfth week	Acetate Nylon
Thirteenth week	Polyester Acrylic and other synthetic fibers
Fourteenth week	Quiz Battle II
Fifteenth week	Final Examination
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice	D). Note taking should be done on the lecture note directly.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Marine Excursion	Course Number	0006094001
Major / School Year	Dept. of Marine Science / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Marine Science / 이재성	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SF432:금(8)(9)] [SF527:화(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

The class of "Marine Excursion" is to better understand seawater properties and measurement systems.

[2] Course Learning Outcomes

The main goals of this class is (1) to learn the measurement systems of seawater properties in field, (2) to experience in-situ skills to measure physical-chemical-biological parameters.

[3] Class Delivery Method

This class is mainly composed of visiting research institutes, which are leading ocean sciences in Korea, for examples, KIOST and KOPRI.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	0 %	0 %	0 %	50 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Understanding of Marine Excursion – 1
Second week	Understanding of Marine Excursion – 2
Third week	Understanding of Marine Excursion – 3
Fourth week	Understanding of Marine Excursion – 4
Fifth week	Understanding of Marine Excursion – 5
Sixth week	Understanding of Marine Excursion – 6
Seventh week	Understanding of Marine Excursion – 7
Eighth week	Understanding of Marine Excursion – 8
Ninth week	Understanding of Marine Excursion – 9
Tenth week	Understanding of Marine Excursion – 10
Eleventh week	Understanding of Marine Excursion – 11
Twelfth week	Understanding of Marine Excursion – 12
Thirteenth week	Understanding of Marine Excursion – 13
Fourteenth week	Understanding of Marine Excursion – 14
Fifteenth week	Understanding of Marine Excursion – 15
Sixteenth week	Understanding of Marine Excursion – 16

[7] Assignments

The first assignment	assignment	Reaction Paper	submission date	
	purpose	Each student will be assigned to write a reaction paper per field trip (activity)		
	procedure & notice	Details about the reaction paper will be provided by the instructor.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Consumer Psychology and Persuasion	Course Number	0008687001
Major / School Year	Dept. of Mass Communication / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Mass Communication / 김태민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358580	A weekday / class /	[SN102:월(2B-3),수(2B-3)]
Office hours	Mon/Wed 1500-1700 / by appointment	lecture room	

[1] Outline / Purpose

This is an introductory course about the psychological theories and consumer behavior that can explain how advertising affects consumers. The focus of this course is on psychological theories and concepts such as attitudes, memory, motivation, involvement, values, decision making, etc. More socially oriented approaches will be also discussed such as social judgement, stereotypes and lifestyle. The goal is to provide students with a sound understanding of how advertising works and how consumers react to advertising on a psychological level. In doing so, students will enhance critical and analytical thinking skills that help to identify consumer insights and develop an effective advertising strategy.

[2] Course Learning Outcomes

Upon completion of this course, students should be able to:

- Identify the use of psychological theories and concepts in advertisements
- Describe these theories that can be used in explaining the possible effects of advertising on consumers' perception and behavior
- Explain how advertising campaigns may impact consumers' perception and behavior by using these theories
- Apply these theories in developing an advertising strategy

[3] Class Delivery Method

Lecture, discussion

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	30 %	0 %	20 %	0 %	0 %	0 %	0 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	60 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Taylor & Francis	Textbook	The Psychology of Advertising (2nd edition)	Issued year	2016
(2)	Author	Publisher	Pearson	Textbook	Consumer Behavior: Buying, Having, and Being	Issued year	2016
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction The functions and effects of advertising
Second week	Attention to and information processing from advertising
Third week	Attention to and information processing from advertising (continued)
Fourth week	Advertising effects on memory
Fifth week	Advertising effects on memory (continued)
Sixth week	Attitude formation toward advertising and brand
Seventh week	Attitude formation toward advertising and brand (continued)
Eighth week	Mid-term exam
Ninth week	Persuasion and attitude change
Tenth week	Persuasion and attitude change (continued)
Eleventh week	Advertising and consumer behavior
Twelfth week	Advertising and consumer behavior (continued)
Thirteenth week	Beyond persuasion
Fourteenth week	Online advertising and persuasion via online communication
Fifteenth week	Final exam
Sixteenth week	Make-up class

[7] Assignments

The first assignment	assignment	Advertising analysis	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	English presentation	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Global Public Relations	Course Number	0008695001
Major / School Year	Dept. of Mass Communication / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Mass Communication / 김지선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN207:화(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course addresses the key issues that public relations professionals must keep in mind to create and manage effective and socially responsible communication programs in an international context. Topics and issues discussed include theoretical foundations of intercultural communication, cultural variables, social responsibility, ethics, global media differences, PR management and strategy, effects of technology. Country or regionally specific contexts and comparative PR will also be addressed.

[2] Course Learning Outcomes

- Understand the influences of key international factors and variables on the practice of public relations, from research and strategy through implementation and evaluation.
- Make good strategic and ethical decisions regarding issues of global public relations.
- Gain competence in planning global PR campaigns and programs.
- Develop a better global perspective, positively affecting their personal worldview and professional practice.

[3] Class Delivery Method

Various methods will be employed in this course: lecture, discussion, and presentation. Interactive classroom discussions will enhance learning, but are dependent on student participation.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	20 %	10 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	40 %	0 %	60 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

There is no required textbook in this course. Instead all required readings will be posted on the course website.

[6] Weekly lesson plans

First week	Intro to Course *The instructor reserves the right to change the topics, assignments, grading system, and schedule if necessary. All changes will be announced in class.
Second week	Understanding Global PR and Diverse Publics
Third week	Theories of Intercultural Communication, Values and Cultures
Fourth week	Dimensions of Culture
Fifth week	Cultural Differences & Communication
Sixth week	Global PR Campaign Examples
Seventh week	Campaign Program Planning
Eighth week	Midterm Exam
Ninth week	Communication Strategies
Tenth week	Culture & Creative Strategies
Eleventh week	Culture & Social Media
Twelfth week	Global PR Campaign Examples
Thirteenth week	Global PR Campaign Examples
Fourteenth week	Final Team Project Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Social Media in Strategic Communication	Course Number	0008716001
Major / School Year	Dept. of Mass Communication / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Mass Communication / 김지선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN305:화(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course addresses a variety of social media and the ways in which they may be used by PR professionals and citizens for engagement, interactivity, and participation. Students will learn the principles behind social media and develop critical perspectives in analyzing social media-based communication campaigns.

[2] Course Learning Outcomes

- Understand critical issues in social media from a strategic communication perspective.
- Identify and describe existing and emerging social media tools.
- Create a competitive analysis to assess how the organization is succeeding compared to others in the industry.
- Evaluate how the organization utilizes social media strategies for their target audience to accomplish organizational objectives.
- Understand how to measure campaign success using a variety of social media metrics and analytics.

[3] Class Delivery Method

Various methods will be employed in this course: lecture, discussion, and presentation. Interactive classroom discussions will enhance learning, but are dependent on student participation.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	20 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	40 %	0 %	60 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

There is no required textbook in this course. Instead all required readings will be posted on the course website.

[6] Weekly lesson plans

First week	Intro to Course *The instructor reserves the right to change the topics, assignments, grading system, and schedule if necessary. All changes will be announced in class.
Second week	The Evolution of Social Media
Third week	Understanding Social Media Concepts & Theories
Fourth week	Issues in Social Media
Fifth week	Issues in Social Media
Sixth week	Social Media Campaign Examples
Seventh week	Rules of Engagement & Ethics
Eighth week	Midterm Exam
Ninth week	Social Media Metrics and Analytics
Tenth week	New Media Technologies and Innovation
Eleventh week	Social Media in Crisis Communication
Twelfth week	Evaluation & Measurement
Thirteenth week	Social Media Campaign Examples
Fourteenth week	Final Team Project Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Data analysis and visualization	Course Number	0010843001
Major / School Year	Dept. of Library and Information Science / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Library and Information Science / 왕린	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3209:월(4-5A),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces students to the fundamentals of data analysis and effective visual storytelling and communication methods.

[2] Course Learning Outcomes

The students will learn how to communicate data findings in visual and written contexts.

[3] Class Delivery Method

Offline

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	10 %	0 %	40 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Cole Nussbaumer Knaflic	Publisher	Wiley	Textbook	Storytelling with Data: A Data Visualization Guide for Business Professionals	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Define the questions.
Third week	Get the data.
Fourth week	Explore the data I
Fifth week	Explore the data II
Sixth week	Project I
Seventh week	Extend the data.
Eighth week	Midterm Exam
Ninth week	Visualization tools I
Tenth week	Visualization tools II
Eleventh week	Design
Twelfth week	Design
Thirteenth week	Project II
Fourteenth week	Final thoughts
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	User Interface	Course Number	0006670001
Major / School Year	Dept. of Library and Information Science / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Library and Information Science / 왕린	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN102:화(2)(3)] [ZZ200:월(1)]
Office hours		lecture room	

[1] Outline / Purpose

To be successful, interaction designers should need to have a mixed set of knowledge from fields such as psychology, computer science, social science, information system, and design. This course is designed to familiarize the students with the knowledge and the method to use the knowledge into interaction design.

[2] Course Learning Outcomes

This course is designed to familiarize the students with the knowledge and the method to use the knowledge into interaction design.

[3] Class Delivery Method

온라인(동영상)+오프라인

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	10 %	10 %	20 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Jennifer Preece, Yvonne Rogers, Helen Sharp	John Wiley & Sons	Interaction Design: Beyond Human-Computer Interaction (4th Edition)	2015
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Course introduction Chapter 1 What is interaction design
Second week	Chapter 2 Understanding and conceptualizing interaction
Third week	Chapter 3 Cognitive aspects
Fourth week	Chapter 5 Emotional interaction
Fifth week	Chapter 6 Interfaces
Sixth week	Chapter 7 Data Gathering
Seventh week	Chapter 8 Data analysis, interpretation, and presentation
Eighth week	Midterm exam
Ninth week	Chapter 9 The process of interaction design
Tenth week	Chapter 10 Establishing requirements
Eleventh week	Project
Twelfth week	Chapter 11 Design, prototyping, and construction
Thirteenth week	Chapter 12 Interaction Design in Practice
Fourteenth week	Project
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	UNDERSTANDING OF PUBLIC ADMINISTRATION	Course Number	0009402001
Major / School Year	Dept. of Public Administration / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Public Administration / 이신우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN207:수(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course reviews the historical development of public administration as an independent scholarly discipline and offers critical values for future public bureaucrats to pursue in operating governmental agencies and implementing public policies.

[2] Course Learning Outcomes

Students will get a solid understanding of the origin of public administration as an independent scholarly discipline. Students will also learn on what basis governmental functions and programs must be designed and implemented.

[3] Class Delivery Method

This course will use a mix of different teaching methods including lecture, discussion, and seminar.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	30 %	20 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	대영문화사	Textbook	새내기를 위한 행정학	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher	금정	Textbook	행정의 역사와 이론	Issued year
(2)	Author	Publisher	윤성사	Textbook	이야기와 그림으로 풀어쓴 기초행정학	Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Introduction What is Public Administration? (Chapter 1)
Second week	What is Public Administration? (Chapter 1) – Public Administration and Political Science – Public Administration and Business Administration
Third week	Values of Public Administration (Chapter 2) – Fundamental Values
Fourth week	Values of Public Administration (Chapter 2) – Instrumental Values
Fifth week	Historical Development of Public Administration-1 (Chapter 3)
Sixth week	Historical Development of Public Administration-2 (Chapter 3)
Seventh week	Historical Development of Public Administration-3 (Chapter 3)
Eighth week	Midterm Exam Assignment
Ninth week	Public Administration Theories (Chapter 4)
Tenth week	Main Areas of Public Administration: Organization, Personnel Administration Sub-textbook Chapter 5&6
Eleventh week	Main Areas of Public Administration: Finance, Policy Sub-textbook Chapter 7&8
Twelfth week	Group Project Presentation-1
Thirteenth week	Group Project Presentation-2
Fourteenth week	Semester Review and Final Exam Preparation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	조별발표: 영문 행정 뉴스 발표	submission date	
	purpose			
	procedure & notice	한국 혹은 다른 나라의 정부 관련 영문 뉴스를 요약하고 발표 (조별 인원 모두 발표, 조별 의무미팅 진행)		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PUBLIC ORGANIZATIONS	Course Number	CFB6001001
Major / School Year	Dept. of Public Administration / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration / 제시 캠벨	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN207:월(2B-3),화(5B-6)]
Office hours	TBA (and by appointment)	lecture room	

[1] Outline / Purpose

There are few things more ubiquitous than organizations. Consequently, organization theory, or the body of thought and writing that focuses on why and how organizations exist, is a broad and rich field. At the same time, the formal study of organizations is a relatively new phenomenon that has evolved quickly over the past century, and the study of organizations is rooted in different disciplines including sociology, management, economics, and, of course, public administration. It is, therefore, an eclectic body of work. This course aims to familiarize students with key organizational perspectives as well as highlight their relevance to public administration and management.

[2] Course Learning Outcomes

After taking this course, students should be able to:

- Understand key ideas in organization theory
- Understand the overall development of the field of organization theory
- Apply various theories to existing organizations
- Discuss the ways in which public organizations may be unique, as well as the consequences of this uniqueness for theory and practice

[3] Class Delivery Method

Detailed instructions for each of the assignments below will be provided in class.

Attendance (20%): Students are expected to attend all classes. Absences should be explained with a note from the relevant source.

Midterm and final interviews (20% each): In small groups, students will have face to face interviews with the professor where they will be asked to demonstrate their understanding of key readings from the lectures. Reviews will be provided.

Theory presentation (20%): In small groups, students will present, in the form of a debate, material from the class.

Primary source paper (20%): Each student will write a short essay on a primary text.

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Detailed instructions for each of the assignments below will be provided in class.

Attendance (20%): Students are expected to attend all classes. Absences should be explained with a note from the relevant source.

Midterm and final interviews (20% each): In small groups, students will have face to face interviews with the professor where they will be asked to demonstrate their understanding of key readings from the lectures. Reviews will be provided.

In depth country analysis (20%): In small groups, students will make a presentation to the class about a particular administrative system. Relevant readings will be provided by the professor.

Comparative essay (20%): Students will write an essay comparing 2 administrative systems of their choice. Theory from the class should be intergraded into the essay. However, students will also have a mandatory one-on-one meeting with me sometime before the essay is due to discuss their progress.

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	All readings for the course will be provided by the professor in the form of a downloadable	Issued year
(2)	Author	Publisher	Textbook		Issued year

(3)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course: Organizations and organization theory The classical approach to organizations
Second week	Introduction: Max Weber and bureaucracy
Third week	Scientific management: Taylorism
Fourth week	Administrative management: Fayol and Gulick
Fifth week	Class presentations Human relations, informality, and motivation
Sixth week	The discovery of humans at work: The Hawthorne experiments
Seventh week	Motivating employees: The principal-agent dilemma
Eighth week	Midterm examinations
Ninth week	Higher order needs: Maslow and McGregor
Tenth week	Management vs leadership
Eleventh week	Markets, bureaucracies, and clans: Ouchi
Twelfth week	Class presentations Organizations and their environments
Thirteenth week	Contingency theory
Fourteenth week	Systems theory
Fifteenth week	Institutional theory
Sixteenth week	Final examination

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	HUMAN RELATIONS IN GOVERNMENT	Course Number	CFB6030001
Major / School Year	Dept. of Public Administration / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01099317360	A weekday / class /	[SN104:목(4-5A),금(4-5A)]
Office hours	T 10:30-12:00, Th 10:30-12:00, F 10:30-12:00	lecture room	

[1] Outline / Purpose

To teach students about the reality of work and the human factor at work as well as about human relations more generally. The student who completes the course should feel more prepared to enter the world of work.

[2] Course Learning Outcomes

Each student should be prepared to understand the work norms of their likely field of employment and how to deal with other people in an institutional setting.

[3] Class Delivery Method

The class was initially listed as offline, though the spread of Omicron causes concern and the priority is for everyone to be safe and comfortable. The course is now listed as hybrid but the actual division of courses between online and in-person will be decided based on student consensus following the first meeting. The course has ample resources to proceed according to the preference of the students.

The course proceeds with lectures and material about HR and HR functions presented through the book, audio lectures, and in-class addressing of student concerns regarding the material with class reserved for questions and practical exercises. Students are expected to participate in the online discussion forum.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
25 %	30 %	15 %	15 %	0 %	0 %	0 %	15 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	0 %	0 %	0 %	30 %	10 %	0 %	20 %

[4] Grading Policies

Grading: 10% Preparation/10% Presentation 20% Midterm
20% Attendance 20% Participation 20% Final

Preparation will be evaluated through online quizzes.

Participation will be evaluated through in-class discussion and participation in online discussions.

There will be two written exams: a midterm and a final.

There is an individual class presentation.

The reading should be done prior to class so that class time may focus on questions, review and practical exercises. Attendance is an important part of the course. If you are unable to attend the class, you should contact the professor as far in advance as possible. A good-faith effort should be made to participate in class. Student questions are encouraged, especially on work and general English topics.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Chad Anderson	Publisher	Electronic Text	Textbook	HR for Public Administration	Issued year	
(2)	Author	Chad Anderson	Publisher	Electronic Text	Textbook	HR for Public Administration Workbook	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Performance Perspective What is our position related to work and the economy?
Second week	Public vs. Private What are the differences between public and private work?
Third week	Motivation How are people motivated?
Fourth week	Staffing How do organizations recruit employees?
Fifth week	Training How are people prepared for work?
Sixth week	Evaluation How is performance measured and work evaluated?
Seventh week	Compensation What is the basis for paying people for work?
Eighth week	Midterm Review Midterm
Ninth week	Employee Relations How do organizations and employees promote justice?
Tenth week	Personality What are the basic core differences between people? Children's Day
Eleventh week	Attitudes What are the different attitudes that guide people's behavior?
Twelfth week	Leadership What is leadership?
Thirteenth week	Conflict What causes conflict?
Fourteenth week	Presentations
Fifteenth week	Final Review Final
Sixteenth week	

[7] Assignments

The first assignment	assignment	Final Presentation	submission date	2022-06-07 Tue
	purpose	Synthesize and apply course concepts		
	procedure & notice	Approve a topic applying course concepts with the professor and present according to agreed class standards (powerpoint, date, format).		
	references			
	assignment		submission date	
	purpose			

The second assignment	procedure & notice		
	references		
The third assignment	assignment		submission date
	purpose		
	procedure & notice		
	references		

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	HISTORY OF PUBLIC ADMINISTRATION	Course Number	CFB6022001
Major / School Year	Dept. of Public Administration / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Public Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01099317360	A weekday / class /	[SN104:화(4-5A),금(5B-6)]
Office hours	T 10:30-12:00, Th 10:30-12:00, F 10:30-12:00	lecture room	

[1] Outline / Purpose

The class is designed to help students place government issues in a historical context. This is done by comparing historical and current standards of good government, primarily in the South Korean and US context, with a focus placed on the role of civil servants and citizens in the process, with the understanding that students are and/or will be playing these roles in the future.

[2] Course Learning Outcomes

Students successfully completing this class will have improved ability to apply administrative concepts to the objective evaluation of and participation in actual civic affairs. Students should also have increased confidence in their major as it relates to society in addition to enhanced English and Korean communication skills.

[3] Class Delivery Method

The course will proceed by discussion of questions raised in the readings, sharing of the results, student questions, followed by eventual practical activities to illustrate course principles.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
35 %	35 %	0 %	15 %	0 %	0 %	0 %	15 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	0 %	20 %	0 %	0 %	0 %	0 %	40 %

[4] Grading Policies

Grading: 20% Participation 20% Midterm
10% Homework 10% Presentation 20% Attendance 20% Final

Participation will be evaluated through in-class discussion and participation in online discussions.

There will be two written exams: a midterm and a final.

There is an individual class presentation.

There will be homework assignments preparing for and summarizing class activities.

The reading should be done prior to class so that class time may focus on questions, review and practical exercises. Attendance is an important part of the course. If you are unable to attend the class, you should contact the professor as far in advance as possible. A good-faith effort should be made to participate in class. Student questions are encouraged, especially on work and general English topics.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
	Author	Publisher	Textbook	Issued year

(3)							
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction What is good government?
Second week	Paradigms of Public Administration What ethics should government follow?
Third week	US and Korean Government Ethics How does society change?
Fourth week	US Administration History What can be learned from the US?
Fifth week	Korean Administration History What can be learned from history?
Sixth week	Big Democracy, Big Bureaucracy How can democracy and bureaucracy be reconciled?
Seventh week	Midterm Review
Eighth week	Midterm
Ninth week	The 20th Century in the US What is corruption?
Tenth week	Children's Day Organization Theories and Forces What do we need to know to play our role in society?
Eleventh week	Corruption How can we fight corruption?
Twelfth week	Election Activity Election Campaign
Thirteenth week	Governance Activity Governing Plans
Fourteenth week	Presentations What is the responsibility of the citizen in a democracy? Memorial Day
Fifteenth week	Final Review Final
Sixteenth week	

[7] Assignments

The first assignment	assignment	Presentation	submission date	
	purpose			
	procedure & notice	Approve a topic applying course concepts with the professor and present according to agreed class standards (powerpoint, date, format).		
	references			
			submission	

The second assignment	assignment		date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	COMPARATIVE ADMINISTRATION LAW	Course Number	CFB6007001
Major / School Year	Dept. of Public Administration / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration / 제시 캠벨	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN104:월(7-8A),수(8B-9)]
Office hours	TBA (and by appointment)	lecture room	

[1] Outline / Purpose

Comparative public administration approaches the key ideas of the field by examining their implementation in different contexts. National administrative contexts have both superficial and significant similarities and differences, and studying public administration from a comparative perspective can help provide administrators and managers with insight into how their own administrative systems function as well as the underlying factors that support positive reform. This course looks at some key ideas of public administration through a comparative lens. Additionally, many administrative systems will be examined in depth to give students a better understanding of how various systems converge and differ. The selection of cases will include both developed and developing countries from different geographic/cultural areas of the world.

[2] Course Learning Outcomes

By the end of this course, students should be able to:

- Better understand key ideas in the field of public administration
- Understand how various aspects of administrative systems differ across national (and other) contexts
- Discuss distinctive features of several different national systems
- Better understand the link between different administrative principles and ideas and performance

[3] Class Delivery Method

Detailed instructions will be provided in class about the following assignments:

Attendance (20%): Students are expected to attend all classes. Absences should be explained with a note from the relevant source.

Midterm and final interviews (20% each): In small groups, students will have face to face interviews with the professor where they will be asked to demonstrate their understanding of key readings from the lectures. Reviews will be provided.

In depth country analysis (20%): In small groups, students will make a presentation to the class about a particular administrative system. Relevant readings will be provided by the professor.

Comparative essay (20%): Students will write an essay comparing 2 administrative systems of their choice. Theory from the class should be intergraded into the essay. However, students will also have a mandatory one-on-one meeting with me sometime before the essay is due to discuss their progress.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Detailed instructions will be provided in class about the following assignments:

Attendance (20%): Students are expected to attend all classes. Absences should be explained with a note from the relevant source.

Midterm and final interviews (20% each): In small groups, students will have face to face interviews with the professor where they will be asked to demonstrate their understanding of key readings from the lectures. Reviews will be provided.

In depth country analysis (20%): In small groups, students will make a presentation to the class about a particular administrative system. Relevant readings will be provided by the professor.

Comparative essay (20%): Students will write an essay comparing 2 administrative systems of their choice. Theory from the class should be intergraded into the essay. However, students will also have a mandatory one-on-one meeting with me sometime before the essay is due to discuss their progress.

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

					The politics of bureaucracy: an		
--	--	--	--	--	---------------------------------	--	--

(1)	Author		Publisher		Textbook	introduction to comparative public administration by	Issued year	
(2)	Author		Publisher		Textbook	OECD: Government at a Glance	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Additional readings will be provided by the professor.

[6] Weekly lesson plans

First week	Introduction to the course
Second week	Weberian bureaucracy
Third week	Recruitment and compensation
Fourth week	Government reform
Fifth week	Politics and the executive
Sixth week	Information technology and administration
Seventh week	Administrative culture
Eighth week	Midterm examination
Ninth week	Governance and the hollow state
Tenth week	Globalization and public administration
Eleventh week	Administration in transition countries
Twelfth week	Developing, struggling, and failed states
Thirteenth week	The developmental state paradigm
Fourteenth week	The administrative state and the rise of populism
Fifteenth week	The future of public administration
Sixteenth week	Final examination

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The second assignment	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	REGIONAL DEVELOPMENT ADMINISTRATION	Course Number	CFB6025001
Major / School Year	Dept. of Public Administration / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration / 타오	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358330	A weekday / class /	[SN104: 화(7-8A), 수(7-8A)]
Office hours	Tuesday mornings 10-11:30 am, Wednesdays 9-10:30 am	lecture room	

[1] Outline / Purpose

Regional development (지역개발) comes from a set of theories developed in Western countries to help explain economic development effects that go beyond political boundaries. But in South Korea, it is a process that often seems very political. Why?

In this course, we examine the way in which theories from the U.S. and Europe help to explain economic growth (or decline) in certain regions, and how these ideas are used in South Korea in political discourse. We will also examine the goals of regional development and whether or not those goals are achievable in different places.

[2] Course Learning Outcomes

Regional development often creates plans for economic growth over a long period of time, so we will learn how to craft a regional development plan using some basic statistical software. So students will learn how to use basic statistics software to design a plan to address the problem of resource primacy in the Seoul metropolitan region. By the end of the semester students should have a good grasp of basic statistical techniques for gathering and interpreting data in order to make planning decisions. These activities should be helpful for students who are preparing to take the NCS or who would like to develop their computer skills using statistical software like SPSS, Excel, or STATA (maybe R, but we'll see).

[3] Class Delivery Method

Since we will be meeting in person, classes will be offered in lecture format and then an exercise to make sure the lecture materials were understood. The class meets on Mondays and Tuesday; Mondays will be lecture to go over the readings assigned for that week, and Tuesdays will have an exercise to apply what we have learned. There may be occasional tests to see if concepts are being properly understood and retained. If there is a need to return to online learning, this format will be maintained, with Zoom breakout sessions on Tuesdays, and lectures on Mondays.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	40 %	0 %	0 %	10 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	50 %	0 %	20 %	0 %	20 %	0 %

[4] Grading Policies

There will be three tests in the 4th, 8th, and 12th weeks, each worth 15% of the total grade. These tests will offer feedback to students to make sure they are understanding the course material, and will cover the concepts discussed in class. There will be NO FINAL EXAM.

The major assignment for the course will be a regional development plan for redistributing national resources from the Seoul metropolitan area to other parts of Korea. The plan will explain what development goals are to be achieved, the mechanisms for achieving those goals, and the steps that will need to be taken to realize those future objectives. Each student will be responsible for presenting their plan to the class at the end of the semester. If the class is large, the project may be shared by a group of students, and the presentation will be a group presentation.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	National Geographical Information Institute of South Korea	Textbook	The National Atlas of Korea	Issued year	2014
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Routledge	Textbook	Local and Regional Development, 2nd Edition	Issued year	2016
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	What is Regional Development? How does it work? Examples from around the world.
Second week	The reasons for development: economic and political frameworks.
Third week	Administration of regional development: how plans are made.
Fourth week	First test! Review of material on Monday; test on Tuesday.
Fifth week	Cases of regional development: examples from the Global South and a look into South Korea's past.
Sixth week	Cases of regional development: the United States, and a look at national policy and technological development.
Seventh week	Cases of regional development: the EU, and a look at balancing economic and political goals. Tuesday's class may include a field trip.
Eighth week	Second test! Review of Weeks 5–7 on Monday, test on Tuesday.
Ninth week	How plans are made for regional development: what data to collect and how. Use of statistics--meet in the computer lab (Room 209).
Tenth week	We have the data: now what? How to analyze basic data and create a basic plan: More basic descriptive statistics--meet in the computer lab (Room 209).
Eleventh week	Pulling it all together: a look at the framework of a plan--long term goals, mid-range objectives, and methods for execution...a look at South Korea's plans for addressing climate change.
Twelfth week	Third and final test for the semester: Review on Monday, test on Tuesday.
Thirteenth week	Creating a final regional development plan: last questions and resources. Use of computer lab depending on need. Tuesday's class may include a field trip.
Fourteenth week	Presentations
Fifteenth week	Presentations.
Sixteenth week	

[7] Assignments

The first assignment	assignment	Test	submission date	2023-03-28 Tue
	purpose	To assess mastery of course lecture materials		
	procedure & notice	We will have review session on Monday March 27th.		
	references			
The second assignment	assignment	Test	submission date	2023-04-25 Tue
	purpose	To assess mastery of course lecture materials		
	procedure & notice	We will have a review session on Monday April 24th		
	references			
The third assignment	assignment	Final test	submission date	2023-05-23 Tue
	purpose	To make sure students are able to complete their presentations due in the last week of class.		
	procedure & notice	There will be a review session on Monday May 22nd.		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	THEORIES OF INTERNATIONAL RELATIONS	Course Number	CFC6085001
Major / School Year	Dept. of Political Science & Int'l Relations / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 박요한	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN107:화(5B-6),수(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course explores contemporary theories of International Relations. It will cover the range from macro paradigms to micro theoretical models.

[2] Course Learning Outcomes

1. learn about IR theories,
2. increase critical thinking,
3. improve problem-solving ability.

[3] Class Delivery Method

1. student presentation
2. class discussion
3. lecture
4. media

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	intro
Second week	classical realism
Third week	liberalism
Fourth week	neorealism
Fifth week	neoliberalism
Sixth week	constructivism
Seventh week	marxism
Eighth week	exam 1
Ninth week	expected utility theory
Tenth week	rationalist theory of war
Eleventh week	prospect theory
Twelfth week	east-asian way of IRs
Thirteenth week	
Fourteenth week	theory practice 2
Fifteenth week	exam 2
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	NORTH KOREAN POLITICS	Course Number	CFC6018001
Major / School Year	Dept. of Political Science & Int'l Relations / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 박요한	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN206:화(7-8A),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Knowledge on North Korea
Critical Thinking
English Skills
Writing

[2] Course Learning Outcomes

Knowledge on North Korea
Critical Thinking
English Skills
Writing

[3] Class Delivery Method

Lecture
Presentation
Discussion
Q & A

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Various research articles	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Intro
Second week	How to think critically
Third week	North Korea Intro
Fourth week	Domestic Politics
Fifth week	Military
Sixth week	Soceity
Seventh week	International Relations
Eighth week	Exam 1
Ninth week	Movie 1
Tenth week	Economy
Eleventh week	Security
Twelfth week	Nuclear Weapons
Thirteenth week	Movie 2
Fourteenth week	USA
Fifteenth week	China and Japan
Sixteenth week	Exam 2

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introdnution to Accounting	Course Number	0001443001
Major / School Year	Division of International Trade / 2	completion division /Grade evaluation	/
Department/Professor	Division of International Trade /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358541	A weekday / class /	[SO209:화(7-8A)(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

1) Introduction

- Learning basic financial accounting principles in journalizing and posting accounting transactions
- Learnig accounting procedures and cycles in merchandizing and service companies
- Learning accounts belonging to assets, liabilities, equity, cost, and revenues
- Learning how to prepare "Balance Sheet", "Income Statement", "Statement of Change in Financial Position", and "Cash Flow Statement".
- Learning GAAP and IFRS(International Financial Report Standard)

2) Goal to study

- This class allows the students to understand the fundamental accounting principles needed for practical business records.
- Learning the accounting principles also gives the students more oppotunities to enrich their job career under international environment.

[2] Course Learning Outcomes

Learning Objective

- 1) Understanding fundamental accounting principles for the next step accounting areas including intermediate- and advanced financial and accounting.
- 2) Understanding IFRS under international business change

[3] Class Delivery Method

- class will be offered by lecture mainly and students are requested to present the assigned chapter in major accounting principles.
- The presentation of each group will be evaluated based on contents, hand-out materials, presentation skills, questions, and discussion
- As far as the class is done in English, communication skill is another important goal to achieve. Meanwhile accounting principles are not so easy to understand in a short time, the students are strongly recommended to refer to Korean textbook for review and prestudy.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	5 %	%	%	10 %	5 %	%	10 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	%	%	%	%	70 %	10 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Weygandt, Kimmel,	Publisher	Wiley	Textbook	Accounting Principles(교수 제공)	Issued year	2014
(2)	Author	김혁외 2인	Publisher	무역경영사	Textbook	알기쉬운 회계원리 기초(영어강의와 진도를 맞추어서 수업보충)	Issued year	2018
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

- * we will discuss how to prepare the textbook in English at the first class.
- * All students have to prepare the Korean textbook named "알기쉬운 회계원리기초"

[6] Weekly lesson plans

First week	Chapter 1: Accounting in Action Chapter 2: The Accounting Record Process
Second week	Chapter 3: Adjusting the Accounts
Third week	Chapter 4: Completing the Accounting Cycle
Fourth week	Chapter 5: Accounting for Machandising Operations Chapter 6: Inventories
Fifth week	Chapter 7: Accounting Information System
Sixth week	Chapter 8: Fraud, Internal Control, and Cash
Seventh week	Chapter 9: Accounting for Receivables
Eighth week	Mid-term Exam.
Ninth week	Chapter 10: Plant Assets, Natural Resources, and Intengible Assents
Tenth week	Student presentation(to be assigned)
Eleventh week	Student presentation(to be assigned)
Twelfth week	Chapter 16: Investment
Thirteenth week	Chapter 17: Statement of Cash Flow
Fourteenth week	Chapter 18: Fiancial Statement Analysis
Fifteenth week	Final Exam.
Sixteenth week	

[7] Assignments

The first assignment	assignment	presentation	submission date	
	purpose	Understanding Accounting Principles		
	procedure & notice	<ul style="list-style-type: none"> - 6 Groups - Assigning the presentation - preparing the assigned presetaion - 20 points - presentation materials by PPT should be submitted - duration of presentation may be 15-25 mins 		
	references			
The second assignment	assignment	journalizing the accounting transactions.etc.	submission date	
	purpose	Practicing the various accounting transactions		
	procedure & notice	* Each presentation will be evaluated on the basis of contents, presentation skill, materials, PPT, discussion and Q&A..		

		* The presenter of each group will get a more points of 2-3 than other group members..		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	CUSTOMER SERVICE	Course Number	0007945001
Major / School Year	/ 1	completion division /Grade evaluation	/
Department/Professor	/	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF524:목(7-8A),금(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides students with basic concepts and current trends in the customer service industry (e.g., banks, educational institutions, hospitals, hotels, professional services, transportation companies). Special areas of emphasis include problem-solving, development of a customer service strategy, creating customer service systems, service recovery, coping with challenging customers, customer retention, and measuring satisfaction.

참고: 본 강의는 온라인(동영상) 강의입니다.

[2] Course Learning Outcomes

Upon completion of this course, students should be able to:

1. Define customer service.
2. Understand customer retention and various methods of measuring customer satisfaction.
3. Discuss the relationship between strategy and empowerment.
4. Understand the concept of service recovery.
5. Express an understanding of how to cope with those individuals whom they find to be challenging.
6. Discuss the relationship between leadership and motivation in customer service.

[3] Class Delivery Method

Course format includes lectures, class and group discussions, small group exercises, guest speaker group presentations, and media presentations. Active participation and involvement are essential for the best learning experience and success in the course.

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Elaine K. Harris	Publisher		Textbook	Customer Service: A Practical Approach (6th Edition)	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	Course Overview Introduction to Service
Second week	What is Customer Service? Ch.1
Third week	The Challenges of Customer Service Ch.2
Fourth week	Problem Solving Ch.3
Fifth week	Strategy for Formulating a Plan for Success Ch.4
Sixth week	Empowerment Ch.5
Seventh week	Communications in Customer Service Ch.6
Eighth week	Review for Exam 1 Exam 1
Ninth week	Coping with Challenging Customers Ch.7
Tenth week	Motivation Ch.8
Eleventh week	Leadership in Customer Service Ch.9
Twelfth week	Customer Retention and Measurement of Satisfaction Ch.10
Thirteenth week	Technology and Customer Service Ch.11
Fourteenth week	Excellence in Customer Service Ch.12
Fifteenth week	Review for Exam 2 Exam 2
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	CALCULUS(1)		Course Number	XAA1358030		
Major / School Year	Dept. of Mechanical Engineering / 1		completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering / 권재성		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class /	[SI272:화(2)(3)] [SI386:수(8)]		
Office hours			lecture room			

[1] Outline / Purpose

많은 물리법칙과 관계들이 수학적으로는 미분방정식의 형태로 표현될 수 있으며, 실제로 많은 공학적 문제들이 미분방정식으로 나타납니다. 따라서 공학시스템들의 고유특성과 행동패턴들을 근사적으로 풀이하기 위해서는 미분방정식의 해를 반드시 구할 수 있어야 합니다. 본 "대학수학1"에서는 수강생들이 미분방정식을 이해하고 그와 관련된 풀이법들을 습득하기 위해 다음과 같은 기초지식들을 배웁니다: 극한, 미분법, 도함수, 적분, 초월함수, 무한수열, 급수, 상미분 방정식

[2] Course Learning Outcomes

"대학수학1"은 한학기동안 미분방정식을 풀이하는데 필요한 기초지식들을 다룹니다. 그 기초지식들은 극한, 미분법, 도함수, 적분, 초월함수, 무한수열 등을 포함합니다. 본 강의를 통해 수강생들은 자연계에서 관찰되는 여러 현상들을 미분방정식으로 모델링하고 그것을 풀이할 수 있는 능력을 배양합니다.

[3] Class Delivery Method

1. 본 대학수학(1) 강의는 온라인(동영상)+오프라인 수업을 병행하는 방식으로 진행됩니다.
2. 온라인(동영상)강의를 위해 매주 강의 3시간에 해당하는 동영상 및 슬라이드 자료들을 인천대 이러닝 웹사이트 LMS시스템(cyber.inu.ac.kr)에 미리 업로드해 놓을 것입니다. 따라서 수강생들은 오프라인 수업에 오기 전 그 온라인 자료들을 완벽히 시청하여야 합니다. 오프라인 수업은 온라인 자료에 대한 수강생들의 질의와 답변, 그리고 관련예제들의 풀이를 하는 시간으로 구성됩니다.
3. 온라인 동영상은 시간표에 정해진 수업시간에 맞춰 접속하여 시청해야만 LMS상에 출석으로 기록되며, 수업시간 이외에 접속하여 시청할 경우 아무리 100%시청했다 하더라도 출석으로 간주되지 않으니 이점 반드시 유념해주길 바랍니다.
4. 본 강의는 원어민강의입니다. 그러나 대학수학(1)에 대한 수강생들의 이해를 높이기 위하여 온라인 동영상에서 구두로 전달하는 내용에 대해서는 한국어를 사용하기로 하되, 그 외 수업자료, 과제, 시험문제, 오프라인 수업 등에서는 영어를 사용할 것입니다.
5. 수업과 관련된 공지사항들은 모두 LMS웹사이트상에 게시할 것입니다. 개강전까지 LMS시스템에 접속하여 본인의 개인연락처를 반드시 확인하고, 잘못된 정보가 기록되어 있을 경우 반드시 수정해주길 바랍니다. 별도의 공지가 없다고 하더라도 주기적으로 LMS 사이트를 체크하여 본인의 수업과 학습에 지장이 없도록 해주길 바랍니다.
6. 시험은 2회(중간고사, 기말고사) 치뤄지며, 시험방식은 기본적으로 대면입니다. 하지만 코로나-19 상황의 추후 변동에 따라 온라인으로 변경될 수도 있음을 참고바랍니다. 시험방식에 대한 판단은 오직 강의를 담당하는 교수에 의해서 결정될 것이니 참고바랍니다.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	0 %	50 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	20 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	J.R.Hass et al.	Publisher	Pearson	Textbook	University Calculus (14th edition) (영문판)	Issued year
(2)	Author	J.R.Hass et al.	Publisher	청문각	Textbook	미분적분학 (14판) (국문판)	Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class orientation Chap.1 Functions
Second week	Chap.2 Limits and Continuity
Third week	Chap.3 Derivatives (1)
Fourth week	Chap.3 Derivatives (2)
Fifth week	Chap.4 Applications of Derivatives
Sixth week	Chap.5 Integrals
Seventh week	Chap.6 Applications of Definite Integrals
Eighth week	Mid-term exam
Ninth week	Chap.7 Integrals and Transcendental Functions
Tenth week	Chap.8 Techniques of Integration
Eleventh week	Chap.9 Infinite Sequences and Series (1)
Twelfth week	Chap.9 Infinite Sequences and Series (2)
Thirteenth week	Ordinary Differential Equation (1)
Fourteenth week	Ordinary Differential Equation (2)
Fifteenth week	Final-term exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	CALCULUS(1)		Course Number	XAA1358031		
Major / School Year	Dept. of Mechanical Engineering / 1		completion division / Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering / 권재성		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class /	[SI386:수(9)] [SY2102:화(8)(9)]		
Office hours			lecture room			

[1] Outline / Purpose

많은 물리법칙과 관계들이 수학적으로는 미분방정식의 형태로 표현될 수 있으며, 실제로 많은 공학적 문제들이 미분방정식으로 나타납니다. 따라서 공학시스템들의 고유특성과 행동패턴들을 근사적으로 풀이하기 위해서는 미분방정식의 해를 반드시 구할 수 있어야 합니다. 본 "대학수학1"에서는 수강생들이 미분방정식을 이해하고 그와 관련된 풀이법들을 습득하기 위해 다음과 같은 기초지식들을 배웁니다: 극한, 미분법, 도함수, 적분, 초월함수, 무한수열, 급수, 상미분 방정식

[2] Course Learning Outcomes

"대학수학1"은 한학기동안 미분방정식을 풀이하는데 필요한 기초지식들을 다룹니다. 그 기초지식들은 극한, 미분법, 도함수, 적분, 초월함수, 무한수열 등을 포함합니다. 본 강의를 통해 수강생들은 자연계에서 관찰되는 여러 현상들을 미분방정식으로 모델링하고 그것을 풀이할 수 있는 능력을 배양합니다.

[3] Class Delivery Method

1. 본 대학수학(1) 강의는 온라인(동영상)+오프라인 수업을 병행하는 방식으로 진행됩니다.
2. 온라인(동영상)강의를 위해 매주 강의 3시간에 해당하는 동영상 및 슬라이드 자료들을 인천대 이러닝 웹사이트 LMS시스템(cyber.inu.ac.kr)에 미리 업로드해 놓을 것입니다. 따라서 수강생들은 오프라인 수업에 오기 전 그 온라인 자료들을 완벽히 시청하여야 합니다. 오프라인 수업은 온라인 자료에 대한 수강생들의 질의와 답변, 그리고 관련예제들의 풀이를 하는 시간으로 구성됩니다.
3. 온라인 동영상은 시간표에 정해진 수업시간에 맞춰 접속하여 시청해야만 LMS상에 출석으로 기록되며, 수업시간 이외에 접속하여 시청할 경우 아무리 100%시청했다 하더라도 출석으로 간주되지 않으니 이점 반드시 유념해주길 바랍니다.
4. 본 강의는 원어강의입니다. 그러나 대학수학(1)에 대한 수강생들의 이해를 드높이기 위하여 온라인 동영상에서 구두로 전달하는 내용에 대해서는 한국어를 사용하기로 하되, 그 외 수업자료, 과제, 시험문제, 오프라인 수업 등에서는 영어를 사용할 것입니다.
5. 수업과 관련된 공지사항들은 모두 LMS웹사이트상에 게시할 것입니다. 개강전까지 LMS시스템에 접속하여 본인의 개인연락처를 반드시 확인하고, 잘못된 정보가 기록되어 있을 경우 반드시 수정해주길 바랍니다. 별도의 공지가 없다고 하더라도 주기적으로 LMS 사이트를 체크하여 본인의 수업과 학습에 지장이 없도록 해주길 바랍니다.
6. 시험은 2회(중간고사, 기말고사) 치뤄지며, 시험방식은 기본적으로 대면입니다. 하지만 코로나-19 상황의 추후 변동에 따라 온라인으로 변경될 수도 있음을 참고바랍니다. 시험방식에 대한 판단은 오직 강의를 담당하는 교수에 의해서 결정될 것이니 참고바랍니다.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	0 %	50 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	20 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	J.R.Hass et al.	Publisher	Pearson	Textbook	University Calculus (14th edition) (영문판)	Issued year
(2)	Author	J.R.Hass et al.	Publisher	청문각	Textbook	미분적분학 (14판) (국문판)	Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class orientation Chap.1 Functions
Second week	Chap.2 Limits and Continuity
Third week	Chap.3 Derivatives (1)
Fourth week	Chap.3 Derivatives (2)
Fifth week	Chap.4 Applications of Derivatives
Sixth week	Chap.5 Integrals
Seventh week	Chap.6 Applications of Definite Integrals
Eighth week	Mid-term exam
Ninth week	Chap.7 Integrals and Transcendental Functions
Tenth week	Chap.8 Techniques of Integration
Eleventh week	Chap.9 Infinite Sequences and Series (1)
Twelfth week	Chap.9 Infinite Sequences and Series (2)
Thirteenth week	Ordinary Differential Equation (1)
Fourteenth week	Ordinary Differential Equation (2)
Fifteenth week	Final-term exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	SOLID MECHANICS(1)	Course Number	0002806002
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 구상모	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI482:화(1),목(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

고체역학은 인장, 압축, 전단, 굽힘 및 비틀림 등의 하중을 받고 있는 기계구조의 거동을 취급하는 응용역학의 한 분야로서 재료강도학 또는 변형체 역학이라고도 한다. 특히, 고체역학은 기계 및 구조물 설계 시 가장 핵심적 과목으로, 수업목적은 각종 하중을 받는 기계 구조물에 작용하는 응력(stress)과 변형률(strain) 및 변형량을 해석하는 방법론을 숙지케하여 실제 기계계나 구조물을 설계하는 능력을 배양하는데 있다.

(No allowance of enrollment for Foreign students and exchange students)

[2] Course Learning Outcomes

고체역학1에서는 아래의 내용을 숙지하도록 하여 구조물이나 기계의 설계능력을 배양한다.

1. 힘과 모멘트(moment) 및 평형조건
2. 축하중(인장력, 압축력), 전단력 등에 의한 응력, 변형률
3. 축하중에 의한 구조물의 변형
3. 축(shaft) 부재에 작용하는 비틀림모멘트에 의한 응력, 변형률, 변형
4. 응력과 변형률의 해석
5. Mohr의 원(circle)

[3] Class Delivery Method

수업방법 :

비대면 수업주차 : 1, 2주차 (코로나19로 인해 우선 1주차와 2주차에 대해서는 동영상 강의 방식으로 비대면수업 진행)

- 업로드 된 동영상 강의자료를 이용한 수업 진행
- 수업내용에 대한 문의사항은 이메일 (skoo@inu.ac.kr)을 이용하여 문의

1. 역학의 제 법칙에 대한 물리적 개념의 확립에 중점을 둔 강의 진행
2. 힘과 응력, 변형률, 변형에 대한 이론적 해석방법에 대한 강의
3. 해석방법에 대한 사례중심, 예제문제 풀이 중심 강의
4. 실제 기계계나 구조물에 대한 해석방법 및 해석결과 고찰 방법 강의
5. 과제물을 통한 수업내용에 대한 이해도 측정 병행

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	10 %	0 %	0 %	10 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	80 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	관문규, 구상모, 김경표, 김철래, 유영찬, 이영욱, 이희영, 옮김	Publisher	교문사	Textbook	Gere 정역학과 재료역학	Issued year	2022
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	J. M. Gear 외	Publisher	CENGAGE Learning	Textbook	SI 재료역학(8판)	Issued year	2016
(2)	Author	J. M. Gear 외	Publisher	CENGAGE Learning	Textbook	Mechanics of Materials	Issued year	2016

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	교과목 소개 1. 고체역학의 기본개념 2. 고체역학의 필요성 및 목적 3. 고체역학과 설계의 상관 관계
Second week	제1장 인장, 압축, 전단 1. 정역학 복습 2. 힘, 모멘트의 개념 3. 힘의 평형조건
Third week	제1장 인장, 압축, 전단 1. 자유물체도의 개념과 작성법 2. 정역학 문제풀이 3. 수직응력과 변형률
Fourth week	제1장 인장, 압축, 전단 1. 재료의 기계적 성질 2. 인장시험곡선 3. 탄성계수, Hooke의 법칙, Poisson's ratio
Fifth week	제1장 인장, 압축, 전단 1. 전단하중과 전단변형률 2. 허용응력과 허용하중 3. 예제 및 문제 풀이
Sixth week	제2장 축하중을 받는 부재 1. 축하중을 받는 부재의 길이 변형(정정계) 2. 정정계 구조물의 변형량 계산 예제문제 풀이 3. 예제 및 문제 풀이
Seventh week	제2장 축하중을 받는 부재 1. 축하중을 받는 부재의 길이 변형(부정정계) 2. 부정정계 구조물의 변형량 계산 예제문제
Eighth week	중간고사
Ninth week	중간고사 문제 풀이 및 복습 제2장 축하중을 받는 부재 1. 열효과, 어긋남, 사전변형 2. 경사면에서의 응력 3. 예제문제 풀이
Tenth week	제2장 축하중을 받는 부재 1. 변형에너지 2. 충격하중, 반복하중과 피로(fatigue) 3. 응력집중 4. 예제문제 풀이
Eleventh week	제3장 비틀림(Torsion) 1. 비틀림에서의 응력, 변형률, 변형 2. 원형축에 의한 동력 전달 3. 부정정 비틀림 부재 4. 예제문제 풀이
Twelfth week	제3장 비틀림(Torsion) 1. 비틀림과 순수전단에서의 변형에너지 2. 두께가 얇은 관 3. 예제문제 풀이
Thirteenth week	제7장 응력과 변형률의 해석 1. 평면응력과 평면변형률 2. 주응력과 최대전단응력 3. 예제문제 풀이
Fourteenth week	제7장 응력과 변형률의 해석 1. 평면응력에 대한 모어 원 2. 모어 원의 작도법 3. 변형률의 측정 3. 예제문제 풀이
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

	assignment	TBD	submission date	
--	------------	-----	-----------------	--

The first assignment	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
The third assignment	references			
	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGINEERING THERMODYNAMICS 1	Course Number	0002807002
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 안호선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI272:화(9),목(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

열역학은 상태의 변화에 따른 물질의 성질을 연구하는 학문으로서 에너지, 일 및 열사이의 모든관계를 유도하며 이를 통해 각종 열기관의 작동사이클해석에 필요한 기본지식의 함양을 교과목의 목적으로 한다.

[2] Course Learning Outcomes

본 과목을 통하여 에너지 및 열과 일에 관련된 모든 개념을 이해하고 이를 물이나 증기, 공기 등의 성질변화에 대한 해석을 가능하게 하며 이를 통해 열기관의 이해를 위한 기본적인 개념이해를 수업목표로 한다.

[3] Class Delivery Method

강의와 자유토론

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
70 %	0 %	30 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	문운당	Textbook	최신공업열역학 제4판	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	개요
Second week	순수물질의 상태방정식과 열역학적 성질
Third week	순수물질의 상태방정식과 열역학적 성질
Fourth week	열역학 제1법칙의 공식화와 에너지
Fifth week	열역학 제1법칙의 공식화와 에너지
Sixth week	열역학 제1법칙의 공식화와 에너지
Seventh week	개방시스템에서 열역학 기본법칙의 공식화
Eighth week	중간고사
Ninth week	열역학 제2법칙의 공식화와 엔트로피
Tenth week	열역학 제2법칙의 공식화와 엔트로피
Eleventh week	개방시스템에서 열역학 기본법칙의 공식화
Twelfth week	증기동력 사이클
Thirteenth week	증기동력 사이클
Fourteenth week	냉동사이클
Fifteenth week	냉동사이클
Sixteenth week	기말고사

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGINEERING MATERIALS	Course Number	EPA6123001
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 이태선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358419	A weekday / class /	[SY2102:월(4),금(2)(3)]
Office hours	TBA	lecture room	

[1] Outline / Purpose

In this course the mechanical characteristics and structure of engineering materials will be covered.

[2] Course Learning Outcomes

Study the structural materials in terms of their microstructure and properties.
The students will learn to read phase diagrams and relate the structure to the properties.

[3] Class Delivery Method

This course will be offered as on-line lectures.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Callister	Publisher	시그마프레스	Textbook	Materials Science and Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and fundamentals of materials
Second week	The structure of crystalline solids
Third week	Imperfections in solids
Fourth week	Mechanical properties of metals
Fifth week	Dislocations
Sixth week	Strengthening Mechanisms
Seventh week	Failure
Eighth week	Mid-term
Ninth week	Phase diagram
Tenth week	Phase transformation and diffusion
Eleventh week	Ferrous metals
Twelfth week	Non-ferrous metals
Thirteenth week	Polymers
Fourteenth week	Metal processing
Fifteenth week	Final-term
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ELECTRICAL AND ELECTRONIC ENGINEERING	Course Number	EPA6098001
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김경태	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358869	A weekday / class /	[SI482:수(8)(9),금(5)]
Office hours		lecture room	

[1] Outline / Purpose

제어 및 계측 장치에 활용하는 전기전자공학 기초 이해

[2] Course Learning Outcomes

전기 회로 분석, 과도 및 정상상태 응답 해석 능력 배양

[3] Class Delivery Method

-온라인 동영상 시청 및 대면 강의

* 전기공학과, 전자공학과, 메카트로닉스공학과, 안전공학과, 정보통신공학과, 임베디드시스템공학과 소속 학생은 수강 불허

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	0 %	0 %	30 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	70 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Richard C. Dorf, James A. Svoboda	Publisher	Wiley	Textbook	Dorf's Introduction to Electric Circuit, Global Edition	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Electric Circuit Variables
Second week	Circuit Elements
Third week	Resistive Circuits
Fourth week	Methods of Analysis of Resistive Circuits
Fifth week	Circuit Theorems 1
Sixth week	Circuit Theorems 2
Seventh week	The OP Amp
Eighth week	중간고사
Ninth week	Energy Storage Elements
Tenth week	The complete response of RL/RC circuits
Eleventh week	The complete response of circuits 1
Twelfth week	The complete response of circuits 2
Thirteenth week	The Sinusoidal Steady-State Analysis
Fourteenth week	AC Steady State Power
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ELECTRICAL AND ELECTRONIC ENGINEERING	Course Number	EPA6098003
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358032	A weekday / class /	[SI268:월(6)(7),화(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers the analysis of electric circuits used in the generation, transmission, and consumption of electric power and energy.

[2] Course Learning Outcomes

To understand the fundamental principles and methods of circuit analysis for direct and alternating currents.

[3] Class Delivery Method

Online blended course

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	10 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	90 %	0 %	0 %	10 %

[4] Grading Policies

Midterm exam: 30%

Final exam: 30%

Assignment(Quiz): 20%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Richard C. Dorf, James A. Svoboda	Wiley	Dorf's Introduction to Electric Circuit, Global Edition	2018
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Electric Circuit Variables
Second week	Circuit Elements
Third week	Resistive Circuits
Fourth week	Methods of Analysis of Resistive Circuits
Fifth week	Circuit Theorems 1
Sixth week	Circuit Theorems 2
Seventh week	The OP Amp
Eighth week	Midterm Exam
Ninth week	Energy Storage Elements
Tenth week	The complete response of RL/RC circuits
Eleventh week	The complete response of circuits 1
Twelfth week	The complete response of circuits 2
Thirteenth week	The Sinusoidal Steady-State Analysis
Fourteenth week	AC Steady State Power
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ELECTRICAL AND ELECTRONIC ENGINEERING	Course Number	EPA6098002
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358032	A weekday / class /	[SI386:월(8)(9),목(1)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers the analysis of electric circuits used in the generation, transmission, and consumption of electric power and energy.

[2] Course Learning Outcomes

To understand the fundamental principles and methods of circuit analysis for direct and alternating currents.

[3] Class Delivery Method

Online blended course

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	10 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	90 %	0 %	0 %	10 %

[4] Grading Policies

Midterm exam: 30%

Final exam: 30%

Assignment(Quiz): 20%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Richard C. Dorf, James A. Svoboda	Publisher	Wiley	Textbook	Dorf's Introduction to Electric Circuit, Global Edition	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Electric Circuit Variables
Second week	Circuit Elements
Third week	Resistive Circuits
Fourth week	Methods of Analysis of Resistive Circuits
Fifth week	Circuit Theorems 1
Sixth week	Circuit Theorems 2
Seventh week	The OP Amp
Eighth week	Midterm Exam
Ninth week	Energy Storage Elements
Tenth week	The complete response of RL/RC circuits
Eleventh week	The complete response of circuits 1
Twelfth week	The complete response of circuits 2
Thirteenth week	The Sinusoidal Steady-State Analysis
Fourteenth week	AC Steady State Power
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MECHANICAL VIBRATIONS	Course Number	EPA6032001
Major / School Year	Dept. of Mechanical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 송병근	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358669	A weekday / class /	[SI272:월(5)(6)] [SI482:화(6)]
Office hours		lecture room	

[1] Outline / Purpose

기계진동의 기본적인 개념을 이해하고 기계진동 문제의 이론적인 해석능력과 컴퓨터 소프트웨어를 사용한 해석능력을 배양한다. 이를 위해 우선 간단한 1 자유도(degree of freedom) 시스템에 대한 자유진동, 조화 가진진동 및 과도진동에 대한 해석방법을 익히고, 공학에서 유용하게 사용되는 소프트웨어인 MATLAB을 활용한 진동해석 방법을 익힌다. 이후 2자유도계과 다자유도계 진동에 대한 이론적인 해석과 MATLAB을 통한 해석법을 익히고, 이를 통해 진동방지 혹은 진동활용등 다양한 실질적인 진동문제를 해결하는 능력을 배양한다.

[2] Course Learning Outcomes

수업목표는 다음과 같은 3단계로 이루어 졌다

1. 기계진동의 기본 개념 이해
2. 기계진동 문제의 수학적 해석 및 MATLAB을 사용한 해석
3. 각종 실제 진동문제에 대한 분석 및 해결 능력 배양

[3] Class Delivery Method

ppt자료를 사용한 강의와 예제문제 풀이위주로 진행하며, 각장마다 중요한 연습문제 숙제를 부과하고, 숙제 제출후 숙제 문제에 대한 질문을 받고 그 문제에 대해서 학생들 중에서 자발적으로 문제풀이를 하도록 문제풀이 발표자에게 가점을 준다. 학생들이 잘 이해못 하는 부분은 보충 설명을 통해 이해시킨다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	20 %	%	%	10 %	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	%	%	5 %	%	70 %	5 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson Education	Textbook	Engineering Vibrations/ 4th edition	Issued year	2014	
(2)	Author	William T. Thomson/ Marie Dillon Dahleh	Publisher	Prentice Hall	Textbook	Theory of Vibration with Applications / 5th editon	Issued year	1998
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	INTRODUCTION TO VIBRATION AND THE FREE RESPONSE - Introduction to Free Vibration - Harmonic Motion
Second week	INTRODUCTION TO VIBRATION AND THE FREE RESPONSE - Viscous Damping - Modeling and Energy Methods - Stiffness
Third week	INTRODUCTION TO VIBRATION AND THE FREE RESPONSE - Measurement - Design Considerations - Stability
Fourth week	INTRODUCTION TO VIBRATION AND THE FREE RESPONSE - Numerical Simulation of the Time Response - Coulomb Friction and the Pendulum
Fifth week	RESPONSE TO HARMONIC EXCITATION - Harmonic Excitation to Undamped Systems - Harmonic Excitation to Damped Systems - Alternative Representation
Sixth week	RESPONSE TO HARMONIC EXCITATION - Base Excitation - Rotating Unbalance - Measurement Devices
Seventh week	RESPONSE TO HARMONIC EXCITATION - Other Forms of Damping - Numerical Simulation and Design - Review for Midterm Test
Eighth week	중간고사
Ninth week	GENERAL FORCED RESPONSE - Impulse Response Function - Response to an Arbitrary Input - Response to an Arbitrary Periodic Input
Tenth week	GENERAL FORCED RESPONSE - Transform Methods - Response to Random Inputs - Shock Spectrum
Eleventh week	GENERAL FORCED RESPONSE - Measurement via Transfer Functions - Stability - Numerical Simulation of the Response
Twelfth week	TWO DEGREE OF FREEDOM SYSTEMS - Two-Degree-of-Freedom Model (Undamped) - Eigenvalues and Natural Frequencies
Thirteenth week	TWO DEGREE OF FREEDOM SYSTEMS - Modal Analysis - Systems with Viscous damping
Fourteenth week	TWO DEGREE OF FREEDOM SYSTEMS - Modal Analysis of the Forced Response - Computational Eigenvalue Problems For Vibration
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	FLUID MECHANICS(2)		Course Number	EPA6058002		
Major / School Year	Dept. of Mechanical Engineering / 3		completion division / Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering / 권재성		Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI482:수(1)(2),목(2)]		
Office hours			lecture room			

[1] Outline / Purpose

유체역학(2)에서는 유체역학(1)에서 배운 유체정역학, 유체동역학, 유체운동학, 그리고 유한 검사체적 해석 방법을 바탕으로 하여 유동 상사율, 파이프내 점성 유동, 외부 유동, 그리고 터보머신러리를 배웁니다. 유동 상사율에서는 상사(similitude)라는 개념을 통해 한 시스템에 대해 얻어진 측정값을 사용하여 다른 상사 시스템의 거동을 설명할 수 있는 방법을 배웁니다. 파이프내 점성 유동에서는 앞서 배운 질량, 운동량, 에너지 등에 관련된 지배 법칙들을 이용하여 파이프와 덕트 내부의 유동을 해석합니다. 외부유동에서는 경계층이론과 항력 및 양력을 기반으로 다양한 외부유동형태를 해석합니다. 마지막으로 터보머신러리에서는 에너지 방정식과 각운동량 방정식을 이용하여 펌프, 팬, 터빈 등의 터보머신들의 작동원리를 배웁니다.

[2] Course Learning Outcomes

본 강의를 통해 수강생들은 버킹엄 이론의 적용하여 주어진 유동 상황에 대한 무차원수를 유도하고 그 무차원수를 이용하여 그 유동을 특징화하는 방법을 습득합니다. 또한 유체방정식을 이용하여 내부유동의 속도프로파일을 결정하고 그로부터 유동특징들을 파악할 수 있어야 합니다. 아울러 경계층이론의 개념과 수학적 모델링을 익히는 한편, 터보머신의 작동원리를 이해합니다.

[3] Class Delivery Method

- 본 강의는 원어강의이며, 대면방식으로 진행됩니다.
- 수업내용에 대한 수강생들의 질문은 대면수업에서 받을 것이며, 답변도 그 즉시 이루어질 것입니다. 다만 자기학습(self-study)간 질의응답은 이메일로도 받을 것입니다. 이메일 주소는 다음과 같습니다: jsungkwon@inu.ac.kr.
- 수업과 관련된 공지사항들은 모두 이러한 웹사이트에 게시할 것입니다: cyber.inu.ac.kr. 개강 전까지 웹사이트에 들어가서 본인의 개인연락처를 반드시 확인하여 필요시 수정하도록 하고, 별도의 공지가 없다고 하더라도 주기적으로 웹사이트를 체크하여 본인의 수업과 학습에 지장이 없도록 해주길 바랍니다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	0 %	0 %	30 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	20 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Munson	Publisher	Wiley	Textbook	Fluid Mechanics	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Frank White	Publisher	McGraw-Hill	Textbook	Fluid Mechanics	Issued year
(2)	Author	Fox and McDonald	Publisher	Wiley	Textbook	Introduction to Fluid Mechanics	Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Chapter 7. Dimensional Analysis, Similitude, and Modeling (1) – Dimensional Analysis – Buckingham PI theorem – Determination of PI Terms – Determination of PI terms by inspection – Common Dimensionless Groups in Fluid Mechanics – Correlation of Experimental Data
Second week	Chapter 7. Dimensional Analysis, Similitude, and Modeling (2) – Modeling and Similitude – Some Typical Model Studies – Similitude Based on Governing Differential Equations
Third week	Chapter 8. Viscous Flow in Pipes (1) – General Characteristics of Pipe Flow – Fully Developed Laminar Flow
Fourth week	Chapter 8. Viscous Flow in Pipes (2) – Fully Developed Turbulent Flow – Dimensional Analysis of Pipe Flow
Fifth week	Chapter 8. Viscous Flow in Pipes (3) – Pipe flow examples – Pipe Flowrate Measurement
Sixth week	Chapter 9. Flow Over Immersed Bodies (1) – General External Flow Characteristics – Boundary Layer Characteristics
Seventh week	Chapter 9. Flow Over Immersed Bodies (2) – Boundary Layer Characteristics
Eighth week	Mid-term exam
Ninth week	Chapter 9. Flow Over Immersed Bodies (3) – Drag
Tenth week	Chapter 9. Flow Over Immersed Bodies (4) – Lift
Eleventh week	Chapter 12. Turbomachines (1) – Introduction – Basic Energy Consideration – Basic Angular Momentum Consideration
Twelfth week	Chapter 12. Turbomachines (2) – The Centrifugal Pump – Dimensionless Parameters and Similarity Laws
Thirteenth week	Chapter 12. Turbomachines (3) – Dimensionless Parameters and Similarity Laws – Axial-Flow and Mixed-Flow Pumps
Fourteenth week	Chapter 12. Turbomachines (4) – Fans – Turbines
Fifteenth week	Final-term exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Advanced Precision Machining	Course Number	0009981001
Major / School Year	Dept. of Mechanical Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 구상모	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI386:화(2)(3)] [SI515:목(1)]
Office hours		lecture room	

[1] Outline / Purpose

본 과목에서는 고전 전통가공공학에서 벗어나 최첨단 가공기법 등에 대해 다룸.
고전역학 기반 가공뿐 아니라, 레이저, 화학, 전자를 이용한 다양한 가공방법에서부터 마이크로/나노스케일의 정밀가공 방법에 대해 공부하게 된다

[2] Course Learning Outcomes

본 과목에서는 다양한 가공기법을 이용하여 마이크로/나노스케일의 가공방법의 기반에 대한 이해를 목표로 함

[3] Class Delivery Method

수업방법 :

- 수업방법은 PPT 파일 및 참고자료 동영상으로 진행 예정

수업내용에 대한 문의사항은 이메일 (skoo@inu.ac.kr)을 이용하여 문의

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	0 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	유인물	Issued year
(1)	-	-	Textbook	유인물	-
(2)			Textbook		
(3)			Textbook		

[Reference books]

(1)	Author	Publisher	Textbook	수업시간에 명시	Issued year
(1)	-	-	Textbook	수업시간에 명시	-
(2)			Textbook		
(3)			Textbook		
(4)			Textbook		
(5)			Textbook		

[Other books]

[6] Weekly lesson plans

First week	교과목 개요 소개
Second week	Microfabrication
Third week	Microfabrication
Fourth week	Microfabrication
Fifth week	MEMS
Sixth week	MEMS
Seventh week	MEMS
Eighth week	중간고사
Ninth week	Nanoscale fabrication
Tenth week	Nanoscale fabrication
Eleventh week	Nanoscale fabrication
Twelfth week	3D Printing
Thirteenth week	Laser-based fabrication
Fourteenth week	Laser-based fabrication
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment	추후 공지예정	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction: MicroElectoMechanical Systems	Course Number	0004892001
Major / School Year	Dept. of Mechanical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김경태	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI386:월(7),목(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

MEMS 에서 이용되는 공정을 공부하고, 이러한 공정을 이용한 초소형 센서와 액추에이터의 설계 및 제작에 관해 고전적인 방법들과 최신의 동향을 알아보고 이를 기반으로 하여 MEMS 소자나 시스템을 설계하는 경험을 갖도록 한다.

[2] Course Learning Outcomes

미세전자기계시스템(MEMS) 는 반도체 제작 공정을 활용하여 마이크로 또는 나노 스케일의 전자-기계 시스템의 제작에 필요한 지식과 기술을 포괄적으로 포함하는 학문을 의미한다. 최근 기계공학 전공자들은 전자 및 자동차, 또는 정밀 전자 부품 산업체에서 효율적인 업무를 수행하기 위해 반도체 제작 공정 지식이 필요하다. 또한 대학원이나 연구소에 진학하여서도 마이크로 및 나노 스케일에 관한 연구를 진행함에 있어서도 반도체 제작 기술에 대한 지식이 요구된다. 이러한 시대적 흐름과 요구를 충족시키기 위해 '미세전자기계시스템' 과목을 개설하여 학부를 졸업한 기계공학도들이 산업체와 연구소에서 활용할 수 있는 충분한 수준의 반도체 공정 지식을 습득하게 할 것이다.

[3] Class Delivery Method

본 강의는 동영상 강의를 활용하여 플립러닝 방식으로 진행할 수 있음.

-온라인 동영상 시청 + 오프라인 대면 강의

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
25 %	50 %	25 %	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	25 %	%	%	75 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Chang Liu	Publisher	Pearson, 한티미디어	Textbook	MEMS의 기초 (Foundation of MEMS)	Issued year	2009 0901
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	R. C. Jaeger	Publisher		Textbook	Introduction of Microelectronic Fabrication	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction History of MEMS
Second week	History of MEMS
Third week	Introduction to Micro fabrication
Fourth week	Review of Essential Electrical and Mechanical Concepts
Fifth week	Review of Essential Electrical and Mechanical Concepts
Sixth week	Electrostatic Sensing and Actuation
Seventh week	Electrostatic Sensing and Actuation
Eighth week	Midterm exam.
Ninth week	Thermal Sensing and Actuation
Tenth week	Piezoresistive Sensors
Eleventh week	Bulk Micromachining and Silicon Anisotropic Etching
Twelfth week	Bulk Micromachining and Silicon Anisotropic Etching
Thirteenth week	Surface Micromachining
Fourteenth week	Surface Micromachining
Fifteenth week	Scanning Probe Microscopy SPM Technologies
Sixteenth week	Final exam.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Capstone Design 2	Course Number	0006653001
Major / School Year	Dept. of Mechanical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 안호선	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI272:목(4)(5),금(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤디자인은 그 동안의 배운 공학 지식을 응용하여 제품이나 기계 혹은 시스템 제작 및 생산을 염두에 두고 설계하는 과정을 경험하는 강의로 한다. 제품, 기계 혹은 시스템을 완성하기 위해서는 대상 기계 혹은 제품을 잘 이해해야 하기 위한 개념 정립부터 시작하여, 기초 설계, 제조 및 생산을 고려하여 설계한다. 제작 및 생산을 염두에 둔 설계과정이기때문에 학생들은 자신이 설계한 제품이나 기계를 제작하여 자신의 설계를 스스로 평가한다.

[2] Course Learning Outcomes

한 개 혹은 두개의 제품, 기계 혹은 시스템을 선정하여 설계하고 시제작하여 생산을 고려한 설계 개념을 경험한다.

구체적인 수업 목표는

의료 기계 및 부품 시장을 이해한다.

종합적인 공학 지식을 응용하는 과정을 경험한다.

생산을 고려한 설계를 수행한다.

팀 프로젝트 회의 및 보고서 발표를 통해 의사소통하는 기술을 다듬는다.

직접 제품 및 기계를 제작하여 그 결과물과 설계 품질을 평가한다.

[3] Class Delivery Method

■ 강의, 토론, 발표 ■ BL(Blended Learning)

■ Team Teaching □ TBL(Team Based Learning)

■ CBL(Case Based Learning) □ AL(Action Learning)

■ PBL(Problem Based Learning) □ 기타

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	강의소개 및 조편성
Second week	캡스톤설계를 위한 이론 강의
Third week	캡스톤설계의 활용에 대한 강의
Fourth week	캡스톤설계 진행계획 발표
Fifth week	캡스톤설계 개발과정 점검
Sixth week	캡스톤설계 개발과정 점검
Seventh week	캡스톤설계 개발과정 점검
Eighth week	캡스톤설계 중간 발표회
Ninth week	캡스톤설계 개발과정 점검
Tenth week	캡스톤설계 개발과정 점검
Eleventh week	캡스톤설계 개발과정 점검
Twelfth week	캡스톤설계 개발과정 점검
Thirteenth week	캡스톤설계 개발과정 점검
Fourteenth week	캡스톤설계 개발과정 점검
Fifteenth week	캡스톤설계 개발과정 점검
Sixteenth week	캡스톤설계 최종 발표회

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Capstone Design 2	Course Number	0006653003
Major / School Year	Dept. of Mechanical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI386:금(2)(3)] [SJ226:목(4)(5)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤 디자인을 통해 제품 설계/개발 과정을 경험함

[2] Course Learning Outcomes

창의적 아이디어 설계 및 구현 능력을 배양함

[3] Class Delivery Method

이론: 목요일 12시-2시 (9호관 226호)

실습: 금요일 10-12시 (8호관 386호 및 공작실습실)

OT 안내

3/2(목) 오후 12시, 9호관 226호

*필수 참석 / OT 미참석자는 무작위로 팀 배정

5/5(금) 휴강: 해당 주차에 보강 실시

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	OT, 조 배정, 제품 설계
Second week	제품 설계, 주간발표
Third week	제품 설계, 주간발표
Fourth week	제품 설계, 주간발표
Fifth week	제품 설계, 주간발표
Sixth week	제품 설계, 주간발표
Seventh week	제품 설계, 주간발표
Eighth week	중간발표
Ninth week	제품 제작, 주간발표
Tenth week	제품 제작, 주간발표
Eleventh week	제품 제작, 주간발표
Twelfth week	제품 제작, 주간발표
Thirteenth week	제품 제작, 주간발표
Fourteenth week	제품 제작, 주간발표
Fifteenth week	기말발표
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Capstone Design 2	Course Number	0006653002
Major / School Year	Dept. of Mechanical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김경태	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI101:목(4)(5),금(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤디자인은 그 동안의 배운 공학 지식을 응용하여 제품이나 기계 혹은 시스템 제작 및 생산을 영두에 두고 설계하는 과정을 경험하는 강의로 합니다.

더불어 본 강의는 LINC3.0 기업연계형 캡스톤디자인 (맞춤형 캡스톤디자인) 교과목입니다.

실제적 기업의 문제에 접근하기 위하여 인천대 주변 기업인 지오테크놀로지 기업 이 진행중인 디스펜서 개발의 애로점을 공유 받아 전공지식을 활용하여 개선방안을 도출하는 프로젝트를 수행하려고 합니다.

[2] Course Learning Outcomes

기업 프로젝트의 애로 사항의 해결의 통해 실제적인 공학 문제의 해결 방안을 도출하는 능력을 배양하고, 이 과정을 통해서 재료, 공정 등을 고려한 종합 설계 및 제작 과정을 경험하는 것이 수업의 목표 입니다.

[3] Class Delivery Method

* 본 강의는 실제 산업체와 연계하여 산업체 애로 기술을 강의 주제로 합니다.

■ 강의, 토론, 발표 ■ BL(Blended Learning)

■ Team Teaching □ TBL(Team Based Learning)

■ CBL(Case Based Learning) □ AL(Action Learning)

■ PBL(Problem Based Learning) □ 기타

*코로나19로 인해 정상적인 오프라인 수업 전까지는 온라인 강의를 실시함

*인천대학교 학습관리시스템(LMS)에서 동영상을 시청하고 과제를 수행 후 제출함

*출석은 정해진 시간 내에 동영상을 시청하고, 과제를 풀어 이메일로 제출해야 인정함

*질의응답은 이메일을 우선으로 함

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	피어스 에듀케이션 코리아.	Textbook	창의적 공학설계	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	강의소개 및 조편성
Second week	캡스톤설계를 위한 이론 강의
Third week	캡스톤설계의 활용에 대한 강의
Fourth week	캡스톤설계 진행계획 발표
Fifth week	캡스톤설계 개발과정 점검
Sixth week	캡스톤설계 개발과정 점검
Seventh week	캡스톤설계 개발과정 점검
Eighth week	캡스톤설계 중간 발표회
Ninth week	캡스톤설계 개발과정 점검
Tenth week	캡스톤설계 개발과정 점검
Eleventh week	캡스톤설계 개발과정 점검
Twelfth week	캡스톤설계 개발과정 점검
Thirteenth week	캡스톤설계 개발과정 점검
Fourteenth week	캡스톤설계 개발과정 점검
Fifteenth week	캡스톤설계 개발과정 점검
Sixteenth week	캡스톤설계 최종 발표회

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGINEERING MATERIALS	Course Number	EPA6123003
Major / School Year	Dept. of Mechanical Engineering(Evening) / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 이태선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358419	A weekday / class / lecture room	[SI386:수(0ㄱ3)] [SI503:월(0ㄱ1)(0ㄱ2)]
Office hours	TBA		

[1] Outline / Purpose

In this course the mechanical characteristics and structure of engineering materials will be covered.

[2] Course Learning Outcomes

Study the structural materials in terms of their microstructure and properties.
The students will learn to read phase diagrams and relate the structure to the properties.

[3] Class Delivery Method

The lectures will be provided in class.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Callister	Publisher	시그마프레스	Textbook	Materials Science and Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and fundamentals of materials
Second week	The structure of crystalline solids
Third week	Imperfections in solids
Fourth week	Mechanical properties of metals
Fifth week	Dislocations
Sixth week	Strengthening Mechanisms
Seventh week	Failure
Eighth week	Mid-term
Ninth week	Phase diagram
Tenth week	Phase transformation and diffusion
Eleventh week	Ferrous metals
Twelfth week	Non-ferrous metals
Thirteenth week	Polymers
Fourteenth week	Metal processing
Fifteenth week	Final-term
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	FLUID MECHANICS(2)		Course Number	EPA6058003		
Major / School Year	Dept. of Mechanical Engineering(Evening)	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 권재성	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI482:수(01)(02)(03)]		
Office hours			lecture room			

[1] Outline / Purpose

유체역학(2)에서는 유체역학(1)에서 배운 유체정역학, 유체동역학, 유체운동학, 그리고 유한 검사체적 해석 방법을 바탕으로 하여 유동 상사율, 파이프내 점성 유동, 외부 유동, 그리고 터보머시너리를 배웁니다. 유동 상사율에서는 상사(similitude)라는 개념을 통해 한 시스템에 대해 얻어진 측정값을 사용하여 다른 상사 시스템의 거동을 설명할 수 있는 방법을 배웁니다. 파이프내 점성 유동에서는 앞서 배운 질량, 운동량, 에너지 등에 관련된 지배 법칙들을 이용하여 파이프와 덕트 내부의 유동을 해석합니다. 외부유동에서는 경계층이론과 항력 및 양력을 기반으로 다양한 외부유동형태를 해석합니다. 마지막으로 터보머시너리에서는 에너지 방정식과 운동량 방정식을 이용하여 펌프, 팬, 터빈 등의 터보머신들의 작동원리를 배웁니다.

[2] Course Learning Outcomes

본 강의를 통해 수강생들은 버킹엄 이론의 적용하여 주어진 유동 상황에 대한 무차원수를 유도하고 그 무차원수를 이용하여 그 유동을 특징화하는 방법을 습득합니다. 또한 유체방정식을 이용하여 내부유동의 속도프로파일을 결정하고 그로부터 유동특징들을 파악할 수 있어야 합니다. 아울러 경계층이론의 개념과 수학적 모델링을 익히는 한편, 터보머신의 작동원리를 이해합니다.

[3] Class Delivery Method

- 본 강의는 원어강의이며 온라인 방식으로 진행됩니다. 따라서 유체역학(1)에 대한 수강생들의 이해를 드높이기 위해 온라인 동영상에서 구두로 전달하는 내용에 대해서는 한국어를 사용하기로 하되, 그 이외 수업자료, 과제, 시험문제 등에 대해서는 영어를 사용할 것입니다.
- 매주 수업 3시간에 해당하는 온라인 동영상은 수업 전 주에 업로드할 것입니다. 수강생들은 그 동영상을 정해진 수업시간에 시청하여야 하며, 이를 제시기에 들은 학생들에 대해서만 출석을 인정할 것입니다. 출석인정은 각 동영상 전체길이의 95%를 시청한 수강생에 한합니다.
- 학생들의 질문과 답변은 이메일(jsungkwon@inu.ac.kr)을 통해서 받을 것이며, 수강생들의 수업내용에 대한 이해도를 높이기 위하여 Webex에 기반한 별도의 온라인 Q&A시간을 마련할 수도 있습니다. 이것이 마련될 경우 사전공지가 이루어질 것입니다.
- 수업과 관련된 공지사항들은 모두 이러닝 웹사이트에 게시합니다: cyber.inu.ac.kr. 개강전까지 웹사이트에 들어가서 본인의 개인 연락처를 반드시 확인하여 필요시 수정하도록 하고, 별도의 공지가 없다고 하더라도 주기적으로 웹사이트를 체크하여 본인의 수업과 학습에 지장이 없도록 해주길 바랍니다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	30 %	0 %	70 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Munson	Publisher	Wiley	Textbook	Fluid Mechanics	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Frank White	Publisher	McGraw-Hill	Textbook	Fluid Mechanics	Issued year
(2)	Author	Fox and McDonald	Publisher	Wiley	Textbook	Introduction to Fluid Mechanics	Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Chapter 7. Dimensional Analysis, Similitude, and Modeling (1) – Dimensional Analysis – Buckingham PI theorem – Determination of PI Terms – Determination of PI terms by inspection – Common Dimensionless Groups in Fluid Mechanics – Correlation of Experimental Data
Second week	Chapter 7. Dimensional Analysis, Similitude, and Modeling (2) – Modeling and Similitude – Some Typical Model Studies – Similitude Based on Governing Differential Equations
Third week	Chapter 8. Viscous Flow in Pipes (1) – General Characteristics of Pipe Flow – Fully Developed Laminar Flow
Fourth week	Chapter 8. Viscous Flow in Pipes (2) – Fully Developed Turbulent Flow – Dimensional Analysis of Pipe Flow
Fifth week	Chapter 8. Viscous Flow in Pipes (3) – Pipe flow examples – Pipe Flowrate Measurement
Sixth week	Chapter 9. Flow Over Immersed Bodies (1) – General External Flow Characteristics – Boundary Layer Characteristics
Seventh week	Chapter 9. Flow Over Immersed Bodies (2) – Boundary Layer Characteristics
Eighth week	Mid-term exam
Ninth week	Chapter 9. Flow Over Immersed Bodies (3) – Drag
Tenth week	Chapter 9. Flow Over Immersed Bodies (4) – Lift
Eleventh week	Chapter 12. Turbomachines (1) – Introduction – Basic Energy Consideration – Basic Angular Momentum Consideration
Twelfth week	Chapter 12. Turbomachines (2) – The Centrifugal Pump – Dimensionless Parameters and Similarity Laws
Thirteenth week	Chapter 12. Turbomachines (3) – Dimensionless Parameters and Similarity Laws – Axial-Flow and Mixed-Flow Pumps
Fourteenth week	Chapter 12. Turbomachines (4) – Fans – Turbines
Fifteenth week	Final-term exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The third assignment	purpose	
	procedure & notice	
	references	

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Advanced Precision Machining	Course Number	0009981002
Major / School Year	Dept. of Mechanical Engineering(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 구상모	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI386:금(011)(012)(013)]
Office hours		lecture room	

[1] Outline / Purpose

본 과목에서는 고전 전통가공공학에서 벗어나 최첨단 가공기법 등에 대해 다룸.
고전역학 기반 가공뿐 아니라, 레이저, 화학, 전자를 이용한 다양한 가공방법에서부터 마이크로/나노스케일의 정밀가공 방법에 대해 공부하게 된다

[2] Course Learning Outcomes

본 과목에서는 다양한 가공기법을 이용하여 마이크로/나노스케일의 가공방법의 기반에 대한 이해를 목표로 함

[3] Class Delivery Method

수업방법 :

- 수업방법은 PPT 파일 및 참고자료 동영상으로 진행 예정

수업내용에 대한 문의사항은 이메일 (skoo@inu.ac.kr)을 이용하여 문의

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	0 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	-	Publisher	-	Textbook	유인물	Issued year	-
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	-	Publisher	-	Textbook	수업시간에 명시	Issued year	-
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	교과목 개요 소개
Second week	Microfabrication
Third week	Microfabrication
Fourth week	Microfabrication
Fifth week	MEMS
Sixth week	MEMS
Seventh week	MEMS
Eighth week	중간고사
Ninth week	Nanoscale fabrication
Tenth week	Nanoscale fabrication
Eleventh week	Nanoscale fabrication
Twelfth week	3D Printing
Thirteenth week	Laser-based fabrication
Fourteenth week	Laser-based fabrication
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment	추후 공지예정	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction: MicroElectoMechanical Systems		Course Number	0004892002		
Major / School Year	Dept. of Mechanical Engineering(Evening)	/ 4	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 김경태	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI503:화(011)(012)(013)]		
Office hours			lecture room			

[1] Outline / Purpose

MEMS 에서 이용되는 공정을 공부하고, 이러한 공정을 이용한 초소형 센서와 액추에이터의 설계 및 제작에 관해 고전적인 방법들과 최신의 동향을 알아보고 이를 기반으로 하여 MEMS 소자나 시스템을 설계하는 경험을 갖도록 한다.

[2] Course Learning Outcomes

미세전자기계시스템(MEMS) 는 반도체 제작 공정을 활용하여 마이크로 또는 나노 스케일의 전자-기계 시스템의 제작에 필요한 지식과 기술을 포괄적으로 포함하는 학문을 의미한다. 최근 기계공학 전공자들은 전자 및 자동차, 또는 정밀 전자 부품 산업체에서 효율적인 업무를 수행하기 위해 반도체 제작 공정 지식이 필요하다. 또한 대학원이나 연구소에 진학하여서도 마이크로 및 나노 스케일에 관한 연구를 진행함에 있어서도 반도체 제작 기술에 대한 지식이 요구된다. 이러한 시대적 흐름과 요구를 충족시키기 위해 '미세전자기계시스템' 과목을 개설하여 학부를 졸업한 기계공학도들이 산업체와 연구소에서 활용할 수 있는 충분한 수준의 반도체 공정 지식을 습득하게 할 것이다.

[3] Class Delivery Method

본 강의는 동영상 강의를 활용하여 플립러닝 방식으로 진행할 수 있음.

-온라인 동영상 시청 + 오프라인 대면강의

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
25 %	50 %	25 %	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	25 %	%	%	75 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Chang Liu	Publisher	Pearson, 한티미디어	Textbook	MEMS의 기초 (Foundation of MEMS)	Issued year	2009 0901
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	R. C. Jaeger	Publisher		Textbook	Introduction of Microelectronic Fabrication	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction History of MEMS
Second week	History of MEMS
Third week	Introduction to Micro fabrication
Fourth week	Review of Essential Electrical and Mechanical Concepts
Fifth week	Review of Essential Electrical and Mechanical Concepts
Sixth week	Electrostatic Sensing and Actuation
Seventh week	Electrostatic Sensing and Actuation
Eighth week	Midterm exam.
Ninth week	Thermal Sensing and Actuation
Tenth week	Piezoresistive Sensors
Eleventh week	Bulk Micromachining and Silicon Anisotropic Etching
Twelfth week	Bulk Micromachining and Silicon Anisotropic Etching
Thirteenth week	Surface Micromachining
Fourteenth week	Surface Micromachining
Fifteenth week	Scanning Probe Microscopy SPM Technologies
Sixteenth week	Final exam.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Engineering Programming with MATLAB	Course Number	0008730001
Major / School Year	Dept. of Mechatronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY1105:화(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

MATLAB is an useful programming tool in the engineering field for conducting basic calculations and analysis of the given equations from the practical system, including multiple functions and looping. The main purpose of this course is to deliver the fundamental knowledge how to use MATLAB and its applications to the engineering student.

[2] Course Learning Outcomes

The student must understand the basic concepts of computer programming and can construct the algorithms needed to examine and understand the characteristics of the given practical system.

[3] Class Delivery Method

1. Lectures for the basic concepts for constructing each relevant coding skill
2. Practice the basic concepts for constructing each relevant coding skill

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	0 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

1. The student should know the method how to construct the basic algorithm to get the desirable results
2. The student should understand the utilization of functions given in MATLAB
3. Finally, the student have to employ the computer programming skill into the engineering tasks.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	mathworks (Co.)	Publisher	mathworks (Co.)	Textbook	Help desk or PDF file of manual from www.mathworks.com	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author	최진탁, 임석진	Publisher	생능출판사	Textbook	매트랩 프로그래밍	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Understand the hardware of the computer system and programming languages
Second week	Understand the basic operators and command of MATLAB
Third week	Constructing MATLAB Script files by using basic operators
Fourth week	Use the basic functions given in MATLAB and draw the graph using plot command
Fifth week	1. Define the variable and allot the data into various methods 2. Understand "For" statement
Sixth week	Construct the multiple statements for basic summation
Seventh week	1. Handle the default GUI (Graphic User Interface) options 2. Construct the specific conditional statements using "Switch"
Eighth week	Making the "switch" statement by employing various ways
Ninth week	Understand "If" statement and its basic algorithm
Tenth week	1. Understand and make the "while" loop 2. Construct the codes using "while" loop using the basic GUI options
Eleventh week	1. Understand the basic concepts how to construct matrices and vectors 2. Make own codes to conduct the calculations using the matrices
Twelfth week	Understand multiple methods to allot the data into various sizes of matrices and vectors
Thirteenth week	Utilization of various methods to construct the desirable sizes of matrices and vectors
Fourteenth week	Basic concepts of constructing "Function" statement and its whole process to construct the algorithms
Fifteenth week	Understand the fundamental knowledge how to construct GUI using GUIDE option
Sixteenth week	Understand and make the analysis codes using GUI options

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Engineering Programming with MATLAB	Course Number	0008730002
Major / School Year	Dept. of Mechatronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY1105:수(5)(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

MATLAB is an useful programming tool in the engineering field for conducting basic calculations and analysis of the given equations from the practical system, including multiple functions and looping. The main purpose of this course is to deliver the fundamental knowledge how to use MATLAB and its applications to the engineering student.

[2] Course Learning Outcomes

The student must understand the basic concepts of computer programming and can construct the algorithms needed to examine and understand the characteristics of the given practical system.

[3] Class Delivery Method

1. Lectures for the basic concepts for constructing each relevant coding skill
2. Practice for the basic concepts for constructing each relevant coding skill

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	0 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

1. The student should know the method how to construct the basic algorithm to get the desirable results
2. The student should understand the utilization of functions given in MATLAB
3. Finally, the student have to employ the computer programming skill into the engineering tasks.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	mathworks (Co.)	Publisher	mathworks (Co.)	Textbook	Help desk or PDF file of manual from www.mathworks.com	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	최진탁, 임석진	Publisher	생능출판사	Textbook	매트랩 프로그래밍	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Understand the hardware of the computer system and programming languages
Second week	Understand the basic operators and command of MATLAB
Third week	Constructing MATLAB Script files by using basic operators
Fourth week	Use the basic functions given in MATLAB and draw the graph using plot command
Fifth week	1. Define the variable and allot the data into various methods 2. Understand "For" statement
Sixth week	Construct the multiple statements for basic summation
Seventh week	1. Handle the default GUI (Graphic User Interface) options 2. Construct the specific conditional statements using "Switch"
Eighth week	Making the "switch" statement by employing various ways
Ninth week	Understand "If" statement and its basic algorithm
Tenth week	1. Understand and make the "while" loop 2. Construct the codes using "while" loop using the basic GUI options
Eleventh week	1. Understand the basic concepts how to construct matrices and vectors 2. Make own codes to conduct the calculations using the matrices
Twelfth week	Understand multiple methods to allot the data into various sizes of matrices and vectors
Thirteenth week	Utilization of various methods to construct the desirable sizes of matrices and vectors
Fourteenth week	Basic concepts of constructing "Function" statement and its whole process to construct the algorithms
Fifteenth week	Understand the fundamental knowledge how to construct GUI using GUIDE option
Sixteenth week	Understand and make the analysis codes using GUI options

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Statics	Course Number	0008309001
Major / School Year	Dept. of Mechatronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 박기원	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:수(8)(9),토(2)]
Office hours		lecture room	

[1] Outline / Purpose

- Problem-solving techniques applicable to engineering science courses.
- Methods to establish or enforce static equilibrium in particles and rigid bodies.
- Centroids, centers of mass, and mass moments of inertia
- The mechanics of dry friction

[2] Course Learning Outcomes

- Components of a force and the resultant force
- Moment caused by a force acting on a rigid body
- Force and moment reactions at the supports and connections of a rigid body
- Centroid and center of gravity for an area and a rigid body
- Moment of inertia and radius of gyration of a composite area

[3] Class Delivery Method

- Text and slides
- Deliver the information with lectures
- Flipped learning

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	20 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	R.C. Hibbeler	Publisher	Pearson	Textbook	Mechanics for Engineers: Statics	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Chap. 1. Introduction to Mechanics: Fundamental Principles and Newtons Laws (E-Learning)
Second week	Chap 2. Force vectors (E-Learning)
Third week	Chap 2. Force vectors
Fourth week	Chap.3. Equilibrium of a particle
Fifth week	Chap.3. Equilibrium of a particle
Sixth week	Chap. 4. Force System Resultants
Seventh week	Chap. 4. Force System Resultants
Eighth week	Midterm
Ninth week	Chap. 5. Equilibrium of a rigid body
Tenth week	Chap. 5. Equilibrium of a rigid body
Eleventh week	Chap. 5. Equilibrium of a rigid body
Twelfth week	Chap. 6. Structural Analysis
Thirteenth week	Chap. 6. Structural Analysis
Fourteenth week	Chap. 6. Structural Analysis
Fifteenth week	Internal forces, Friction, Center of gravity and centroid
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ADVANCED ENGINEERING MATHEMATICS(2)	Course Number	EBA6003001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:화(5B-6),금(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course (Advanced Engineering Mathematics II) will cover the basic concepts of Fourier series and PDE(Partial Differential Equation). In order to achieve the main goals of this course work, the student have to know the fundamental concepts from the previous course (Advanced Engineering Mathematics I). After the end of 1st semester, the student will acquire the basic concepts of Fourier series and partial differential equations and know the various methods to figure out multiple types of mathematical formulations.

[2] Course Learning Outcomes

1. Understand the method of finding out the Fourier coefficients
2. Know the fundamental concepts of the Fourier analysis
2. Know how to solve the given differential equations with the two variables
3. Undertand the procedures to solve the partial differential equations

[3] Class Delivery Method

Lecture using PPT files and showing the relevant examples and problems based on the on-line (cyber.inu.ac.kr) through the whole period of semester

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	%	%	%	20 %	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	%	50 %	%	%	%	%	%

[4] Grading Policies

1. Understand the Fourier analysis and know the method to find out the Fourier coefficients
2. Construct the mathematical formulations with partial differential equations
3. Understand multiple methods to solve the various types of partial differential equations

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Wiley	Textbook	Advanced Engineering Mathematics, 10th edition	Issued year	2011 0101
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Fourier Analysis 11.1. Fourier Series : Relevant out source will be announced at cyber.inu.ac.kr
Second week	Fourier Analysis 11.2. Arbitrary Period : Relevant out source will be announced at cyber.inu.ac.kr
Third week	Fourier Analysis 11.2. Arbitrary Period. Even and Odd Functions
Fourth week	Fourier Analysis 11.2. Even and Odd Functions/Half-Range Expansions
Fifth week	Fourier Analysis 11.3. Forced Oscillations 11.4. Approximation by Trigonometric Polynomials
Sixth week	Fourier Analysis 11.4. Approximation by Trigonometric Polynomials 11.7. Fourier Integral
Seventh week	Fourier Analysis 11.7. Fourier Integral 11.8. Fourier Cosine and Sine Transforms
Eighth week	Fourier Analysis 11.8. Fourier Cosine and Sine Transforms 11.9. Fourier Transform
Ninth week	Fourier Analysis 11.8. Fourier Cosine and Sine Transforms 11.9. Fourier Transform
Tenth week	Partial Differential Equations (PDEs) 12.1. Basic Concepts of PDEs 12.2. Modeling: Vibrating String, Wave Equation
Eleventh week	Partial Differential Equations (PDEs) 12.3. Solution by Separating Variables - Use of Fourier Series
Twelfth week	Partial Differential Equations (PDEs) 12.4. D'Alembert's Solution of the Wave Equation. Characteristics
Thirteenth week	Partial Differential Equations (PDEs) 12.5. Modeling: Heat Flow from a Body in Space Heat Equation 12.6. Heat Equation: Solution by Fourier Series.
Fourteenth week	Partial Differential Equations (PDEs) 12.5. Modeling: Heat Flow from a Body in Space Heat Equation 12.6. Heat Equation: Solution by Fourier Series.
Fifteenth week	Partial Differential Equations (PDEs) 12.8. Modeling: Membrane Two-Dimensional Wave Equation 12.9. Rectangular Membrane. Double Fourier Series
Sixteenth week	Partial Differential Equations (PDEs) 12.8. Modeling: Membrane Two-Dimensional Wave Equation 12.9. Rectangular Membrane. Double Fourier Series

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	
	purpose			

The second assignment	procedure & notice		
	references		
The third assignment	assignment		submission date
	purpose		
	procedure & notice		
	references		

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MECHANICS OF MATERIALS 1	Course Number	0002803001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 한유성	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:화(8)(9),토(3)]
Office hours		lecture room	

[1] Outline / Purpose

The course explores fundamental principles of solid mechanics; displacement and strain measures, introduction to statics of solid bodies, equilibrium equations. Topics include structural analysis of columns, beams and shafts subject to the various types of loading

[2] Course Learning Outcomes

On successful completion of this course, a student will be able to (1) understand the concepts of stress, strain, and mechanical failure, and (2) apply the principles of equilibrium, constitutive laws, and compatibility of deformation for structural analysis.

[3] Class Delivery Method

The course will be delivered in offline lectures. Lecture notes will be given to students in advance. It is highly recommended that students read lecture notes and teaching materials ahead to be ready for the lectures. Important announcements will be made in class as well as through email. Students are encouraged to keep check their email not to miss any class announcements.

※ Note that class delivery method can be changed based on the Covid19 status.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher		Textbook		Issued year
(1)	Stephen H.Crandall, Norman C Dahl, Thomas J. Lardner, and Dr. M S Sivakumar	McGraw Hill		An Introduction to Mechanics of Solids (In SI Units) 3rd Edition (ISBN: 9781259072000)		
(2)	JAMES M. GERE, BARRY J. GOODNO	CL Engineering		MECHANICS OF MATERIALS,9th Edition (ISBN: 9781111136024)		
(3)						

[Reference books]

--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation: Course overview, evaluation, etc
Second week	– Vector cross product and moment calculation – Fundamental principles of mechanics I
Third week	Chapter overview : Mechanics of deformable bodies
Fourth week	Castiglianos theorem
Fifth week	Singularity function
Sixth week	Singularity function
Seventh week	Sign convention and statical analysis, Force and moments transmitted by slender members
Eighth week	Midterm exam
Ninth week	Stress and equilibrium equations
Tenth week	Mohrs circle for plane stress
Eleventh week	Deformation and Strain
Twelfth week	tensile test and material behaviors
Thirteenth week	Castiglianos theorem for uniaxial loading problem
Fourteenth week	Course review, Problem-solving session
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second	assignment		submission date	
	purpose			

assignment	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Dynamics2		Course Number	0009448001		
Major / School Year	Dept. of Mechatronics Engineering	/ 2	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 박기원	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI539:수(2)(3),토(4)]		
Office hours			lecture room			

[1] Outline / Purpose

Kinematics of absolute and relative motion of particles and rigid bodies. Kinetics of particles and particle systems. Principles of work and energy, impulse and momentum, and impact. Kinetics of rigid bodies in plane motion.

[2] Course Learning Outcomes

1. Describe and analyze the motion of a point mass
2. Develop and solve the equations of motion for a particle
3. Determine the kinetic and potential energy of a particle and use these to determine the motion
4. Find the momentum and impulse of a particle and describe the relation between them
5. Describe the planar kinematics of rigid bodies
6. Develop and solve the equations of motion for a 2D and 3D rigid body
7. Determine the kinetic energy and momentum for a rigid body in planar motion

[3] Class Delivery Method

1. Text and slides
2. Deliver the information with lectures

④ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

⑤ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	20 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

④ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Russell C. Hibbeler	Publisher	Pearson	Textbook	Engineering Mechanics: Dynamics	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Planar Kinematics of a rigid body (E-learning)
Second week	Planar Kinematics of a rigid body (E-Learning)
Third week	Planar Kinetics of a rigid body
Fourth week	Planar Kinetics of a rigid body
Fifth week	Planar Kinetics of a rigid body
Sixth week	Planar Kinetics of a rigid body: Work and Energy
Seventh week	Planar Kinetics of a rigid body: Conservation of energy
Eighth week	Midterm
Ninth week	Moving reference frame kinematics: 2D
Tenth week	Moving reference frame kinematics: 3D
Eleventh week	Planar kinetics of a rigid body
Twelfth week	3D kinematics of a rigid body
Thirteenth week	3D kinematics of a rigid body
Fourteenth week	Vibraation
Fifteenth week	Final exam review
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	THERMODYNAMICS 1		Course Number	0002804001		
Major / School Year	Dept. of Mechatronics Engineering	/ 2	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 차재민	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI539:월(8B-9),목(8B-9)]		
Office hours			lecture room			

[1] Outline / Purpose

본 과목은 공학도로서의 필수 소양인 열역학의 기본 개념에 대한 이해를 돕는다. 일과 열 및 에너지의 정의와 밀폐시스템의 열역학 1법칙 그리고 열역학적 물성치에 대해 배운다. 이어 개방 시스템의 열역학 1법칙 및 이용방법과 열역학 2법칙 및 엔트로피 그리고 이들을 시스템 해석에 응용하는 방법을 학습한다.

[2] Course Learning Outcomes

- 공학도로서 필수 소양인 열역학의 기본 개념을 이해
- 열역학 법칙들의 심도 깊은 이해 및 다양한 물리 현상 적용 능력 함양
- 에너지 개념 확립 및 물질의 열역학적 성질 변화에 따른 현상 이해

[3] Class Delivery Method

- 교재를 중심으로 슬라이드/판서를 겸하여 진행
- 모든 강의는 알기 쉬운 원어로 진행

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Yunus A. Cengel, Michael A Boles	Publisher	McGraw-Hill Education	Textbook	Thermodynamics: An Engineering Approach, 8th Edition	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	- 열역학의 기본개념 (1) - 열역학의 기본개념 (2)
Second week	- 열역학의 기본개념 (3): 열역학 제0법칙 - 에너지 전달 및 해석 (1)
Third week	- 에너지 전달 및 해석 (2) - 에너지 전달 및 해석 (3): 열역학 제1법칙
Fourth week	- Quiz 1 및 풀이
Fifth week	- 순수물질의 상태량 (1) - 순수물질의 상태량 (2)
Sixth week	- 순수물질의 상태량 (3) - 밀폐계의 에너지 해석 (1)
Seventh week	- 밀폐계의 에너지 해석 (2) - 밀폐계의 에너지 해석 (3)
Eighth week	- Midterm Exam 및 풀이
Ninth week	- 검사체적의 질량 및 에너지 해석 (1) - 검사체적의 질량 및 에너지 해석 (2)
Tenth week	- 검사체적의 질량 및 에너지 해석 (3) - 열역학 제2법칙 (1)
Eleventh week	- 열역학 제2법칙 (2) - 열역학 제2법칙 (3)
Twelfth week	- Quiz 2 및 풀이
Thirteenth week	- 엔트로피 (1) - 엔트로피 (2)
Fourteenth week	- 엔트로피 (3) - 엔트로피 (4)
Fifteenth week	- Final Exam 및 풀이
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Principles of Electrical Engineering	Course Number	0008731001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 정현두	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:월(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides basics and backgrounds for electric circuits. The first part of this course will cover basic theorems to analyze electric circuits under DC condition. Next, we will learn the circuit transient response for an abrupt changes. Finally, this course will cover circuit analysis techniques for sinusoidal signals through phasors.

Prerequisites: Calculus 1&2, Linear Algebra

[2] Course Learning Outcomes

1. Understand basic properties of passive circuit elements.
2. Understand how to analyze passive circuits under DC and AC conditions.
3. Understand how to analysis a transient response of passive circuits for abrupt changes.

[3] Class Delivery Method

This course will use lecture slides and blackboard for solving equations. Lecture slides will be provided via e-learning.

** Deficited classes caused by COVID 19 outbreak will be supplemented by online real-time lectures, watching online videos, assignments, and so on.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm: 30%

Final: 40%

Homework/Quiz: 10%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	J.David Irwin and R. Mark Nelms	Publisher	Wiley	Textbook	Engineering Circuit Analysis -12th ed-	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Nilsson and Riedel	Publisher	Pearson	Textbook	Electric Circuits	Issued year	
(2)	Author	R.C. Dorf and J. A. Svobada	Publisher	Wiley	Textbook	Introduction to electric circuits	Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	<p>Introduction</p> <ul style="list-style-type: none"> - Basic concepts - Properties of circuit elements <p>- Suggested reading: Ch 1</p>
Second week	<p>Resistive Circuits</p> <ul style="list-style-type: none"> - Ohm's law and Kirchhoff's law - Single-loop and single-node-pair circuits - Series and parallel resistor combinations - Circuits with dependent sources <p>- Suggested reading: Ch 2</p> <p>- HW #1</p>
Third week	<p>Network Theorems</p> <ul style="list-style-type: none"> - Nodal analysis and loop analysis - Equivalence and linearity <p>- Suggested reading: Ch 3</p>
Fourth week	<p>Network Theorems</p> <ul style="list-style-type: none"> - Superposition - Thevenin's and Norton's theorem - Maximum power transfer theorem <p>- Suggested reading: Ch 3</p> <p>- HW #2</p>
Fifth week	<p>Operational amplifiers</p> <ul style="list-style-type: none"> - OP-amp models - Fundamentals of OP-amp circuits <p>- Suggested reading: Ch. 4</p>
Sixth week	<p>Capacitance and Inductance</p> <ul style="list-style-type: none"> - Properties of capacitors - Properties of inductors <p>- Suggested reading: Ch. 5</p> <p>- HW #3</p>
Seventh week	<p>Capacitance and Inductance</p> <ul style="list-style-type: none"> - Capacitor and inductor combinations - Review <p>- Suggested reading: Ch. 5</p>
Eighth week	Midterm exam
Ninth week	<p>First- and Second order transient circuits</p> <ul style="list-style-type: none"> - First-order circuits <p>- Suggested reading: Ch. 6</p>
Tenth week	<p>First- and Second order transient circuits</p> <ul style="list-style-type: none"> - Second-order circuits <p>- Suggested reading: Ch. 6</p> <p>- HW #4</p>
Eleventh week	<p>Sinusoidal Steady-State Analysis</p> <ul style="list-style-type: none"> - Sinusoidal and complex forcing functions - Phasor relationships for circuit elements <p>- Suggested reading: Ch. 7</p>
Twelfth week	<p>Sinusoidal Steady-State Analysis</p> <ul style="list-style-type: none"> - Impedance and admittance - Basic analysis using Kirchhoff's laws <p>- Suggested reading: Ch. 7</p> <p>- HW #5</p>
Thirteenth week	<p>Steady-State Power Analysis</p> <ul style="list-style-type: none"> - Instantaneous power and average power - Maximum average power transfer - Power factor and power factor corrections <p>- Suggested reading: Ch. 8</p>
Fourteenth week	<p>The Laplace Transform</p> <ul style="list-style-type: none"> - Laplace transform pairs - Properties of the Laplace transform - Initial-value and final-value theorem - Solving differential equations using Laplace transforms <p>- Suggested reading: Ch. 12</p>
Fifteenth week	Final exam

Sixteenth week	
----------------	--

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Cell Biotechnology1	Course Number	0010443001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 차재민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ224:월(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

4차 산업혁명 시대를 맞아 전 세계적으로 바이오 분야가 시대를 이끄는 핵심 분야로 떠오르고 있는 가운데, 우리나라에서도 바이오 관련 산업을 3대 신산업으로 선정하고 집중 육성하고 있다. 현대의 바이오 산업 분야에 산재하고 있는 많은 문제들이 다양한 엔지니어링 기술의 지원을 받아 해결되고 있으며, 이미 바이오 분야에서 융합 전공의 엔지니어들이 의료현장의 많은 임상 연구자, 진료 전문 의사와 함께 의료 기술 발전에 큰 주축을 형성하고 있고 다양한 각도로 연구 협력을 진행하고 있으며, 이에 관련하여 수 많은 일자리가 창출되어 융합 전공 전문가 육성이 그 어느 때 보다 강조되고 있다.

본 세포생명공학1 과목은 공학도들의 바이오 분야에 대한 이해를 돕고 생명공학적 해석 능력을 함양하기 위해, 생명체의 기본단위인 세포의 기능 및 작용들을 포괄적으로 다룬다. 공학도의 관점에서 세포의 개념과 세포의 생명현상의 중심인 단백질을 이해하고, 이를 통해 세포의 다양한 거동을 학습한다.

[2] Course Learning Outcomes

- 공학을 전공하고 있는 엔지니어로서 전공적 시야를 넓히고 기존의 엔지니어링 틀을 넘어 다양한 관점에서 문제를 바라보고 창의적인 해결책을 찾을 수 있는 problem solver 인재 양성

- 향후 바이오메디컬 분야로의 진출을 희망하는 공학도를 위한 기초 전공지식 전달

- 공학도로서 바이오 산업 분야에서 업무를 수행하기 위해 기본적으로 필요한 세포 생물학 기초 학문 소양 함양

[3] Class Delivery Method

- 강의는 교재를 중심으로 슬라이드/판서를 겸하여 진행

- 온라인 강의는 동영상 및 실시간 화상 강의로 진행

- 모든 강의는 알기 쉬운 원어로 진행

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	10 %	0 %	0 %	0 %	0 %

@ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	0 %	70 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점

· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Bruce Alberts, Dennis Bray, Karen Hopkin, et. al.	W.W. Norton & Company	International Student Edition, Essential Cell Biology (5th)	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	– Introduction – Cells: The Fundamental Units of Life (1)
Second week	– Cells: The Fundamental Units of Life (2) – Cells: The Fundamental Units of Life (3)
Third week	– Chemical Components of Cells (1) – Chemical Components of Cells (2)
Fourth week	– Chemical Components of Cells (3) – Chemical Components of Cells (4)
Fifth week	– Protein Structures and Function (1) – Protein Structures and Function (2)
Sixth week	– Protein Structures and Function (3) – Protein Structures and Function (4)
Seventh week	– Protein Structures and Function (5) – Protein Structures and Function (6)
Eighth week	– Midterm Exam
Ninth week	– DNA and chromosomes (1) – DNA and chromosomes (2)
Tenth week	– DNA and chromosomes (3) – DNA and chromosomes (4)
Eleventh week	– DNA and chromosomes (5) – DNA and chromosomes (6)
Twelfth week	– Cytoskeleton (1) – Cytoskeleton (2)
Thirteenth week	– Cytoskeleton (3) – Cytoskeleton (4)
Fourteenth week	– Cytoskeleton (5) – Cytoskeleton (6)
Fifteenth week	– Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Automatic Control 1		Course Number	0009441001		
Major / School Year	Dept. of Mechatronics Engineering	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 박기원	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI539:월(4-5A),화(1-2A)]		
Office hours			lecture room			

[1] Outline / Purpose

Modelling and mathematical description of dynamic systems in the time and frequency domain:
Impulse response, step response, transfer function. Methods for stability analysis including the Nyquist criterion. Control strategies: PID controller

[2] Course Learning Outcomes

- define basic concepts in automatic control
- determine relations between models of linear dynamic systems in form of differential equations, state space models, transient responses, transfer functions and frequency responses
- interpret and apply graphical methods and tools like block diagrams, root locus, Bode and Nyquist diagrams
- understand the function of simple controllers (PID controllers)

[3] Class Delivery Method

1. Test and slides
2. Deliver the information with lectures

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
70 %	0 %	30 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Katsuhiko Ogata	Publisher	Pearson	Textbook	Modern Control Engineering	Issued year	2009
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to Control systems (E-Learning Chat)
Second week	Laplace transform (E-Learning Chat)
Third week	Laplace transform
Fourth week	Mathematical Modeling of dynamic system
Fifth week	Mathematical Modeling of dynamic system
Sixth week	Mathematical Modeling of dynamic system
Seventh week	Transient and Steady-State response analysis
Eighth week	Midterm
Ninth week	Matlab
Tenth week	Transient and Steady-State response analysis
Eleventh week	Transient and Steady-State response analysis
Twelfth week	Root-Locus Analysis and Design
Thirteenth week	Root-Locus Analysis and Design
Fourteenth week	Root-Locus Analysis and Design
Fifteenth week	Frequency response analysis
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	System Dynamics 2	Course Number	0009442001
Major / School Year	Dept. of Mechatronics Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ224:월(2B-3), 화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

From the previous course (System Dynamics 1), students will acquire the fundamental knowledge to analyze the dynamic behavior of systems based on the frequency response functions and the analysis of system stability. This will guide the student to understand the basic concepts of vibration and automatic control well.

[2] Course Learning Outcomes

1. Enhance the technique to derive the basic input-output equation
2. Know the fundamental concepts of solution methods for differential equations
3. Know how to develop a linear model based on the linearization of element and system model
4. Frequency and time response analysis

[3] Class Delivery Method

Lecture using PPT files and showing the relevant examples and problems based on the on-line (cyber.inu.ac.kr) through the whole period of semester

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	20 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
70 %	0 %	30 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

1. Understand the basic procedures to derive the input-output equation
2. Understand the solution methods using differential operator and transfer function methods
3. Understand the system responses based on frequency and time domain methods

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Charles M. Close, Dean K. Frederick	John Wiley & Sons	Modeling and analysis of dynamic systems	2001
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	1. Analytical Solution of Linear Models - The complete solution of differential equations - First-order systems : Relevant out source will be announced at cyber.inu.ac.kr
Second week	1. Analytical Solution of Linear Models - First-order systems - The step function and impulse : Relevant out source will be announced at cyber.inu.ac.kr
Third week	1. Analytical Solution of Linear Models - The step function and impulse - Second-order systems
Fourth week	1. Analytical Solution of Linear Models - Second-order systems - Systems of order three and higher
Fifth week	2. Solution Methods for Differential Equations - Classical operator method
Sixth week	2. Solution Methods for Differential Equations - Laplace transform method: Basic concepts of Laplace transform
Seventh week	2. Solution Methods for Differential Equations - Transfer function analysis
Eighth week	2. Solution Methods for Differential Equations - Transfer function analysis
Ninth week	3. Developing a Linear Model - Linearization of a element law
Tenth week	3. Developing a Linear Model - Linearization of a element law
Eleventh week	3. Developing a Linear Model - Linearization of a system model
Twelfth week	3. Developing a Linear Model - Linearization of a system model
Thirteenth week	4. Frequency and Time Responses - Frequency analysis using transfer function
Fourteenth week	4. Frequency and Time Responses - Frequency analysis using transfer function
Fifteenth week	4. Frequency and Time Responses - Frequency analysis and its stability
Sixteenth week	4. Frequency and Time Responses - Examination of time domain analysis

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	SIGNALS AND SYSTEMS		Course Number	EI06062001		
Major / School Year	Dept. of Mechatronics Engineering	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 정현두	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI539:수(6)(7),목(2)]		
Office hours			lecture room			

[1] Outline / Purpose

This course provides basics and backgrounds for signals and systems. The course will cover basic signals to represent periodic (and aperiodic) continuous-time signals and discrete-time systems, and it covers the linear-time invariant systems and its basic properties. Next, this course will cover frequency domain signal representation and system analysis methods using Fourier series, Fourier transform, Laplace transform, and Z-transform.

Prerequisites: Calculus 1&2

[2] Course Learning Outcomes

1. Learn how to represent periodic and aperiodic signals using mathematical representation
2. Understand basic properties of LTI systems and convolution
3. Understand how to analysis LTI systems using Fourier series/transform, Laplace transform, and Z-transform

[3] Class Delivery Method

This course will use lecture slides and blackboard for solving equations.
Lecture slides will be provided via e-learning.

** Deficited classes caused by COVID 19 outbreak will be supplemented by online real-time lectures, watching online videos, assignments, and so on.

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	60 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm: 30%

Final: 40%

Homework/Quiz: 10%

Attendance: 20%

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	A. V. Oppenheim and A. S. Willsky	Pearson	Signals and Systems	
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)	S. S. Soliman and M. D. Srinath	Pearson	Continuous and Discrete Signals and Systems	
(2)	S. Haykin and B. V. Veen	Wiley	Signals and Systems	
(3)				
(4)				
(5)				

[6] Weekly lesson plans

First week	Introduction – Continuous time & Discrete-time periodic signal – Basic signal representation – Suggested reading: Ch 1
Second week	Signals and Systems – Unit impulse and unit step function – Basic system properties – Suggested reading: Ch 1 – HW #1
Third week	Linear-time invariant system – Introduction to LTI systems – Discrete-time LTI systems and convolution sum – Suggested reading: Ch 2
Fourth week	Linear-time invariant system – Continuous-time LTI systems and convolution integral – Property of LTI systems – Suggested reading: Ch 2 – HW #2 and Quiz #1
Fifth week	Orthogonal signal representation and Fourier series – Orthogonal and orthonormal – Signal representation using orthogonal signals – Background for Fourier series – Suggested reading: subtext Ch. 3.2
Sixth week	Fourier series representation of continuous-time periodic signals – Response of LTI systems to complex exponential functions – Basic properties of continuous-time Fourier series – Suggested reading: Ch. 3 – HW #3
Seventh week	Fourier series representation of discrete-time periodic signals – Basic properties of discrete-time Fourier series – Suggested reading: Ch. 3
Eighth week	Midterm
Ninth week	Continuous-time Fourier transform – Fourier-transform for aperiodic signals – Basic properties of Fourier transform – Suggested reading: Ch. 4
Tenth week	Continuous-time Fourier transform and discrete-time Fourier transform – System analysis using CTFT – Sampling theorem – Introduction to DTFT – Suggested reading: Ch. 4 – HW #10
Eleventh week	Discrete-time Fourier transform and sampling theorem – Basic properties of DTFT – System analysis using DTFT – Suggested reading: Ch. 5 and Ch. 7 – Quiz #2
Twelfth week	Laplace transform – Introduction to Laplace transform – Basic properties of Laplace transform – Suggested reading: Ch. 9
Thirteenth week	Laplace transform & Introduction to Z-transform – System analysis using Laplace transform – Introduction to Z-transform – Suggested reading: Ch. 9 – HW #5
Fourteenth week	Z-Transform – Basic properties of Z-transform – System analysis using Z-transform – Suggested reading: Ch. 10
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTRODUCTION TO SEMICONDUCTOR DEVICES AND ENGINEERING	Course Number	0006696001
Major / School Year	Dept. of Electrical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI438:금(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

Introduction to Semiconductors.
Understand semiconductor function.
Learn how to optimize semiconductor performance.
Understand why silicon is the most commonly used semiconductor material.

[2] Course Learning Outcomes

Semiconductor have always been aligned closely with other electronic devices. The following cover the basic aspects of semiconductor materials and the physical mechanisms which are at the center of electronic devices. These physical mechanisms are used to explain the operation of a p-n junction, which forms the basis not only for the great majority of solar cells, but also most other electronic devices such as lasers and bipolar junction transistors.

[3] Class Delivery Method

Theory teaching.
Have a discussion.
Training.
Questions and answers.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Exam.
Learning attitude.
Announcement.
Homework.
Attendance.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction to Semiconductors Understand semiconductor function
Second week	Semiconductor Materials Semiconductor Structure Conduction in Semiconductors
Third week	Band Gap Intrinsic Carrier Concentration Doping Equilibrium Carrier Concentration
Fourth week	Generation Generation Rate Recombination Types of Recombination Lifetime
Fifth week	Carrier Transport Movement of Carriers in Semiconductors Diffusion Drift
Sixth week	P-n Junctions Formation of a PN-Junction
Seventh week	P-N Junction Diodes Bias of PN Junctions
Eighth week	Mid-exam
Ninth week	Diode Equations Ideal Diode Equation Derivation Basic Equations
Tenth week	Applying the Basic Equations to a PN Junction Solving for Depletion Region Solving for Quasi Neutral Regions
Eleventh week	Learn how to optimize semiconductor performance Understand why silicon is the most commonly used semiconductor material
Twelfth week	Semiconductor 8 Process Wafer process Oxidation process Photo lithography process Etching process
Thirteenth week	Deposition process Metallization process EDS process Packaging process
Fourteenth week	PV cell Solar Cell Operation Ideal Solar Cells Solar Cell Structure Light Generated Current Collection Probability Quantum Efficiency Spectral Response The Photovoltaic Effect
Fifteenth week	Other electronic devices using semiconductors Future semiconductor
Sixteenth week	Fin-exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Physics of Electrical Engineering	Course Number	0004216001
Major / School Year	Dept. of Electrical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 김준동	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI438:월(7-8A), 화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

In almost every case, the work of engineers finds application through materials. For example, developments in the understanding of the structure of materials and the engineering of their properties directly led to solid state devices, Moore's Law scaling of transistors, and the resulting revolutionary growth in all aspects of electrical engineering.

[2] Course Learning Outcomes

The future of Electrical Engineering itself is squarely dependent upon the ability to understand, exploit and apply ever-new electronic, photonic and magnetic properties of materials and with the advent of "nanotechnology" the richness of new properties and the impact of materials on electrical engineers has, arguably, never been more significant. With a greater understanding of materials, electrical engineers are already leaders in the most pressing societal issues, from renewable energy and environmental sustainability to ultra-portable communication and biocompatible medical devices. The primary purpose of this course is to provide an introduction to the interrelation of the structure, properties and processing of materials, with an emphasis on the first two. While the course covers a broad range of materials and properties, special treatment is given to those of particular interest for electrical engineers.

[3] Class Delivery Method

Lectures and discussions

This class (Physics of Electrical Engineering-class A, 전기물성-A 반) is a twin class of (Physics of Electrical Engineering-class B, 전기물성-B 반)

Two lecturers (Prof. Joondong Kim and Prof. Malkeshkumar Patel) are accompanied in these classes (Physics of Electrical Engineering-class A/B, 전기물성-A 반/B반)

The grading policy is exact same of Class A to Class B.

㉔ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	%	20 %	%	10 %	%	%	%

㉕ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	50 %	%	%	%	%	%	20 %

[4] Grading Policies

㉔ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Pierret	Publisher	Textbook	Semiconductor Device Fundamentals	Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year

[Reference books]

(1)	Author		Publisher	Textbook	To be assigned	Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year
(4)	Author		Publisher	Textbook		Issued year
(5)	Author		Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course introduction; materials in electrical engineering
Second week	Atomic structure, bonding, single/poly-crystals, amorphous
Third week	Crystal structure; atomic density and packing
Fourth week	Crystallographic, directions, density, planes
Fifth week	Crystal planes, examples of semiconductor crystals; defects
Sixth week	Metal-semiconductor properties
Seventh week	Phase diagrams; binary systems; lever rule
Eighth week	Introduction to quantum mechanics; wave-particle duality;
Ninth week	Effective mass, intrinsic and extrinsic semiconductors
Tenth week	Midterm exam
Eleventh week	Electrons and holes, density of states, Fermi level, occupancy Probabilities
Twelfth week	Semiconductors
Thirteenth week	Metal and Schottky devices
Fourteenth week	Photoelectric devices
Fifteenth week	Nanotechnology and Energy devices
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Physics of Electrical Engineering	Course Number	0004216002
Major / School Year	Dept. of Electrical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI438:월(8B-9), 화(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

In almost every case, the work of engineers finds application through materials. For example, developments in the understanding of the structure of materials and the engineering of their properties directly led to solid state devices, Moore's Law scaling of transistors, and the resulting revolutionary growth in all aspects of electrical engineering.

[2] Course Learning Outcomes

The future of Electrical Engineering itself is squarely dependent upon the ability to understand, exploit and apply ever-new electronic, photonic and magnetic properties of materials and with the advent of "nanotechnology" the richness of new properties and the impact of materials on electrical engineers has, arguably, never been more significant. With a greater understanding of materials, electrical engineers are already leaders in the most pressing societal issues

[3] Class Delivery Method

Lectures and discussions

This class (Physics of Electrical Engineering-class B, 전기물성-B 반) is a twin class of (Physics of Electrical Engineering-class A, 전기물성-A 반)

Two lecturers (Prof. Joondong Kim and Prof. Malkeshkumar Patel) are accompanied in these classes (Physics of Electrical Engineering-class A/B, 전기물성-A 반/B반)

The grading policy is exact same of Class A to Class B.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	20 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	50 %	0 %	0 %	0 %	0 %	0 %	20 %

[4] Grading Policies

Attendance grades : Perfect score 20 (Article 56 (2) of the Bylaws for Enforcement) General subject(3 credits) 1/3 point deduction for 1-hour absence 1 point deduction for a three-hour absence

Students who miss 1/3 or more of the actual class hours and cheating are not eligible for credits despite the test scores (Article 56 (3))

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Pierret	Publisher	Textbook	Semiconductor Device Fundamentals	Issued year
(2)	Author	S. O. Kasap	Publisher	Textbook	Principles of Electronic Materials and Devices	Issued year
(3)	Author		Publisher	Textbook		Issued year
(4)	Author		Publisher	Textbook		Issued year
(5)	Author		Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course introduction; materials in electrical engineering
Second week	Atomic structure, bonding, single/poly-crystals, amorphous
Third week	Crystal structure; atomic density and packing
Fourth week	Crystallographic, directions, density, planes
Fifth week	Crystal planes, examples of semiconductor crystals; defects
Sixth week	Metal-semiconductor properties
Seventh week	Phase diagrams; binary systems; lever rule
Eighth week	Introduction to quantum mechanics; wave-particle duality;
Ninth week	Effective mass, intrinsic and extrinsic semiconductors Midterm exam
Tenth week	Midterm exam
Eleventh week	Electrons and holes, density of states, Fermi level, occupancy Probabilities
Twelfth week	Semiconductors
Thirteenth week	Metal and Schottky devices
Fourteenth week	Photoelectric devices
Fifteenth week	Nanotechnology and Energy devices
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to smart systems	Course Number	0007805001
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 정은교	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI321:화(7)] [SI326:금(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces basic design principles of smart systems. Students learn how to design and implement smart systems for IoT services using Arduino as a platform.

[2] Course Learning Outcomes

1. Understand smart systems
2. Learn design principles
3. Build a prototype using Arduino

[3] Class Delivery Method

Lecture, presentation, discussion

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	20 %	0 %	40 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	0 %	0 %	40 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Lab 1
Third week	Lab 2
Fourth week	Lab 3
Fifth week	Lab 4
Sixth week	Lab 5
Seventh week	Lab 6
Eighth week	Mid-term
Ninth week	Lab 7
Tenth week	Lab 8
Eleventh week	Lab 9
Twelfth week	Lab 10
Thirteenth week	Lab 11
Fourteenth week	Lab 12
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to smart systems	Course Number	0007805004
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 나태희	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI325:월(0+3),목(0+1)(0+2)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces basic design principles of smart systems. Students learn how to design and implement smart systems for IoT services using Arduino as a platform. In particular, students will deal with a total of 35 sensors and modules in this course.

[2] Course Learning Outcomes

1. Understand smart systems
2. Learn design principles
3. Build a prototype using Arduino

[3] Class Delivery Method

Lecture, presentation, discussion

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	0 %	30 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	0 %	0 %	40 %	0 %

[4] Grading Policies

Exam 50% (Midterm Exam(Project Plan Report) 10%, Final Exam(Project) 30%, Paper Presentation 10%), Attendance 20%, Assignment 30% (Weekly Assignments 20%, Assignment Presentation 10%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Jeremy Blum	Hanbit Academy	Exploring Arduino	2018
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	- Introduction - Lab1
Second week	- Lab2
Third week	- Lab3
Fourth week	- Lab4
Fifth week	- Lab5
Sixth week	- Lab6
Seventh week	- Lab7
Eighth week	- Midterm Exam
Ninth week	- Lab8
Tenth week	- Lab9
Eleventh week	- Lab10
Twelfth week	- Lab11
Thirteenth week	- Lab12
Fourteenth week	- Lab13
Fifteenth week	- Final Exam
Sixteenth week	- Make-up Class if necessary

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to smart systems	Course Number	0007805003
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 나태희	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI325:월(8),목(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces basic design principles of smart systems. Students learn how to design and implement smart systems for IoT services using Arduino as a platform. In particular, students will deal with a total of 35 sensors and modules in this course.

[2] Course Learning Outcomes

1. Understand smart systems
2. Learn design principles
3. Build a prototype using Arduino

[3] Class Delivery Method

Lecture, presentation, discussion

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	0 %	30 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	0 %	0 %	40 %	0 %

[4] Grading Policies

Exam 50% (Midterm Exam(Project Plan Report) 10%, Final Exam(Project) 30%, Paper Presentation 10%), Attendance 20%, Assignment 30% (Weekly Assignments 20%, Assignment Presentation 10%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Jeremy Blum	Hanbit Academy	Exploring Arduino	2018
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	- Introduction - Lab1
Second week	- Lab2
Third week	- Lab3
Fourth week	- Lab4
Fifth week	- Lab5
Sixth week	- Lab6
Seventh week	- Lab7
Eighth week	- Midterm Exam
Ninth week	- Lab8
Tenth week	- Lab9
Eleventh week	- Lab10
Twelfth week	- Lab11
Thirteenth week	- Lab12
Fourteenth week	- Lab13
Fifteenth week	- Final Exam
Sixteenth week	- Make-up Class if necessary

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to smart systems	Course Number	0007805002
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 정은교	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI326:금(5)(6)] [SI433:수(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces basic design principles of smart systems. Students learn how to design and implement smart systems for IoT services using Arduino as a platform.

[2] Course Learning Outcomes

1. Understand smart systems
2. Learn design principles
3. Build a prototype using Arduino

[3] Class Delivery Method

Lecture, presentation, discussion

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	20 %	0 %	40 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	0 %	0 %	40 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Lab 1
Third week	Lab 2
Fourth week	Lab 3
Fifth week	Lab 4
Sixth week	Lab 5
Seventh week	Lab 6
Eighth week	Mid-term
Ninth week	Lab 7
Tenth week	Lab 8
Eleventh week	Lab 9
Twelfth week	Lab 10
Thirteenth week	Lab 11
Fourteenth week	Lab 12
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	SEMICONDUCTOR DEVICES	Course Number	EPC6016001
Major / School Year	Dept. of Electronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 정은교	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI321:수(5B-6),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended to provide fundamental knowledge to understand operation principles of semiconductor devices. This course is suitable for undergraduate juniors majoring in Electronics Engineering. Topics include pn junction diodes, Schottky diodes, MOS capacitors, MOSFETs, BJTs, and solar cells.

[2] Course Learning Outcomes

Students who successfully complete this course will be expected to achieve the following:

- an understanding of operation principles of semiconductor devices,
- an understanding of nonidealities of semiconductor devices.

[3] Class Delivery Method

Lecture every week. Details will be announced.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Donald A. Neamen		Semiconductor physics & devices	Issued year
(2)	Ben G. Streetman		Solid state electronic device	Issued year
(3)				Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				Issued year
(2)				Issued year
(3)				Issued year
(4)				Issued year
(5)				Issued year

[Other books]

[6] Weekly lesson plans

First week	Review of semiconductor theory
Second week	pn junction diode
Third week	Schottky diode
Fourth week	Metal-semiconductor ohmic contact
Fifth week	MOS fundamentals
Sixth week	MOS C-V
Seventh week	MOS nonidealities
Eighth week	Midterm exam
Ninth week	MOSFET fundamentals
Tenth week	MOSFET I-V
Eleventh week	MOSFET nonidealities
Twelfth week	Modern MOSFET
Thirteenth week	Bipolar transistor
Fourteenth week	Solar cell
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	VLSI Design	Course Number	0010903001
Major / School Year	Dept. of Electronics Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 나태희	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI325:화(2)(3),금(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

VLSI circuit (CMOS integrated circuit) is an electronic device that integrates a large number of electronic components on a small semiconductor chip. This course will focus on integrated circuit design using transistors and gates.

[2] Course Learning Outcomes

After this course, the students can

- (i) describe about embedded system and integrated circuit.
- (ii) describe what is CMOS logic (inverter, NAND, NOR, multiplexer, sequential circuit).
- (iii) describe how can the speed and power of integrated circuits be optimized.
- (iv) deal with the development tools such as vi editor and various simulators (Virtuoso Schematic Editor, Hspice, Spectre, Custom waveview, etc.).
- (v) organize a cross functional team to execute a project by defining and performing the role of each member.
- (vi) use the communication tools in meetings, and properly present the results of the project.

[3] Class Delivery Method

First, lectures will be provided for building up the theoretical background including the modeling of integrated circuits and systems, and some details of techniques for designing integrated circuits. Also, the students will learn how to deal with various tools to design, simulate, and verify integrated circuits in lectures.

Following that, the students will experience industrial-strength design practices through a complete set of step-by-step labs.

Ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %

Ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	0 %	0 %	0 %	0 %	90 %	0 %

[4] Grading Policies

Midterm Exam 25%, Labs 20%, Quiz 10%, Term Project 25%, Attendance 20%

Ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Neil H. E. Weste	Publisher	Pearson	Textbook	Integrated Circuit Design, Fourth Edition	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	- Lecture1 (Introduction to this Course) - Lab1
Second week	- Lecture2 (Introduction to Integrated Circuit) - Lab2
Third week	- Lecture3 (Circuits & Layout) - Lab3
Fourth week	- Lecture4 (MIPS Processor Example) - Lab4
Fifth week	- Lecture5 (CMOS Transistor Theory) - Lab5
Sixth week	- Lecture6 (Nonideal Transistor Theory) - Lab6
Seventh week	- Lecture7 (DC & Transient Response) - Lab7
Eighth week	- Midterm Exam
Ninth week	- Lecture8 (Logical Effort) - Lab8
Tenth week	- Lecture9 (Power) - Lab9
Eleventh week	- Lecture10 (Combinational Circuit Design) - Lab10
Twelfth week	- Lecture11 (Circuit Families) - Lab11
Thirteenth week	- Lecture12 (Sequential Circuit Design) - Lab12
Fourteenth week	- Lecture13 (Adders) - Lab13
Fifteenth week	- Term Project: Presentation
Sixteenth week	- Make-up Class if necessary

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	SOLID STATE ELECTRONIC DEVICE	Course Number	EPC6069001
Major / School Year	Dept. of Electronics Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 진성훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI321:월(2B-3)] [SI419:수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

- (1) Deep submicron CMOS의 동작 원리 및 아날로그, 디지털, RF 성능 지수에 대한 기본 지식 함양.
- (2) Deep submicron CMOS의 SPICE 변수 추출.

[2] Course Learning Outcomes

- (1) CMOS 소자의 동작 원리 이해를 기반으로 CMOS 소자의 분석 기술 확보
- (2) SPICE 모델을 통한 소자의 특성 변수 도출 방법론 확보
- (3) Deep submicron CMOS소자의 설계 능력 배양

[3] Class Delivery Method

- (1) b-learning 진행

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	40 %	0 %	40 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Yuan Taur	Publisher	Cambridge university	Textbook	Fundamental of modern VLSI devices	Issued year	1998
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Y. P. Tisivids	Publisher	McGrawHill	Textbook	Operation and modeling of the CMOS transistor	Issued year	1987
(2)	Author <td>C.Y. Chang <td>Publisher <td>John wiley & son, inc.</td> <td>Textbook <td>ULSI device <td>Issued year</td> <td>2000</td> </td></td></td></td>	C.Y. Chang <td>Publisher <td>John wiley & son, inc.</td> <td>Textbook <td>ULSI device <td>Issued year</td> <td>2000</td> </td></td></td>	Publisher <td>John wiley & son, inc.</td> <td>Textbook <td>ULSI device <td>Issued year</td> <td>2000</td> </td></td>	John wiley & son, inc.	Textbook <td>ULSI device <td>Issued year</td> <td>2000</td> </td>	ULSI device <td>Issued year</td> <td>2000</td>	Issued year	2000
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	-강의 소개 (zoom 기반 실시간-1시간) -Introduction of modern VLSI technology (zoom 기반 1 hour, 오프라인 대면-1시간)
Second week	Electrons and holes in silicon (zoom 기반 실시간 2시간, 오프라인 대면-1시간)
Third week	P-N junction (zoom 기반 실시간 2시간, 오프라인 대면-1시간)
Fourth week	MOS capacitors (zoom 기반 실시간 2시간, 오프라인 대면-1시간)
Fifth week	High field effects (zoom 기반 실시간 2시간, 오프라인 대면-1시간)
Sixth week	Long channel MOSFETs (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Seventh week	MOSFET channel mobility (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Eighth week	Short channel MOSFETs (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Ninth week	중간고사 (대면 시험)
Tenth week	세미나 발표 (zoom 기반 실시간 2시간, 오프라인 대면-1시간-Q&A)
Eleventh week	Source- drain resistances (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Twelfth week	MOSFET scaling (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Thirteenth week	Threshold voltages (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Fourteenth week	Device performances (오프라인 대면-2시간, zoom 기반 실시간-1시간)
Fifteenth week	기말고사 (대면 시험)
Sixteenth week	

[7] Assignments

The first assignment	assignment	MOS C-V characteristics	submission date	2022-05-09 Mon
	purpose	MOS capacitor understanding		
	procedure & notice			
	references			
The second assignment	assignment	MOSFET I-V characteristics	submission date	2022-06-13 Mon
	purpose	MOSFET understanding		
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	RELIABILITY ENGINEERING	Course Number	EQB6024001
Major / School Year	Dept. of Safety Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 김태완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI338:목(1-2A)] [ZZ200:토(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

Reliability Engineering aims at calculating the life distribution of components and systems, and the success probability of systems at given time and time window. This course introduces methods to quantify the system reliability with stochastic and statistical bases. In addition, the relationship between reliability and safety/risk of systems is addressed comprehensively.

[2] Course Learning Outcomes

- To understand reliability concepts
- To identify important factors in estimating reliability
- To understand ways to improve reliability

[3] Class Delivery Method

Mainly lecture-based teaching.
MATLAB will be used during the lectures occasionally

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	50 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Lecture Material	Issued year	
(2)	Paul A. Tobias, David Trindade	Publisher	CRC Press	Textbook	Applied Reliability	Issued year 2011 0826
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	신뢰성공학	Issued year
(2)	서순근 외	교보문고	Textbook		2015 0803
(3)	제무성	시그마프레스	Textbook	계통신뢰도 공학	Issued year 2014 0310
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction (Online)
Second week	Reliability Concepts (Online)
Third week	Basic Statistics (I)
Fourth week	Basic Statistics (II)
Fifth week	Basic Statistics (III)
Sixth week	Reliability Function
Seventh week	Failure Mode and Effects Analysis
Eighth week	Midterm Exam
Ninth week	Fault Tree Analysis (I)
Tenth week	Fault Tree Analysis (II)
Eleventh week	Event Tree Analysis (I)
Twelfth week	Event Tree Analysis (II)
Thirteenth week	Maintainability and Availability
Fourteenth week	Reliability Test
Fifteenth week	Final Exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	THERMODYNAMICS		Course Number	EQB6029001		
Major / School Year	Dept. of Safety Engineering / 2		completion division / Grade evaluation	/		
Department/Professor	Dept. of Safety Engineering / 이민철		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number	0328358295		A weekday / class / lecture room	[SI534:월(5B-6),수(5B-6)]		
Office hours	Tue. 16:00~17:30					

[1] Outline / Purpose

This course is an undergraduate course that is able to understand the energy flow in the natural world including heat and work and heat phenomenon, and it is a basic dynamics course closely related to fields of energy, chemical, combustion, heat transfer, fire, fire protection and etc.

In this lecture, students will understand the concepts of temperature, pressure, state, closed system, open system, isolated system, internal energy, enthalpy and entropy. This lecture is also aiming to raise the capability to solve the thermodynamic problem of closed system and open system, and to perform the analysis of a simple cycle by applying mass conservation law and first, second and third thermodynamic laws.

[2] Course Learning Outcomes

To understand the concept of thermodynamic properties and laws, and their applications.

To build up the ability for calculating each thermodynamic status (pressure, temperature, enthalpy, entropy and etc.) of various thermodynamic cycle.

[3] Class Delivery Method

Most lecture will be given in the class room by utilizing PPT files which will be uploaded in e-learning website.

To increase understanding and to enhance interest, educational movies and calculation programs will also be utilized.

This lecture will be given in the blended methods of on-line and off-line classes (so call Filled learning).

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	0 %	0 %	0 %	0 %	20 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	80 %	20 %

[4] Grading Policies

Exam : 60%

Attendance : 20%

Assignment : 20%

Other score rating directions regarding early leaving, lateness and etc. will be followed by rules and codes of University.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Yunus A. Cengel, Michael A. Boles	McGraw-Hill	Thermodynamics: An Engineering Approach (8th Edition in SI Units)	2015
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)	William Z. Black and James G. Hartley	HarperCollins Publishers Inc.	Thermodynamics 3rd ed.	1996
(2)				
(3)				
(4)				
(5)				

[6] Weekly lesson plans

First week	Lecture Outline, Introduction to Thermodynamics
Second week	History of Thermodynamics Concepts of Thermodynamics (1)
Third week	Concepts of Thermodynamics (2)
Fourth week	Energy, Energy Transfer and Energy Analysis (1)
Fifth week	Energy, Energy Transfer and Energy Analysis (2)
Sixth week	Properties of Pure Substances (1)
Seventh week	Properties of Pure Substances (2) Flipped learning
Eighth week	Midterm Exam (Midterm Exam can be substituted by home assignments)
Ninth week	Energy Analysis in Closed System (1)
Tenth week	Energy Analysis in Closed System (2)
Eleventh week	Mass and Energy Analysis in Control Volume (1)
Twelfth week	Mass and Energy Analysis in Control Volume (2)
Thirteenth week	2nd Law of Thermodynamics (1)
Fourteenth week	2nd Law of Thermodynamics (2) Flipped learning
Fifteenth week	Final Exam
Sixteenth week	Lecture Feedback and Evaluation

[7] Assignments

The first assignment	assignment	Excercise and Problems of Chap. 1~6	submission date	2018-06-30 Sat
	purpose	To understand fundamental thermodynamics theory		
	procedure & notice	Submit the solution of the given problems.		
	references	Main text book		
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	FIRE PREVENTION ENGINEERING	Course Number	EQB6013001
Major / School Year	Dept. of Safety Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 이민철	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358295	A weekday / class /	[SI534:화(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

- This lecture provides fundamental engineering knowledge of fire protection as a basic tool of engineering and science to help protect people, property, and operations from fire and explosions.
- The primary goal of this lecture is to build up students' ability and to extend knowledge to be a fire protection engineering professional.

[2] Course Learning Outcomes

- To understand fundamental concept and theory of fire protection engineering which includes fire science, fire prevention, combustion characteristics, terminology, fire phenomena, fire countermeasure, fire extinguishing agent, and fire protection systems.
- To help student who prepares national qualification exam related to fire protection engineering.

[3] Class Delivery Method

- PPT presentations with visible and audible media are the primary tools for this lecture.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	5 %	%	%	%	%	%	15 %

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
5 %	%	%	%	%	%	90 %	5 %

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Lon H. Ferguson and Christopher A. Janicak	Rowman & Littlefield Pub Inc	Fundamentals of Fire Protection for the Safety Professional	2015 0427
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
	이해평 외	동화기술	최신방화공학	2009 0705
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Lecture Outline, Introduction to Fire Protection Engineering
Second week	Basics of Fire Science
Third week	Combustion Characteristics
Fourth week	Combustion Related Terminology
Fifth week	Combustion Product
Sixth week	Fire Phenomena (1)
Seventh week	Fire Phenomena (2)
Eighth week	Midterm Exam (Midterm Exam can be substituted by home assignments)
Ninth week	Dangerous Substance (1)
Tenth week	Dangerous Substance (2)
Eleventh week	Fire Extinguishing Agent (1)
Twelfth week	Fire Extinguishing Agent (2)
Thirteenth week	Fire Protection System (1)
Fourteenth week	Fire Protection System (2)
Fifteenth week	Evacuation Plan
Sixteenth week	기말고사 및 강의평가

[7] Assignments

The first assignment	assignment	Investigation into the Korean Law of Fire Protection	submission date	2018-06-30 Sat
	purpose	To understand the Korean Law of Fire Protection		
	procedure & notice	Upload the report file by file format of DOC. or HWP.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Energy Safety Engineering	Course Number	0006739001
Major / School Year	Dept. of Safety Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 김태완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI338:화(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

Energy transfer is a physical phenomenon applied in many industrial application. Especially, this gives a great impact to the progress and propagation of accidents. Thus, it is very important in the evaluation of system safety to understand the energy transfer and to analyze/evaluate system behaviors based on that. This course explains the energy transfer physically and discusses its applications for safety evaluation by using examples from many industrial systems.

[2] Course Learning Outcomes

- To understand the fundamentals of heat transfer
- To analyze the heat transfer in industrial applications and safety systems

[3] Class Delivery Method

Lecture-based Teaching

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	F.P.Incropera	Publisher	Wiley	Textbook	Introduction to Heat Transfer	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	교한서 등 공역	Publisher	교보문고	Textbook	열전달	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Definitions and physical properties
Third week	Fundamental concepts of conduction
Fourth week	One-dimensional steady-state conduction
Fifth week	Transient conduction
Sixth week	Basics of fluid mechanics (I)
Seventh week	Basics of fluid mechanics (II)
Eighth week	Midterm Exam
Ninth week	Fundamental concepts of convection
Tenth week	External forced convection
Eleventh week	Internal forced convection
Twelfth week	Natural circulation
Thirteenth week	Boiling and condensation
Fourteenth week	Heat exchanger
Fifteenth week	Final exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Disaster Risk Evaluation	Course Number	0006098001
Major / School Year	Dept. of Safety Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 김태완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI338:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The root cause of many large-scale disasters was the failure of man-made equipments/systems. This indicates that the disasters could be prevented if the risk factors were identified and warned. Thus it is obviously important to establish a system in which the risk factors are identified in advance and the person-in-charge gets alarmed for the identified risk factors. At first, this course explains the risk characteristics and the safety concepts of various industries. Then the characteristics of human behavior are introduced as one of the most important risk factors and the way to minimize the human-induced failure is discussed.

[2] Course Learning Outcomes

- To understand risk characteristics and safety concepts in various industries
- To understand the characteristics of human behavior
- to understand how to minimize the human-induced failure

[3] Class Delivery Method

Lecture-based course

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Lecture Materials	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Disasters by human being
Third week	Accident occurrence theory
Fourth week	Methods for safety improvement
Fifth week	Risk characteristics and safety concepts (I)
Sixth week	Risk characteristics and safety concepts (II)
Seventh week	Risk characteristics and safety concepts (III)
Eighth week	Midterm Exam
Ninth week	Characteristics and limitation of human being
Tenth week	Human Error
Eleventh week	Safety culture
Twelfth week	Risk estimation and priority
Thirteenth week	Risk decision
Fourteenth week	Risk assessment
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Mathematics for Materials Science and Engineering	Course Number	0010449001
Major / School Year	Dept. of Materials Science and Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 강영호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI503:화(2B-3),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

In this class, we will learn mathematical techniques for studying materials science and engineering. Several topics such as ordinary and partial differential equations, Laplace transform, Fourier analysis, and vector calculus will be covered.

[2] Course Learning Outcomes

Understanding of mathematical techniques for studying materials science and engineering.

[3] Class Delivery Method

- Power point slides and the writing board are used.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dennis G. Zill (Translated by Kang Bo Sun)	Publisher	Textbooks	Textbook	ADVANCED ENGINEERING MATHEMATICS	Issued year	2009
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course overview
Second week	Matrix
Third week	Vector calculus 1
Fourth week	Vector calculus 2
Fifth week	Vector calculus 3
Sixth week	Vector calculus 4
Seventh week	Vector calculus 5
Eighth week	Midterm
Ninth week	Differential equations 1
Tenth week	Differential equations 2
Eleventh week	Differential equations 3
Twelfth week	Differential equations 4
Thirteenth week	Fourier series
Fourteenth week	Fourier transformation
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Numerical analysis for materials science	Course Number	0010912001
Major / School Year	Dept. of Materials Science and Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 강영호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI383:수(5B-6),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course aims to learn how to solve engineering problems using a computer.

[2] Course Learning Outcomes

- Learning how to use MATLAB
- Algorithms to solve math problems related to engineering

[3] Class Delivery Method

- Power point and demonstration

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Steven Chapra	Publisher	Textbook	Class materials: Applied Numerical Methods with MATLAB for Engineers and Scientists (4th edition)	Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year
(4)	Author		Publisher	Textbook		Issued year
(5)	Author		Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview
Second week	Matlab Fundamentals
Third week	Solving root and optimization problems 1
Fourth week	Solving sets of linear equations 1
Fifth week	Solving sets of linear equations 2
Sixth week	Regression methods 1
Seventh week	Regression methods 2
Eighth week	Midterm
Ninth week	Numerical integration
Tenth week	Numerical differentiation
Eleventh week	Numerical solution to differential equation 1
Twelfth week	Numerical solution to differential equation 2
Thirteenth week	Eigenvalue problem
Fourteenth week	Applications
Fifteenth week	Finals
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Materials Thermodynamics	Course Number	0009475001
Major / School Year	Dept. of Materials Science and Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 명재하	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI385:화(7-8A),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

The fundamental topics including the importance and applicability of thermodynamics in Materials Science, classical thermodynamics and basic statistical thermodynamics, essentials of free energy, equilibrium/non-equilibrium state of materials and their stability, phase transformation and chemical reaction, also construction of phase diagrams and thermodynamic approaching methods of real materials systems will be deeply treated in this course.

[2] Course Learning Outcomes

Understanding basic theories of thermodynamics for diverse phenomena, also phase equilibria and phase diagram

[3] Class Delivery Method

lecture, group project

- 신소재공학과에서는 학과교수회의에서 수강인원 조정으로 교육의 질 개선 교육의 질 개선, 코로나 등에 따른 대면수업으로 인한 인원 제한, 학년별 성적 불균형 해소, 졸업예정자 교과목 폐강에 따른 전공이수학점 부족 등에 따라 아래와 같이 수강신청 내규를 제정합니다.

(1) 정원 조정 : 이론교과목(40명), 영어강의 교과목(30명)

(2) 수강신청 우선순위

- ① 해당 학년 학생
- ② 전입생(편입학생, 전과생, 복수전공, 연계전공, 부전공...등)
- ③ 4학년 졸업 학점 관련 불가피한 자
- ④ 고학년이지만 첫 수강자(3학년, 4학년 순)
- ⑤ 재수강자

수강신청내규에 문의가 있는 학생은 학과장님과 면담 신청 바랍니다.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Robert T. Dehoff	Publisher	Textbook	Thermodynamics in Materials Science	Issued year
(2)	Author	D.R. Gaskell	Publisher	Textbook	Introduction to Metallurgical Thermodynamics	Issued year
(3)	Author		Publisher	Textbook		Issued year

[Reference books]

(1)	Author		Publisher	Textbook		Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

PPT slides and handout

[6] Weekly lesson plans

First week	Lecture introduction
Second week	Introduction : Purpose, Usefulness, Definition, and Behavior of Matter Structure of Thermodynamics : Thermodynamic Systems/Properties, Classification of Relationships, and Equilibrium
Third week	Laws of Thermodynamics : The First/Second/Third Law of Thermodynamics, Energy Balance, and Combined Statements Thermodynamic Variables and Relations : Maxwell Relations, General Strategy for Deriving Thermodynamic Relations, and Applications to Solids/Liquids
Fourth week	Equilibrium in Thermodynamic Systems : General Criterion for Equilibrium, Mathematical Formulation, and Application of General Strategy of Finding Conditions for Equilibrium
Fifth week	Statistical Thermodynamics : Micro-/Macrostate, Entropy, Conditions for Equilibrium in Statistical Thermodynamics, and Calculation of Macroscopic Properties Model with Two Energy Levels, Einstein & Debye Heat Capacity Models, Alternate Statistical Formulations, and Most Probable State
Sixth week	Multicomponent, Homogeneous Nonreacting Systems : Partial Molar Properties, Evaluation of PMP, and Their Relationships Chemical Potential in Multicomponent Systems : Fugacities, Activities, Activity Coefficients, and Solution Models
Seventh week	Thermodynamics of Phase Transformations, Richardson–Ellingham Charts for Oxidation and Reduction, and Predominance Diagrams
Eighth week	Mid-term
Ninth week	Statements of Lever and Phase Rules, Their Applications, Thermodynamics and Phase Equilibria
Tenth week	Equilibria in One-Component Systems : Phase Rule, P–T Diagrams, Clausius–Clapeyron Equation.
Eleventh week	Condensed One-Component Systems, Non-Equilibrium Systems
Twelfth week	Equilibria Two-Component Systems : Phase Rule, Equilibrium between Phases of variable Composition. Equilibrium Criteria.
Thirteenth week	Solution Theories, Free Energy of Binary Systems, Types of Binary Diagrams and Crystallization Paths : Problems and Solutions.
Fourteenth week	Gas Phase Effects on Phase Stability, Non-Equilibrium Systems, Methods of Constructing Phase Diagrams from Thermodynamics Data

Fifteenth week	Group project
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Fundamental Experiment for Energy and Chemical Engineering	Course Number	0001211001
Major / School Year	Dept. of Energy and Chemical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 김정	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI543:목(6)(7)(8)(9)]
Office hours	Arrange schedule via Email	lecture room	

[1] Outline / Purpose

In this course, students will deepen their knowledge acquired from core engineering courses through scientific experiments, and understand the differences between theory and experiments. The students will be asked to explore and analyze the underlying reasons behind such observed differences. There will be 4+α experiments throughout the semester covering various topics of chemical engineering concepts. A preliminary report should be submitted prior to each experiment, and an experiment report after the experiment with in-depth analysis.

[2] Course Learning Outcomes

1. Students can confirm the various theory through carefully-designed scientific experiments.
2. Students can plan, proceed, and summarize the experiments.
3. Students can figure out the reason why the theory and experiment show different result.

[3] Class Delivery Method

There will be a brief introduction to the topic before each experiment, and an experimental manual is going to be handed out. Students will be asked to write a preliminary report based on the experimental manual and the introduction lecture. After the experiment, an experiment report must be submitted. There will also be a final presentation to assess the student's achievement at the end of the semester.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	0 %	0 %	80 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Attendance: 20%
 Preliminary report: 25 %
 Experiment report: 35 %
 Presentation: 20%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation and Introduction
Second week	Experiment 1. Measurement of weak acid–dissociation constant – theory
Third week	Experiment 1. Measurement of weak acid–dissociation constant – experiment
Fourth week	Experiment 1. Measurement of weak acid–dissociation constant – report
Fifth week	Experiment 2. Adsorption of phenol on activated carbon – theory
Sixth week	Experiment 2. Adsorption of phenol on activated carbon – experiment
Seventh week	Experiment 2. Adsorption of phenol on activated carbon – report
Eighth week	Experiment 3. Dependence of a reaction rate constant on temperature – theory
Ninth week	Experiment 3. Dependence of a reaction rate constant on temperature – experiment
Tenth week	Experiment 3. Dependence of a reaction rate constant on temperature – report
Eleventh week	Experiment 4. CV (Cyclic Voltammetry) Experiment – theory
Twelfth week	Experiment 4. CV (Cyclic Voltammetry) Experiment – experiment
Thirteenth week	Experiment 4. CV (Cyclic Voltammetry) Experiment – report
Fourteenth week	Make-up Experiment
Fifteenth week	Make-up Experiment
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Fundamental Experiment for Energy and Chemical Engineering	Course Number	0001211002
Major / School Year	Dept. of Energy and Chemical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 김정	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI543:금(6)(7)(8)(9)]
Office hours	Arrange schedule via Email	lecture room	

[1] Outline / Purpose

In this course, students will deepen their knowledge acquired from core engineering courses through scientific experiments, and understand the differences between theory and experiments. The students will be asked to explore and analyze the underlying reasons behind such observed differences. There will be 4+α experiments throughout the semester covering various topics of chemical engineering concepts. A preliminary report should be submitted prior to each experiment, and an experiment report after the experiment with in-depth analysis.

[2] Course Learning Outcomes

1. Students can confirm the various theory through carefully-designed scientific experiments.
2. Students can plan, proceed, and summarize the experiments.
3. Students can figure out the reason why the theory and experiment show different result.

[3] Class Delivery Method

There will be a brief introduction to the topic before each experiment, and an experimental manual is going to be handed out. Students will be asked to write a preliminary report based on the experimental manual and the introduction lecture. After the experiment, an experiment report must be submitted. There will also be a final presentation to assess the student's achievement at the end of the semester.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	0 %	0 %	80 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Attendance: 20%
 Preliminary report: 25 %
 Experiment report: 35 %
 Presentation: 20%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation and Introduction
Second week	Experiment 1. Measurement of weak acid–dissociation constant – theory
Third week	Experiment 1. Measurement of weak acid–dissociation constant – experiment
Fourth week	Experiment 1. Measurement of weak acid–dissociation constant – report
Fifth week	Experiment 2. Adsorption of phenol on activated carbon – theory
Sixth week	Experiment 2. Adsorption of phenol on activated carbon – experiment
Seventh week	Experiment 2. Adsorption of phenol on activated carbon – report
Eighth week	Experiment 3. Dependence of a reaction rate constant on temperature – theory
Ninth week	Experiment 3. Dependence of a reaction rate constant on temperature – experiment
Tenth week	Experiment 3. Dependence of a reaction rate constant on temperature – report
Eleventh week	Experiment 4. CV (Cyclic Voltammetry) Experiment – theory
Twelfth week	Experiment 4. CV (Cyclic Voltammetry) Experiment – experiment
Thirteenth week	Experiment 4. CV (Cyclic Voltammetry) Experiment – report
Fourteenth week	Make-up Experiment
Fifteenth week	Make-up Experiment
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Experiment for Energy Conversion and Storage	Course Number	0001224001
Major / School Year	Dept. of Energy and Chemical Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 이창연	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI572:수(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

Introduction to experimental problems encountered in the synthesis, isolation, purification, characterization, and identification of organic-inorganic hybrid material such as metal-organic frameworks.

[2] Course Learning Outcomes

- This course is designed to introduce the student to basic techniques and procedures in isolation, purification, and characterization of organic and inorganic compounds.
- Metal-organic frameworks materials (ZIF-67 and UiO-66) will be synthesized and studied by an analytical technique.
- Student will be trained in the proper way to write a scientific laboratory report.

[3] Class Delivery Method

Short lecture and experiment

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	%	%	70 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation and Synthesis of UiO-66
Second week	Characterization of UiO-66 (SEM), Submission of preliminary report
Third week	Characterization of UiO-66 (BET, XRD)
Fourth week	Synthesis of ZIF-8
Fifth week	Characterization of ZIF-8 (SEM)
Sixth week	Characterization of ZIF-8 (BET, XRD)
Seventh week	BET Theory
Eighth week	Preparation of final report
Ninth week	Orientation
Tenth week	Theoretical background for fuel cell
Eleventh week	Assembly of fuel cell – Submission of preliminary report
Twelfth week	Assembly of fuel cell
Thirteenth week	Test of the fuel cell: getting I/V curve
Fourteenth week	Test of the fuel cell: getting I/V curve
Fifteenth week	Presentation – Submission of result report
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Experiment for Energy Conversion and Storage	Course Number	0001224002
Major / School Year	Dept. of Energy and Chemical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 이창연	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI572:목(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

Introduction to experimental problems encountered in the synthesis, isolation, purification, characterization, and identification of organic-inorganic hybrid material such as metal-organic frameworks.

[2] Course Learning Outcomes

- This course is designed to introduce the student to basic techniques and procedures in isolation, purification, and characterization of organic and inorganic compounds.
- Metal-organic frameworks materials (ZIF-67 and UiO-66) will be synthesized and studied by an analytical technique.
- Student will be trained in the proper way to write a scientific laboratory report.

[3] Class Delivery Method

Short lecture and experiment

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	%	%	70 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation and Synthesis of UiO-66
Second week	Characterization of UiO-66 (SEM), Submission of preliminary report
Third week	Characterization of UiO-66 (BET, XRD)
Fourth week	Synthesis of ZIF-8
Fifth week	Characterization of ZIF-8 (SEM)
Sixth week	Characterization of ZIF-8 (BET, XRD)
Seventh week	BET Theory
Eighth week	Preparation of final report
Ninth week	Orientation
Tenth week	Theoretical background for fuel cell
Eleventh week	Assembly of fuel cell – Submission of preliminary report
Twelfth week	Assembly of fuel cell
Thirteenth week	Test of the fuel cell: getting I/V curve
Fourteenth week	Test of the fuel cell: getting I/V curve
Fifteenth week	Presentation – Submission of result report
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Separation Process		Course Number	0010920001		
Major / School Year	Dept. of Energy and Chemical Engineering	/ 4	completion division /Grade evaluation	/		
Department/Professor	Dept. of Energy and Chemical Engineering	/ 김정	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SJ225:월(7-8A), 화(1-2A)]		
Office hours			lecture room			

[1] Outline / Purpose

This course will cover basic fundamentals of separation process engineering

- Importance of Separation Process
- Different types of Separation Unit Operation
- Distillation, Adsorption, Absorption, Membrane, Chromatography, Recrystallization, Extraction
- Review basic concepts of thermodynamics and mass transfer phenomenon

[2] Course Learning Outcomes

- Understand different types of separation unit operation
- Derive mass balance, energy, and entropy balance equations
- Apply fundamental chemical engineering knowledge to achieve desired separation outcome

[3] Class Delivery Method

- Offline Lecture with simultaneous online streaming
- Mostly lectures
- Possibly team projects

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	– Orientation
Second week	Importance of Separation Process
Third week	Brief Review on Mass and Energy Balance
Fourth week	Brief Review on Thermodynamics
Fifth week	Brief Review on Heat and Mass Transfer
Sixth week	Different Types of Separation Process (Distillation)
Seventh week	Different Types of Separation Process (Distillation)
Eighth week	Midterm
Ninth week	Different Types of Separation Process (Adsorption/Absorption)
Tenth week	Different Types of Separation Process (Adsorption/Absorption)
Eleventh week	Different Types of Separation Process (Chromatography)
Twelfth week	Different Types of Separation Process (Chromatography)
Thirteenth week	Different Types of Separation Process (Membrane Technology)
Fourteenth week	Different Types of Separation Process (Membrane Technology)
Fifteenth week	Review
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	DIGITAL ENGINEERING	Course Number	IAA6005001
Major / School Year	Dept. of Computer Science and Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Computer Science and Engineering / 김우일	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH505:월(2B-3),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers basic digital logic circuits and their design.

It consists of Boolean algebra, logic gates, combinational logic circuits, sequential logic circuits, counter, register, and etc

[2] Course Learning Outcomes

Students are expected to obtain knowledge of basic digital system and understand the concept of the system design.

[3] Class Delivery Method

Lecture in English

Assignment, Mid-term & Final exams

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	%	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	80 %	%	%	%	20 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	M. Morris Mano and Michael D. Ciletti	Publisher	Pearson	Textbook	Digital Design, 5th Ed.	Issued year	2013 1201
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Frank Vahid	Publisher	John Wiley & Sons	Textbook	Digital Design with RTL Design, Verilog & VHDL, 2nd Ed.	Issued year	
(2)	Author	Stephen Brown & Zvon	Publisher	McGraw-Hill	Textbook	Fundamentals of Digital Logic with VHDL Design, 3rd Ed.	Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Number system
Second week	Digital codes
Third week	Basic logic gates
Fourth week	Boolean algebra
Fifth week	Minimization
Sixth week	Combinational logic circuits 1/2
Seventh week	Combinational logic circuits 2/2
Eighth week	Mid-term exam
Ninth week	Flip-flops 1/2
Tenth week	Flip-flops 2/2
Eleventh week	Synchronous sequential logic circuits 1/2
Twelfth week	Synchronous sequential logic circuits 2/2
Thirteenth week	Counters 1/2
Fourteenth week	Counters 2/2
Fifteenth week	Registers
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	DIGITAL ENGINEERING	Course Number	IAA6005002
Major / School Year	Dept. of Computer Science and Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Computer Science and Engineering / 김우일	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH505:월(5B-6),금(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers basic digital logic circuits and their design.

It consists of Boolean algebra, logic gates, combinational logic circuits, sequential logic circuits, counter, register, and etc

[2] Course Learning Outcomes

Students are expected to obtain knowledge of basic digital system and understand the concept of the system design.

[3] Class Delivery Method

Lecture in English

Assignment, Mid-term & Final exams

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	%	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	80 %	%	%	%	20 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	M. Morris Mano and Michael D. Ciletti	Publisher	Pearson	Textbook	Digital Design, 5th Ed.	Issued year	2013 1201
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Frank Vahid	Publisher	John Wiley & Sons	Textbook	Digital Design with RTL Design, Verilog & VHDL, 2nd Ed.	Issued year	
(2)	Author	Stephen Brown & Zvon	Publisher	McGraw-Hill	Textbook	Fundamentals of Digital Logic with VHDL Design, 3rd Ed.	Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Number system
Second week	Digital codes
Third week	Basic logic gates
Fourth week	Boolean algebra
Fifth week	Minimization
Sixth week	Combinational logic circuits 1/2
Seventh week	Combinational logic circuits 2/2
Eighth week	Mid-term exam
Ninth week	Flip-flops 1/2
Tenth week	Flip-flops 2/2
Eleventh week	Synchronous sequential logic circuits 1/2
Twelfth week	Synchronous sequential logic circuits 2/2
Thirteenth week	Counters 1/2
Fourteenth week	Counters 2/2
Fifteenth week	Registers
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	DIGITAL ENGINEERING	Course Number	IAA6005003
Major / School Year	Dept. of Computer Science and Engineering(Evening) / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Computer Science and Engineering / 김우일	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH504:목(011-2A)(012B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers basic digital logic circuits and their design.

It consists of Boolean algebra, logic gates, combinational logic circuits, sequential logic circuits, counter, register, and etc

[2] Course Learning Outcomes

Students are expected to obtain knowledge of basic digital system and understand the concept of the system design.

[3] Class Delivery Method

Lecture in English

Assignment, Mid-term & Final exams

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	%	%	20 %	%	%	%	%

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	80 %	%	%	%	20 %	%

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	M. Morris Mano and Michael D. Ciletti	Publisher	Pearson	Textbook	Digital Design, 5th Ed.	Issued year	2013 1201
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Frank Vahid	Publisher	John Wiley & Sons	Textbook	Digital Design with RTL Design, Verilog & VHDL, 2nd Ed.	Issued year	
(2)	Author	Stephen Brown & Zvon	Publisher	McGraw-Hill	Textbook	Fundamentals of Digital Logic with VHDL Design, 3rd Ed.	Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Number system
Second week	Digital codes
Third week	Basic logic gates
Fourth week	Boolean algebra
Fifth week	Minimization
Sixth week	Combinational logic circuits 1/2
Seventh week	Combinational logic circuits 2/2
Eighth week	Mid-term exam
Ninth week	Flip-flops 1/2
Tenth week	Flip-flops 2/2
Eleventh week	Synchronous sequential logic circuits 1/2
Twelfth week	Synchronous sequential logic circuits 2/2
Thirteenth week	Counters 1/2
Fourteenth week	Counters 2/2
Fifteenth week	Registers
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	COMPUTER ARCHITECTURE	Course Number	IAB6020001
Major / School Year	Dept. of Information and Telecommunication Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 노승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358284	A weekday / class /	[SH104:수(5B-6)] [SH205:목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course aims to study the essential architecture of digital computers (CPU, memory, I/O, software) and develop a deeper understanding of computer systems design, emphasizing pipelined MIPS machines.

[2] Course Learning Outcomes

This course's learning outcomes include understanding the fundamental architecture of computers and their design principles for single-cycle and pipelined uni-processors.

[3] Class Delivery Method

This course meets mainly online, enriched with pre-recorded video lectures. All course materials will be posted on the course website (<https://cyber.inu.ac.kr/>). The examinations can be held either online or offline. This course is a slide-based lecture to deliver the fundamentals of a subject. Interactive learning is encouraged with students participating in group (online) discussions to promote active learning.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	10 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	80 %	0 %	0 %	0 %	10 %	0 %

[4] Grading Policies

Exams and quizzes - 70%

Attendance - 20%

Assignment and participation - 10%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Publisher	Textbook	Computer Organization and Design : The Hardware/Software Interface 5th edition	Issued year	2018
(2)	David A. Patterson, John L. Hennessy	Publisher	Morgan Kaufmann	Textbook	Computer Organization and Design : The Hardware/Software Interface 2nd edition	Issued year	1999
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Namil Yoon, Kangwoo Lee	Publisher	Saengneung Publisher	Textbook	Computer Architecture	Issued year	2013
(2)	Author	Jonghyun Kim	Publisher	Saengneung Publisher	Textbook	Computer Architecture	Issued year	2013
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to computer organization
Second week	Number representations and basic arithmetic operations
Third week	Combinational and sequential logic circuits
Fourth week	Introduction to MIPS assembler
Fifth week	MIPS control flow and logic operations
Sixth week	MIPS arithmetic and ALU design part I
Seventh week	MIPS arithmetic and ALU design part II
Eighth week	Design of MIPS single cycle datapath part I
Ninth week	Design of MIPS single cycle datapath part II
Tenth week	Design of MIPS single cycle datapath part III
Eleventh week	Design of multicycle MIPS datapath and control path part I
Twelfth week	Design of multicycle MIPS datapath and control path part II
Thirteenth week	Design of pipelined datapath and control path
Fourteenth week	Pipeline hazards in computer architecture part I
Fifteenth week	Pipeline hazards in computer architecture part II and memory hierarchy (Final exam)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	DATA COMMUNICATION	Course Number	IAB6030001
Major / School Year	Dept. of Information and Telecommunication Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 이병주	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH205:목(5B-6)] [SH406:월(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Studying following topics

- Principles of physical layer and data link layer
- Error correction control
- Data link control
- Medium access control
- Wireless LAN

[2] Course Learning Outcomes

Understanding of fundamental data communication theories

[3] Class Delivery Method

Lecture slides

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	0 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	80 %	0 %	0 %	0 %	10 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGrawHill	Textbook	Data Communications and Networking (5th ed)	Issued year	2013	
(2)	Author	Jaekwang Lee	Publisher	McGrawHill	Textbook	Data Communications (3rd ed)	Issued year	2022
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Jaekwang Lee	Publisher	McGrawHill	Textbook	Data Communications and Networking (6th ed)	Issued year	2021
(2)	Author	Stallings	Publisher	Prentice Hall	Textbook	Data and Computer Communications (10th ed)	Issued year	2013
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Ch. 1 Introduction
Second week	Ch. 2 Network Model Ch. 3 Physical Layer
Third week	Ch. 4 Digital Transmission (1)
Fourth week	Ch. 4 Digital Transmission (2)
Fifth week	Ch. 5 Analog Transmission (1)
Sixth week	Ch. 5 Analog Transmission (2)
Seventh week	Ch. 6 Bandwidth Utilization Ch. 8 Switching
Eighth week	Mid-term exam
Ninth week	Ch. 9 Data Link Layer
Tenth week	Ch. 10 Error Detection & Correction
Eleventh week	Ch. 11 Data Link Control
Twelfth week	Ch. 12 Medium Access Control (1)
Thirteenth week	Ch. 12 Medium Access Control (2)
Fourteenth week	Ch. 13 Wired LAN: Ethernet Ch. 15 Wireless Networks
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	DATA COMMUNICATION	Course Number	IAB6030002
Major / School Year	Dept. of Information and Telecommunication Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 이병주	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH104:월(8B-9),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Studying following topics

- Principles of physical layer and data link layer
- Error correction control
- Data link control
- Medium access control
- Wireless LAN

[2] Course Learning Outcomes

Understanding of fundamental data communication theories

[3] Class Delivery Method

Lecture slides

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	0 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	80 %	0 %	0 %	0 %	10 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGrawHill	Textbook	Data Communications and Networking (5th ed)	Issued year	2013
(2)	Author	Publisher	McGrawHill	Textbook	Data Communications (3rd ed)	Issued year	2022
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	McGrawHill	Textbook	Data Communications and Networking (6th ed)	Issued year	2021
(2)	Author	Publisher	Prentice Hall	Textbook	Data and Computer Communications (10th ed)	Issued year	2013
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Ch. 1 Introduction
Second week	Ch. 2 Network Model Ch. 3 Physical Layer
Third week	Ch. 4 Digital Transmission (1)
Fourth week	Ch. 4 Digital Transmission (2)
Fifth week	Ch. 5 Analog Transmission (1)
Sixth week	Ch. 5 Analog Transmission (2)
Seventh week	Ch. 6 Bandwidth Utilization Ch. 8 Switching
Eighth week	Mid-term exam
Ninth week	Ch. 9 Data Link Layer
Tenth week	Ch. 10 Error Detection & Correction
Eleventh week	Ch. 11 Data Link Control
Twelfth week	Ch. 12 Medium Access Control (1)
Thirteenth week	Ch. 12 Medium Access Control (2)
Fourteenth week	Ch. 13 Wired LAN: Ethernet Ch. 15 Wireless Networks
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ELECTRONIC CIRCUIT		Course Number	IAB6065001		
Major / School Year	Dept. of Information and Telecommunication Engineering /	3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Information and Telecommunication Engineering /	강승택	Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class /	[SH104:화(7-8A),목(7-8A)]		
Office hours			lecture room			

[1] Outline / Purpose

Students learn the concept and physics of semi-conductors developed to be switches and amplifiers represented as diodes, and transistors, respectively, along with memories. Also, the functions of these semi-conductor devices can be enhanced by considering electromagnetic phenomena for high-speed digital signals.

[2] Course Learning Outcomes

Students will understand the principle of physics and operations of rectification and switching of diodes, bipolar-transistors and field-effect transistors.

[3] Class Delivery Method

Lectures on theoretical basics and Applied fields

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	0 %	0 %	0 %	20 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	80 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

From the first week of March to the second week of March, the on-line and off-line styles of teaching will go together. The on-line class is recommended to the students who cannot commute every time due to not living in the Greater Incheon area.

Otherwise, students are asked to come to the campus.

As of the third week of March, unless an emergency occurs, all the students should join the class in person.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Sedra	Publisher	Oxford University Press	Textbook	Microelectronic Circuits(5th edition)	Issued year	2004
(2)	Author	Boylestad	Publisher	Scitech	Textbook	Electronic devices and circuit theory	Issued year	2002
(3)	Author	Boylestad	Publisher	사이텍미디어	Textbook	(Electronic devices and circuit theory(8th edition))	Issued year	2002

[Reference books]

(1)	Author	Cedra & Smith	Publisher	McGraw Hill	Textbook	MicroElectronics	Issued year	1996
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Kinds and features of semi-conducting materials
Second week	Semi-conductors
Third week	Rectification of diodes
Fourth week	Circuits based on diodes
Fifth week	Three states of bias and biasing(large signal model) for the bi-polar junction transistor
Sixth week	Basics of the small signal model of the bi-polar junction transistor as an amplifier
Seventh week	Applications of the small signal model of the bi-polar junction transistor as an amplifier
Eighth week	The mid-terms
Ninth week	Bi-polar junction transistors for power amplification
Tenth week	Frequency responses of the BJT---Considering electromagnetics for RF and microwave bands
Eleventh week	Biasing for field-effective transistors(FET)
Twelfth week	The small signal model of the FET
Thirteenth week	Frequency responses of the FET---Considering electromagnetics for RF and microwave bands
Fourteenth week	OP-Amp(Operating amplifiers)
Fifteenth week	Circuits based on OP-amps
Sixteenth week	The finals

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	NUMERICAL ANALYSIS		Course Number	IAB6016001		
Major / School Year	Dept. of Information and Telecommunication Engineering / 4		completion division / Grade evaluation	/		
Department/Professor	Dept. of Information and Telecommunication Engineering / 강승택		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class / lecture room	[SH417:월(2B-3),목(2B-3)]		
Office hours						

[1] Outline / Purpose

Every discipline and activity of engineering requires mathematical operations as ways of expressing physical phenomena. In order to carry out calculation and equation solving using the computer after mathematical modeling, numerical analysis methods are adopted to make things come true.

[2] Course Learning Outcomes

Hopefully, students are able to know number defining, linear algebra, approximation, root-finding, differentiation and integration, and apply them to get the solutions to mathematical expressions of engineering problems.

[3] Class Delivery Method

Most of the classes have the professor's teaching. Frequently, students are asked questions and the ways they make an effort to answer them are checked by the professor.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	%	%	%	20 %	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	90 %	%	%	%	%	%

[4] Grading Policies

From the first week of March to the second week of March, the on-line and off-line styles of teaching will go together. The on-line class is recommended to the students who cannot commute every time due to not living in the Greater Incheon area.

Otherwise, students are asked to come to the campus.

As of the third week of March, unless an emergency occurs, all the students should join the class in person.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Prime, ISBN-13: 978-0073401065	Textbook	Numerical Methods for Engineers, Sixth Edition	Issued year	2009
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Real-time On-line Lecture through 'Kakao TV Application' Contents: The field of numerical analysis
Second week	Real-time On-line Lecture through 'Kakao TV Application' Contents: Functions and their approximate expressions : Taylor expansion, etc.
Third week	Functions and their approximate expressions : Other orthogonal basis function expansion, polynomials(Chebyshev)
Fourth week	Functions and their approximate expressions : Other orthogonal basis function expansion, polynomials(Fourier)
Fifth week	Functions and their approximate expressions : Rational functions
Sixth week	Differentiation and slopes
Seventh week	Differentiation and Difference
Eighth week	Mid-terms
Ninth week	Integration and summation I
Tenth week	Integration and summation II
Eleventh week	Interpolation I
Twelfth week	Interpolation II
Thirteenth week	Extrapolation
Fourteenth week	Simultaneous equations and matrix I
Fifteenth week	Simultaneous equations and matrix II
Sixteenth week	Finals

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MANAGEMENT	Course Number	JA06050002
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김경미	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358509	A weekday / class /	[SO103:화(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course is an instruction to the basic concepts of management and organization. A review of the historical development of management practices will precede the core areas of study, which include the processes of decision making and planning in organizations, concepts of organization design, measurement of control of organizational performance, leadership, and the direction of human activity.

[2] Course Learning Outcomes

Understand fundamental concepts and principles of management, including basic roles, skills, and function of management:

Be knowledgeable of historical development, theoretical aspects and practice application of managerial process:

Be familiar with interactions between environments, technology, human resources, and organizations in order to achieve high performance:

Be aware of ethical dilemmas faced by managers and the social responsibilities of business

[3] Class Delivery Method

This course is a student centered course. Preparation for class and participation in discussions are expected. Students must both read the assigned materials and complete all required assignments before the class in which they are due. Students are also encouraged to participate into class discussions, assignments, activities, and in-class quizzes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	20 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	80 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gulati, Mayo, Nohria	Publisher	Cengage Learning	Textbook	Management	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Orientation, Introduction and class plan (online)
Second week	Class activity Introduction to Management (online)
Third week	Class activity The global business environment
Fourth week	Class activity Ethics and social responsibility
Fifth week	Introduction to strategy Class work
Sixth week	Introduction to strategy
Seventh week	presentation
Eighth week	Mid-term Exam
Ninth week	Organizational design
Tenth week	Organizational culture
Eleventh week	Managing human capital
Twelfth week	Performance management
Thirteenth week	presentation
Fourteenth week	Presentation
Fifteenth week	Final exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MANAGEMENT	Course Number	JA06050006
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO103:수(8B-9)] [SY3413:화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in management. The course will provide fundamental concepts and frameworks for formulating implementing and understanding management to provide basic frameworks for the actual world of business.

While giving you some analytical approaches that are useful to widely different problems in the business world, the course will also enable you to develop an appreciation of management. Both analytical ability and creativity will be awarded in the classroom as in real life.

The functional skills acquired in earlier courses may be applied to problems that typically face the general manager. In preparing each chapter, you may be able to improve your management insights and knowledge by using the techniques learned throughout the lessons.

[2] Course Learning Outcomes

By the end of the course, you should be able to understand: fundamental concepts and principles of management, including the basic roles, skills, and functions of management, theoretical aspects and practice application of managerial process, familiar with interactions between the environment, and the ethical dilemmas faced by managers, and the social responsibilities of business.

[3] Class Delivery Method

Each week the class lecture will cover the various fields in the management world. It will range from globalization, production, organizational culture, strategy, and more.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gulati, Ranjay, Mayo, Anthony J., & Nohria, Nitin	Publisher	Cengage Learning	Textbook	Management	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Course introduction
Second week	Chapter 1: Introduction to Management
Third week	Chapter 2: The Global Business Environment
Fourth week	Chapter 3: Ethics and Corporate Social Responsibility
Fifth week	Chapter 4: Introduction to Strategy
Sixth week	Chapter 5: Business-Level Strategy (I)
Seventh week	Chapter 6: Corporate-Level Strategy
Eighth week	Midterm
Ninth week	Chapter 8: Organizational Culture
Tenth week	Chapter 10: Performance Management
Eleventh week	Chapter 13: Becoming a Leader: Knowing Yourself
Twelfth week	Chapter 14: Motivation
Thirteenth week	Final Group Case Presentation
Fourteenth week	Final Group Case Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MANAGEMENT	Course Number	JA06050005
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO103:수(7-8A)] [SY3403:화(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in management. The course will provide fundamental concepts and frameworks for formulating implementing and understanding management to provide basic frameworks for the actual world of business.

While giving you some analytical approaches that are useful to widely different problems in the business world, the course will also enable you to develop an appreciation of management. Both analytical ability and creativity will be awarded in the classroom as in real life.

The functional skills acquired in earlier courses may be applied to problems that typically face the general manager. In preparing each chapter, you may be able to improve your management insights and knowledge by using the techniques learned throughout the lessons.

[2] Course Learning Outcomes

By the end of the course, you should be able to understand: fundamental concepts and principles of management, including the basic roles, skills, and functions of management, theoretical aspects and practice application of managerial process, familiar with interactions between the environment, and the ethical dilemmas faced by managers, and the social responsibilities of business.

[3] Class Delivery Method

Each week the class lecture will cover the various fields in the management world. It will range from globalization, production, organizational culture, strategy, and more.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gulati, Ranjay, Mayo, Anthony J., & Nohria, Nitin	Publisher	Cengage Learning	Textbook	Management	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Course introduction
Second week	Chapter 1: Introduction to Management
Third week	Chapter 2: The Global Business Environment
Fourth week	Chapter 3: Ethics and Corporate Social Responsibility
Fifth week	Chapter 4: Introduction to Strategy
Sixth week	Chapter 5: Business-Level Strategy (I)
Seventh week	Chapter 6: Corporate-Level Strategy
Eighth week	Midterm
Ninth week	Chapter 8: Organizational Culture
Tenth week	Chapter 10: Performance Management
Eleventh week	Chapter 13: Becoming a Leader: Knowing Yourself
Twelfth week	Chapter 14: Motivation
Thirteenth week	Final Group Case Presentation
Fourteenth week	Final Group Case Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MANAGEMENT	Course Number	JA06050004
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO103:월(5B-6)] [SY3103:수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in management. The course will provide fundamental concepts and frameworks for formulating implementing and understanding management to provide basic frameworks for the actual world of business.

While giving you some analytical approaches that are useful to widely different problems in the business world, the course will also enable you to develop an appreciation of management. Both analytical ability and creativity will be awarded in the classroom as in real life.

The functional skills acquired in earlier courses may be applied to problems that typically face the general manager. In preparing each chapter, you may be able to improve your management insights and knowledge by using the techniques learned throughout the lessons.

[2] Course Learning Outcomes

By the end of the course, you should be able to understand: fundamental concepts and principles of management, including the basic roles, skills, and functions of management, theoretical aspects and practice application of managerial process, familiar with interactions between the environment, and the ethical dilemmas faced by managers, and the social responsibilities of business.

[3] Class Delivery Method

Each week the class lecture will cover the various fields in the management world. It will range from globalization, production, organizational culture, strategy, and more.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gulati, Ranjay, Mayo, Anthony J., & Nohria, Nitin	Publisher	Cengage Learning	Textbook	Management	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Course introduction
Second week	Chapter 1: Introduction to Management
Third week	Chapter 2: The Global Business Environment
Fourth week	Chapter 3: Ethics and Corporate Social Responsibility
Fifth week	Chapter 4: Introduction to Strategy
Sixth week	Chapter 5: Business-Level Strategy (I)
Seventh week	Chapter 6: Corporate-Level Strategy
Eighth week	Midterm
Ninth week	Chapter 8: Organizational Culture
Tenth week	Chapter 10: Performance Management
Eleventh week	Chapter 13: Becoming a Leader: Knowing Yourself
Twelfth week	Chapter 14: Motivation
Thirteenth week	Final Group Case Presentation
Fourteenth week	Final Group Case Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MANAGEMENT	Course Number	JA06050003
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김경미	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358509	A weekday / class /	[SO103:화(8B-9),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is an instruction to the basic concepts of management and organization. A review of the historical development of management practices will precede the core areas of study, which include the processes of decision making and planning in organizations, concepts of organization design, measurement of control of organizational performance, leadership, and the direction of human activity.

[2] Course Learning Outcomes

Understand fundamental concepts and principles of management, including basic roles, skills, and function of management:

Be knowledgeable of historical development, theoretical aspects and practice application of managerial process:

Be familiar with interactions between environments, technology, human resources, and organizations in order to achieve high performance:

Be aware of ethical dilemmas faced by managers and the social responsibilities of business

[3] Class Delivery Method

This course is a student centered course. Preparation for class and participation in discussions are expected. Students must both read the assigned materials and complete all required assignments before the class in which they are due. Students are also encouraged to participate into class discussions, assignments, activities, and in-class quizzes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	20 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	80 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gulati, Mayo, Nohria	Publisher	Cengage Learning	Textbook	Management	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Orientation, Introduction and class plan (online)
Second week	Class activity Introduction to Management (online)
Third week	Class activity The global business environment
Fourth week	Class activity Ethics and social responsibility
Fifth week	Introduction to strategy Class work
Sixth week	Introduction to strategy
Seventh week	presentation
Eighth week	Mid-term Exam
Ninth week	Organizational design
Tenth week	Organizational culture
Eleventh week	Managing human capital
Twelfth week	Performance management
Thirteenth week	presentation
Fourteenth week	Presentation
Fifteenth week	Final exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MANAGEMENT SCIENCE	Course Number	JA06012001
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김태호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358733	A weekday / class /	[SO203:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Management Science includes various scientific approaches which can be employed to figure out the problems of operations management. Thus, this class deals with the core issues of operations management and the corresponding scientific methodologies to solve the issues.

[2] Course Learning Outcomes

1. Understanding the fundamental issues of operations management
2. Understanding the scientific solution methodologies used to solve the issues of #1
3. Utilizing optimization software
4. Interpreting results

[3] Class Delivery Method

Lectures are implemented in the mix of offline and online

1. One and half hour offline lecture
2. One and half hour metaverse based practice

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	20 %	%	%	%	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	70 %	%	%	%	10 %	%

[4] Grading Policies

1. assignments (40%)
2. Final exam (40%)
3. Attendance and subjective evaluation (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGraw-Hill	Textbook	Operations Management	Issued year	2022
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction of MS
Second week	Product/Service design I
Third week	Product/Service design II
Fourth week	Forecasting
Fifth week	Process type and Capacity planning
Sixth week	Layout planning
Seventh week	Location planning I
Eighth week	Location planning II
Ninth week	Integrated planning I
Tenth week	Integrated planning II
Eleventh week	Integrated planning III
Twelfth week	Scheduling I
Thirteenth week	Scheduling II
Fourteenth week	Scheduling III
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Problem solving assignments	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MANAGEMENT INFORMATION	Course Number	JA06013002
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01020862768	A weekday / class /	[SY3403:월(7-8A)] [SY3413:수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

Information technology (IT) refers to the products, methods, inventions, and standards that are used for the purpose of managing and processing information. IT, represented by Big-data, AI, IOT, has radically changed the internal operations of organizations and the market places in which they compete, and hence, is increasingly pervasive in all aspects of the business world. Companies should promote innovation by effectively introducing and utilizing information technology, and those who have not adapted to the rapidly changing business environment are eliminated. Understanding the management information and information system is essential to the survival of the company, and moreover, it also provides an effective direction for the development of individuals' careers and capabilities in an organization.

[2] Course Learning Outcomes

This is an introductory course. It will provide students with an opportunity to study various topics of IT and MIS, both theoretically and practically. Topics include enterprise information systems, e-business, database management, social network, platform business, digital ecosystem, Big data analytics, machine learning methodologies. The focus will be on how technology can be applied in businesses - how it can be used to create new business opportunities, how it can serve as an agent of change in reorganizing business processes, how it can dramatically improve business decision making, and how it can create and sustain competitive advantages.

[3] Class Delivery Method

There will be 8 lectures, 1 exams and 6 team project presentations.
Students should present at least twice a semester on topics that are assigned in class.
Lecture notes will be uploaded online every week.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	40 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	5 %	0 %	15 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Ken J. Sousa & Effy Oz	Cengage Learning	Management Information Systems 7th Edition	2014
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course Introduction to information technology and information systems – e-Business – Ethical and Social Issues in IS – Database management
Second week	Introduction to bigdata – data analysis procedure – data type and characteristics – data collecting and processing
Third week	Introduction to bigdata – basic statistics – Bayesian inference
Fourth week	Classification and clustering algorithms – naive bayes classifier
Fifth week	Classification and clustering algorithms – decision tree – association rule analysis
Sixth week	Project presetnations
Seventh week	Project presetnations
Eighth week	Project presetnations
Ninth week	Classification and clustering algorithms – k-means – support vector machine
Tenth week	Unstructured data analytics – text mining
Eleventh week	Project presetnations
Twelfth week	Project presetnations
Thirteenth week	Project presetnations
Fourteenth week	Wrap up session – digital transformation and digital ecosystem – business data analytics
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MANAGEMENT INFORMATION	Course Number	JA06013003
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01020862768	A weekday / class /	[SO507:목(8B-9)] [SY3403:월(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

Information technology (IT) refers to the products, methods, inventions, and standards that are used for the purpose of managing and processing information. IT, represented by Big-data, AI, IOT, has radically changed the internal operations of organizations and the market places in which they compete, and hence, is increasingly pervasive in all aspects of the business world. Companies should promote innovation by effectively introducing and utilizing information technology, and those who have not adapted to the rapidly changing business environment are eliminated. Understanding the management information and information system is essential to the survival of the company, and moreover, it also provides an effective direction for the development of individuals' careers and capabilities in an organization.

[2] Course Learning Outcomes

This is an introductory course. It will provide students with an opportunity to study various topics of IT and MIS, both theoretically and practically. Topics include enterprise information systems, e-business, database management, social network, platform business, digital ecosystem, Big data analytics, machine learning methodologies. The focus will be on how technology can be applied in businesses - how it can be used to create new business opportunities, how it can serve as an agent of change in reorganizing business processes, how it can dramatically improve business decision making, and how it can create and sustain competitive advantages.

[3] Class Delivery Method

There will be 8 lectures, 1 exams and 6 team project presentations.
Students should present at least twice a semester on topics that are assigned in class.
Lecture notes will be uploaded online every week.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	40 %	0 %	0 %	0 %	0 %	0 %	0 %

@ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	5 %	0 %	15 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Ken J. Sousa & Effy Oz	Cengage Learning	Management Information Systems 7th Edition	2014
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course Introduction to information technology and information systems – e-Business – Ethical and Social Issues in IS – Database management
Second week	Introduction to bigdata – data analysis procedure – data type and characteristics – data collecting and processing
Third week	Introduction to bigdata – basic statistics – Bayesian inference
Fourth week	Classification and clustering algorithms – naive bayes classifier
Fifth week	Classification and clustering algorithms – decision tree – association rule analysis
Sixth week	Project presenations
Seventh week	Project presenations
Eighth week	Project presenations
Ninth week	Classification and clustering algorithms – k-means – support vector machine
Tenth week	Unstructured data analytics – text mining
Eleventh week	Project presenations
Twelfth week	Project presenations
Thirteenth week	Project presenations
Fourteenth week	Wrap up session – digital transformation and digital ecosystem – business data analytics
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MARKETING	Course Number	JA06001001
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김영균	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358718	A weekday / class /	[SO203:월(4-5A),목(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to acquaint the student with the principles and problems of the marketing of goods and the methods of distribution from producer or manufacturer to the consumer. The course includes a study of the types, functions, and practices of wholesalers and retailers in the marketing system and of efficient marketing techniques in the development and expansion of both domestic and international markets.

Marketing is a key ingredient in meeting the global challenges of organizations worldwide. Marketing should not be confused with advertising and sales. In this course you will discover the true nature of marketing and why advertising & sales are merely ingredients of the marketing mix. Additional aspects of marketing will be introduced. These aspects include: Marketing strategy, Market planning, Distribution, Retailing and Wholesaling, International Marketing, STP strategy, Pricing, Promotion and Services Marketing.

[2] Course Learning Outcomes

The goal of this course is to build a basic framework to enable students to evaluate, describe, and design marketing activities with practical insights into the real world. This course provides a decision-oriented overview of marketing management in modern organizations. Like other introductory survey courses, you will be exposed to and expected to learn the "language of marketing" (that is, terms, concepts, and frameworks) used by practicing marketing managers. However, it is also expected that

[3] Class Delivery Method

To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting.

Active participation is great part of your grade. You will get extra points by participating class action including

- (1) asking questions, (2) answering questions raised by the instructor, (3) responding to other student's comments, etc.
- (4) Bringing relevant articles or other materials to class that illustrate some of the things you have learned in the course. These articles or materials must be accompanied by a short, professionally written, summary (less than one page). Be sure to put your name in the top, right-hand corner, last name first.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	20 %	%	%	10 %	%	%	%

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	%	50 %	%	%	%	10 %	%

[4] Grading Policies

Class Attendance/Participation 10%

2 Exams 50%

In Class Presentation 20%

Assignments 10%

Paper/Presentation 10%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Pride&Ferral	Publisher	Cengage	Textbook	Class Attendance/Participation %	10	Issued year	2018

(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	What is Marketing Concept
Second week	Overview of Marketing
Third week	Marketing Environment
Fourth week	Consumer Decision Making
Fifth week	Business Decision Making
Sixth week	Segmenting and Target Marketing
Seventh week	Product and service Concept
Eighth week	Mid term Exam
Ninth week	Developing and Managing Products
Tenth week	Marketing Channels, logistics decisions and retailing
Eleventh week	Integrated Marketing Communication
Twelfth week	Promotions Mix
Thirteenth week	Pricing Concepts
Fourteenth week	Marketing strategy
Fifteenth week	Final exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Case Presentation	submission date	2020-06-05 Fri
	purpose	You should choose a product or company and by using the principles of marketing to elaborate and come up with resourceful insights.		
	procedure & notice	Will be explained during class		
	references			
The second assignment	assignment	Research Paper	submission date	2020-06-04 Thu
	purpose	Your interested area such as investing stocks, real estate and anything related investment.		

	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MARKETING	Course Number	JA06001003
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 허승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO103:목(4-5A)] [SY3103:화(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course intends to serve as an introduction to marketing through exploring “the marketing concept”. From this course, you will learn how to successfully approach the right customers by introducing new products, designing price schemes, communicating product value, and distributing product through intermediaries, all of which require deep understanding of customers, competitors and the economy.

[2] Course Learning Outcomes

1. Examine both quantitative and qualitative factors of marketing through exploring various analytic tools and strategic considerations.
2. Review the impacts of marketing decisions on various stakeholders such as customers, employees, shareholders, business partners, and the society.
3. Understand various levels of marketing decisions from operational issues to philosophical considerations, and from maximizing short-term profits to managing long-term relationship with customers.

[3] Class Delivery Method

This is a blended course and there will be both online and offline classes. Details will be provided later.

This course will highlight both theory and practice of marketing through a mix of lectures, case discussions, a hands-on project, and a guest lecture.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	William D. Perreault, Jr., Joseph Cannon, and E. Jerome McCarthy	McGraw-Hill Education	Essentials of Marketing (17th Edition)	2020
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	The relevant chapter of the textbook (details will be announced later)
Second week	The relevant chapter of the textbook (details will be announced later)
Third week	The relevant chapter of the textbook (details will be announced later)
Fourth week	The relevant chapter of the textbook (details will be announced later)
Fifth week	The relevant chapter of the textbook (details will be announced later)
Sixth week	The relevant chapter of the textbook (details will be announced later)
Seventh week	The relevant chapter of the textbook (details will be announced later)
Eighth week	The relevant chapter of the textbook (details will be announced later)
Ninth week	The relevant chapter of the textbook (details will be announced later)
Tenth week	The relevant chapter of the textbook (details will be announced later)
Eleventh week	The relevant chapter of the textbook (details will be announced later)
Twelfth week	The relevant chapter of the textbook (details will be announced later)
Thirteenth week	The relevant chapter of the textbook (details will be announced later)
Fourteenth week	The relevant chapter of the textbook (details will be announced later)
Fifteenth week	The relevant chapter of the textbook (details will be announced later)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF MARKETING	Course Number	JA06001002
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 허승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO103:목(2B-3)] [SY3103:화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course intends to serve as an introduction to marketing through exploring “the marketing concept”. From this course, you will learn how to successfully approach the right customers by introducing new products, designing price schemes, communicating product value, and distributing product through intermediaries, all of which require deep understanding of customers, competitors and the economy.

[2] Course Learning Outcomes

1. Examine both quantitative and qualitative factors of marketing through exploring various analytic tools and strategic considerations.
2. Review the impacts of marketing decisions on various stakeholders such as customers, employees, shareholders, business partners, and the society.
3. Understand various levels of marketing decisions from operational issues to philosophical considerations, and from maximizing short-term profits to managing long-term relationship with customers.

[3] Class Delivery Method

This is a blended course and there will be both online and offline classes. Details will be provided later.

This course will highlight both theory and practice of marketing through a mix of lectures, case discussions, a hands-on project, and a guest lecture.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	William D. Perreault, Jr., Joseph Cannon, and E. Jerome McCarthy	McGraw-Hill Education	Essentials of Marketing (17th Edition)	2020
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	The relevant chapter of the textbook (details will be announced later)
Second week	The relevant chapter of the textbook (details will be announced later)
Third week	The relevant chapter of the textbook (details will be announced later)
Fourth week	The relevant chapter of the textbook (details will be announced later)
Fifth week	The relevant chapter of the textbook (details will be announced later)
Sixth week	The relevant chapter of the textbook (details will be announced later)
Seventh week	The relevant chapter of the textbook (details will be announced later)
Eighth week	The relevant chapter of the textbook (details will be announced later)
Ninth week	The relevant chapter of the textbook (details will be announced later)
Tenth week	The relevant chapter of the textbook (details will be announced later)
Eleventh week	The relevant chapter of the textbook (details will be announced later)
Twelfth week	The relevant chapter of the textbook (details will be announced later)
Thirteenth week	The relevant chapter of the textbook (details will be announced later)
Fourteenth week	The relevant chapter of the textbook (details will be announced later)
Fifteenth week	The relevant chapter of the textbook (details will be announced later)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTERNET MARKETING	Course Number	JA06062001
Major / School Year	Division of Business Administration / 3	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김영균	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	8358718	A weekday / class /	[SO202:수(5B-6)] [SO203:월(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

By completing course requirements, you will be able to understand the marketing principles, strategies, and tactics associated with dominant Internet business models, the dynamics and taxonomy of business models and the elements of appraising business models.

The course consists of nine independent yet interrelated modules. Based on the objectives explained above, these modules are developed to address key areas, including managerial functions (dynamics and taxonomy); finance (valuing and appraising) and marketing functions (product, price, position and promotion) ship management. All these issues should be examined in the context of the fast-changing new economy and knowledge-based society

[2] Course Learning Outcomes

This course will examine Internet Marketing issues from a balanced perspective of theory and practice. On the theory side, we will draw on recent developments in research on Internet Marketing. On the practice side, real-world cases and practices will be used to systematically supplement the principles and theories introduced. Organizations need to get these issues right if they are to be successful with their electronic commerce applications.

[3] Class Delivery Method

To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting.

Active participation is great part of your grade. You will get extra points by participating class action including

(1) asking questions, (2) answering questions raised by the instructor, (3) responding to other student's comments, etc.

(4) Bringing relevant articles or other materials to class that illustrate some of the things you have learned in the course. These articles or materials must be accompanied by a short, professionally written, summary (less than one page). Be sure to put your name in the top, right-hand corner, last name first.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	10 %	%	10 %	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	%	50 %	%	%	%	10 %	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Mohammed et al.	Publisher	McGraw Hill	Textbook	Will be provided	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author	Chaffey et al.	Publisher	Prentice Hall	Textbook	Internet Marketing: Strategy, Implementation and Practice	Issued year	2010

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Marketing concept & Internet Marketing. Starting your own business
Second week	The Internet Marketing Introduction Preparation for business venture
Third week	Macro environment Part 1
Fourth week	Micro environment Part 2
Fifth week	Marketing Strategy Level 1
Sixth week	Internet and Marketing Mix Level 2
Seventh week	Marketing Mix II Level 3
Eighth week	Mid term Exam
Ninth week	Relationship Marketing Business Venture 1
Tenth week	CRM Business Venture 2
Eleventh week	Delivering Online Experience Pros and cons
Twelfth week	digital media P & C 2
Thirteenth week	Marketing Channels and Communication P & C 3
Fourteenth week	Channel Performance Evaluation 1
Fifteenth week	B 2 C internet marketing Eval 2
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Case Presentation	submission date	2021-06-04 Fri
	purpose	You should choose a product or service company and by using the internet (principles of marketing) to elaborate and come up with resourceful insights.		
	procedure & notice	Will be explained during class session		
	references			
The second assignment	assignment	Research Paper	submission date	2021-06-04 Fri
	purpose	Your interested area such as investing stocks, real estate and anything related investment for your own guidance.		
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTERNET MARKETING	Course Number	JA06062002
Major / School Year	Division of Business Administration / 3	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김영균	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	8358718	A weekday / class /	[SO202:수(7-8A)] [SO203:목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

By completing course requirements, you will be able to understand the marketing principles, strategies, and tactics associated with dominant Internet business models, the dynamics and taxonomy of business models and the elements of appraising business models. The course consists of nine independent yet interrelated modules. Based on the objectives explained above, these modules are developed to address key areas, including managerial functions (dynamics and taxonomy); finance (valuing and appraising) and marketing functions (product, price, position and promotion) ship management. All these issues should be examined in the context of the fast-changing new economy and knowledge-based society

[2] Course Learning Outcomes

This course will examine Internet Marketing issues from a balanced perspective of theory and practice. On the theory side, we will draw on recent developments in research on Internet Marketing. On the practice side, real-world cases and practices will be used to systematically supplement the principles and theories introduced. Organizations need to get these issues right if they are to be successful with their electronic commerce applications.

[3] Class Delivery Method

To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting. Active participation is great part of your grade. You will get extra points by participating class action including (1) asking questions, (2) answering questions raised by the instructor, (3) responding to other student's comments, etc. (4) Bringing relevant articles or other materials to class that illustrate some of the things you have learned in the course. These articles or materials must be accompanied by a short, professionally written, summary (less than one page). Be sure to put your name in the top, right-hand corner, last name first.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	10 %	%	10 %	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	%	50 %	%	%	%	10 %	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Mohammed et al.	Publisher	McGraw Hill	Textbook	Will be provided	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author	Chaffey et al.	Publisher	Prentice Hall	Textbook	Internet Marketing: Strategy, Implementation and Practice	Issued year	2010

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Marketing concept & Internet Marketing. Starting your own business
Second week	The Internet Marketing Introduction Preparation for business venture
Third week	Macro environment Part 1
Fourth week	Micro environment Part 2
Fifth week	Marketing Strategy Level 1
Sixth week	Internet and Marketing Mix Level 2
Seventh week	Marketing Mix II Level 3
Eighth week	Mid term Exam
Ninth week	Relationship Marketing Business Venture 1
Tenth week	CRM Business Venture 2
Eleventh week	Delivering Online Experience Pros and cons
Twelfth week	digital media P & C 2
Thirteenth week	Marketing Channels and Communication P & C 3
Fourteenth week	Channel Performance Evaluation 1
Fifteenth week	B 2 C internet marketing Eval 2
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Case Presentation	submission date	2021-06-04 Fri
	purpose	You should choose a product or service company and by using the internet (principles of marketing) to elaborate and come up with resourceful insights.		
	procedure & notice	Will be explained during class session		
	references			
The second assignment	assignment	Research Paper	submission date	2021-06-04 Fri
	purpose	Your interested area such as investing stocks, real estate and anything related investment for your own guidance.		
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	BUSINESS STRATEGY		Course Number	JA06028001		
Major / School Year	Division of Business Administration / 4		completion division /Grade evaluation	/		
Department/Professor	Division of Business Administration / 박현준		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number		A weekday / class /	[SO203:월(7-8A),금(7-8A)]			
Office hours		lecture room				

[1] Outline / Purpose

This is an introductory course in strategic management. The course will provide fundamental concepts and frameworks for formulating and implementing strategy to create sustainable competitive advantages.

[2] Course Learning Outcomes

While giving you some analytical approaches that are useful to widely different strategic problems, the course will also enable you to develop an appreciation of strategy as an 'art' that is boldly inventive, necessarily uncertain, and often idiosyncratic. Both analytical ability and creativity will be awarded in the classroom as in real life. The functional skills acquired in earlier courses may be applied to problems that typically face the general manager. In preparing each case, you may be able to improve your strategic insight and knowledge by using the techniques learned throughout the lessons.

By the end of the course, you should be able to understand the managerial process of formulating a detailed, actionable strategy for a firm that recognizes the needs of the industry environment, build firm resources and capabilities to exploit them, and account for organizational resistance to change.

[3] Class Delivery Method

Each week the class lecture will cover the various fields in strategy. It will range from strategic leadership, strategy at the business and corporate level, corporate diversification, and more.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	%	30 %	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Hill, Charles W. & Jones, Gareth R., and Schilling, Melissa A..	Publisher	South-Western Cengage Learning	Textbook	Strategic Management	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	장세진	Publisher	박영사	Textbook	경영전략 제8판	Issued year	2014 0901
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	[Offline] Course Introduction
Second week	[Offline] Case Guidance
Third week	[Online] Chapter 1: Strategic Leadership: Managing the Strategy Making Process (I)
Fourth week	[Offline] Chapter 1: Strategic Leadership: Managing the Strategy Making Process (II)
Fifth week	[Online] Chapter 2: Opportunities and Threats: Analyzing the External Environment
Sixth week	[Offline] Chapter 3: Competencies and Profitability: Analyzing the Internal Resources (I)
Seventh week	[Online] Chapter 3: Competencies and Profitability: Analyzing the Internal Resources (II)
Eighth week	Midterm
Ninth week	[Online] Chapter 5: Strategy at the Business Level (I)
Tenth week	[Offline] Chapter 5: Strategy at the Business Level (II)
Eleventh week	[Online] Chapter 9: Strategy at the Corporate Level
Twelfth week	[Offline] Chapter 10: Corporate Diversification Strategy
Thirteenth week	[Online] Chapter 11: Performance and Governance
Fourteenth week	[Online] Strategic Innovation
Fifteenth week	[Offline] Final Case Paper
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	BUSINESS STRATEGY	Course Number	JA06028002
Major / School Year	Division of Business Administration / 4	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO203:월(8B-9),금(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in strategic management. The course will provide fundamental concepts and frameworks for formulating and implementing strategy to create sustainable competitive advantages.

[2] Course Learning Outcomes

While giving you some analytical approaches that are useful to widely different strategic problems, the course will also enable you to develop an appreciation of strategy as an 'art' that is boldly inventive, necessarily uncertain, and often idiosyncratic. Both analytical ability and creativity will be awarded in the classroom as in real life. The functional skills acquired in earlier courses may be applied to problems that typically face the general manager. In preparing each case, you may be able to improve your strategic insight and knowledge by using the techniques learned throughout the lessons.

By the end of the course, you should be able to understand the managerial process of formulating a detailed, actionable strategy for a firm that recognizes the needs of the industry environment, build firm resources and capabilities to exploit them, and account for organizational resistance to change.

[3] Class Delivery Method

Each week the class lecture will cover the various fields in strategy. It will range from strategic leadership, strategy at the business and corporate level, corporate diversification, and more.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	%	30 %	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Hill, Charles W. & Jones, Gareth R., and Schilling, Melissa A..	Publisher	South-Western Cengage Learning	Textbook	Strategic Management	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	장세진	Publisher	박영사	Textbook	경영전략 제8판	Issued year	2014 0901
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	[Offline] Course Introduction
Second week	[Offline] Case Guidance
Third week	[Online] Chapter 1: Strategic Leadership: Managing the Strategy Making Process (I)
Fourth week	[Offline] Chapter 1: Strategic Leadership: Managing the Strategy Making Process (II)
Fifth week	[Online] Chapter 2: Opportunities and Threats: Analyzing the External Environment
Sixth week	[Offline] Chapter 3: Competencies and Profitability: Analyzing the Internal Resources (I)
Seventh week	[Online] Chapter 3: Competencies and Profitability: Analyzing the Internal Resources (II)
Eighth week	Midterm
Ninth week	[Online] Chapter 5: Strategy at the Business Level (I)
Tenth week	[Offline] Chapter 5: Strategy at the Business Level (II)
Eleventh week	[Online] Chapter 9: Strategy at the Corporate Level
Twelfth week	[Offline] Chapter 10: Corporate Diversification Strategy
Thirteenth week	[Online] Chapter 11: Performance and Governance
Fourteenth week	[Online] Strategic Innovation
Fifteenth week	[Offline] Final Case Paper
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Principles of Management	Course Number	0001296001
Major / School Year	Dept. of Tax & Accounting / 1	completion division / Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3403:월(4-5A),화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in management. The course will provide fundamental concepts and frameworks for formulating implementing and understanding management to provide basic frameworks for the actual world of business.

While giving you some analytical approaches that are useful to widely different problems in the business world, the course will also enable you to develop an appreciation of management. Both analytical ability and creativity will be awarded in the classroom as in real life.

The functional skills acquired in earlier courses may be applied to problems that typically face the general manager. In preparing each chapter, you may be able to improve your management insights and knowledge by using the techniques learned throughout the lessons.

[2] Course Learning Outcomes

By the end of the course, you should be able to understand: fundamental concepts and principles of management, including the basic roles, skills, and functions of management, theoretical aspects and practice application of managerial process, familiar with interactions between the environment, and the ethical dilemmas faced by managers, and the social responsibilities of business.

[3] Class Delivery Method

Each week the class lecture will cover the various fields in the management world. It will range from globalization, production, organizational culture, strategy, and more.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	100 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gulati, Ranjay, Mayo, Anthony J., & Nohria, Nitin	Publisher	Cengage Learning	Textbook	Management	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Course introduction
Second week	Chapter 1: Introduction to Management
Third week	Chapter 2: The Global Business Environment
Fourth week	Chapter 3: Ethics and Corporate Social Responsibility
Fifth week	Chapter 4: Introduction to Strategy
Sixth week	Chapter 5: Business-Level Strategy (I)
Seventh week	Chapter 6: Corporate-Level Strategy
Eighth week	Midterm
Ninth week	Chapter 8: Organizational Culture
Tenth week	Chapter 10: Performance Management
Eleventh week	Chapter 13: Becoming a Leader: Knowing Yourself
Twelfth week	Chapter 14: Motivation
Thirteenth week	Final Group Case Presentation
Fourteenth week	Final Group Case Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PHOTOGRAPHY	Course Number	HC06048001
Major / School Year	School of Fine Arts / 2	completion division / Grade evaluation	/
Department/Professor	School of Fine Arts / 권순학	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ313A:목(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

This class promotes an understanding of photography in contemporary art so that students can actively utilize it in their work production. Also, we reconsider our current identity through the influence of optical images on visual culture.

[2] Course Learning Outcomes

This photography class not only acquires general knowledge about photography so that it can take pictures necessary for daily life or art subjects but also tries a new form of art by experimenting with the scalability of photography and integrating it with other media.

[3] Class Delivery Method

This class aims at a form paralleled by theoretical studies and practices. Historical events or photography techniques become the subject of practical photography assignments, leading to crit-type courses in which all students actively participate in discussions.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	리즈 웰스, 아난 디 라마머시, 마틴 리스터 외 2명	Publisher	두성북스	Textbook	사진 이론 (사진 해석을 둘러싼 논쟁과 실천의 역사)	Issued year	2016
(2)	Author	샬럿 코튼	Publisher	시공아트	Textbook	현대예술로서의 사진	Issued year	2007
(3)	Author	최봉림	Publisher	아카이브북스	Textbook	서양 사진사 32장면 (1826-1955)	Issued year	2011

[Reference books]

(1)	Author	롤랑 바르트	Publisher	동문선	Textbook	밝은 방 사진에 관한 노트	Issued year	2006
(2)	Author		Publisher	이후	Textbook	사진에 관하여	Issued year	2005
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the class
Second week	Contemporary Art and Photography (1): The History of Photography and its Relationship with Art
Third week	Portfolio Photography Workshop – Basic Camera Functions and Controls
Fourth week	Portfolio Photography Workshop – Lighting
Fifth week	Portfolio Photography Workshop – Editing and Composition
Sixth week	Portfolio Photography Workshop – Print
Seventh week	Portfolio assignment presentation
Eighth week	Contemporary Art and Photography (2): Contemporary Photography Artists Part 1 1. Traces of an Action 2. Portraits in Everyday Life 3. Scenes in Narratives 4. Play of Reality and Unreality
Ninth week	Contemporary Art and Photography (2): Contemporary Photography Artists Part 2 5. Found Photographs 6. Social Documentary / New Topography 7. Reinterpretation of Tradition/Medium
Tenth week	feedback on a self-initiative work plan
Eleventh week	progress on self-initiative work
Twelfth week	progress on self-initiative work
Thirteenth week	progress on self-initiative work
Fourteenth week	installation
Fifteenth week	presentation/assessment
Sixteenth week	

[7] Assignments

The first assignment	assignment	평면 복사 포트폴리오	submission date	2022-04-11 Mon
	purpose			
	procedure & notice	포트폴리오 워크샵을 통해 익힌 카메라, 조명, 편집, 프린트를 응용하여 과제를 제출한다. *워크샵 모든 수업 참여 요망		
	references			
The second assignment	assignment	작품 전시 설치	submission date	2022-06-13 Mon
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Contemporary Art Seminar1	Course Number	0010963001
Major / School Year	Major of Painting / 2	completion division / Grade evaluation	/
Department/Professor	School of Fine Arts / 권순학	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ301:수(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

This seminar/art practice class aims students to actively participate in discussions and presentations of discourses in Contemporary art. This develops critical views on the social role of contemporary artists and cultural studies.

[2] Course Learning Outcomes

Students would strengthen their critical ability as an artist, curator and cultural related career by understanding the historic context and trends in the field of art.

[3] Class Delivery Method

Students would prepare presentations and experience contemporary art discourse through discussion and applying to their own practice. Also, this class would aim for practical education of theory and practice which could be utilized in real world.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	introduction to the class
Second week	introduction to modern art
Third week	(seminar)Modernism part 1: early modernism 1 –Eduard Manet, Monet
Fourth week	(seminar)Modernism part 1: early modernism 2 –post impressionism (Van Gogh, Paul Gauguin, Georges Seurat, Paul Cezanne)
Fifth week	Contemporary artist presentation
Sixth week	(art practice)Modernism part 1: early modernism
Seventh week	(art practice)Modernism part 1: early modernism
Eighth week	(crit)Modernism part 1: early modernism
Ninth week	(seminar)Modernism part 2: Golden age 1 –Henri Matisse, Pablo Picasso & Georges Braque
Tenth week	(seminar)Modernism part 2: Golden age 2 –Malevich's absolutism, Piet Mondrian's neoplasticism
Eleventh week	(seminar)Modernism part 3: late modernism – Jackson Pollock, William de Cooning, Mark Rothko
Twelfth week	Contemporary artist presentation
Thirteenth week	(art practice)Modernism part 2/3
Fourteenth week	(art practice)Modernism part 2/3
Fifteenth week	(crit)Modernism part 2/3
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	3 Dimensional Composition	Course Number	0005994001
Major / School Year	Division of Design / 1	completion division / Grade evaluation	/
Department/Professor	Division of Design / 안혜신	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:수(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

Fundamental product design is an introduction to the basic elements of product design.

Lecture covers the definitions, critical reviews of passages, emerging issues of product design and materials and structure of products.

[2] Course Learning Outcomes

Students investigate basic scientific epistemology in connection with the design history, cultural design sociology, and cases. Special emphasis is placed on applied methods of the social aesthetics, ethics and science for envisioning the future design.

Through this course students examine the profiles of the key designers/ design movements/design companies of each era and also study emerging design issues. We will look into application of materials and structure for products.

[3] Class Delivery Method

The course consists of lectures about product design theories and team projects focused on materials and structure.

④ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

④ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

④ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	01. Course Introduction: Basic product design
Second week	02. What is product design / Design in industry and commerce What is product design? Difference between Art and Design Design's contributions to success The power of design Category of Design
Third week	03. Designing the experience Watching design documentary 'Objectified' **Assignment
Fourth week	04. Multinational Corporations and global products Exploring design / philosophy of corporation **Assignment
Fifth week	05. Multinational Corporations and global products: case study Exploring design / philosophy of corporation
Sixth week	06. Product design elements: Aesthetics & Functionality Aesthetic appeal / Emotional appeal Use value and usability / Ergonomics / Safety
Seventh week	07. Product design elements: Materials & Responsibility Product design and materials Production efficiency / Universal design
Eighth week	08. Mid-term exam
Ninth week	09. Materials and Structure I (Field trip) 분당 KIDP Material Center / 인천디자인지원센터
Tenth week	10. Project: Observe I Observing and analyzing target item
Eleventh week	11. Project: Observe II Analyzing user, function and structure of target item
Twelfth week	12. Project: Visualization I (idea sketch) 2D/3D idea sketch
Thirteenth week	13. Project: Visualization II (rough rendering) 2D/3D idea sketch
Fourteenth week	14. Project: Production I (mock-up) Resin / Isopink / Clay / Paper
Fifteenth week	15. Project: Production II (mock-up)
Sixteenth week	16. Final Presentation Final Presentation of Project

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references	
--	------------	--

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	3 Dimensional Composition	Course Number	0005994002
Major / School Year	Division of Design / 1	completion division /Grade evaluation	/
Department/Professor	Division of Design / 안혜신	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:수(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

Fundamental product design is an introduction to the basic elements of product design.

Lecture covers the definitions, critical reviews of passages, emerging issues of product design and materials and structure of products.

[2] Course Learning Outcomes

Students investigate basic scientific epistemology in connection with the design history, cultural design sociology, and cases. Special emphasis is placed on applied methods of the social aesthetics, ethics and science for envisioning the future design.

Through this course students examine the profiles of the key designers/ design movements/design companies of each era and also study emerging design issues. We will look into application of materials and structure for products.

[3] Class Delivery Method

The course consists of lectures about product design theories and team projects focused on materials and structure.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	01. Course Introduction: Basic product design
Second week	02. What is product design / Design in industry and commerce What is product design? Difference between Art and Design Design's contributions to success The power of design Category of Design
Third week	03. Designing the experience Watching design documentary 'Objectified' **Assignment
Fourth week	04. Multinational Corporations and global products Exploring design / philosophy of corporation **Assignment
Fifth week	05. Multinational Corporations and global products: case study Exploring design / philosophy of corporation
Sixth week	06. Product design elements: Aesthetics & Functionality Aesthetic appeal / Emotional appeal Use value and usability / Ergonomics / Safety
Seventh week	07. Product design elements: Materials & Responsibility Product design and materials Production efficiency / Universal design
Eighth week	08. Mid-term exam
Ninth week	09. Materials and Structure I (Field trip) 분당 KIDP Material Center / 인천디자인지원센터
Tenth week	10. Project: Observe I Observing and analyzing target item
Eleventh week	11. Project: Observe II Analyzing user, function and structure of target item
Twelfth week	12. Project: Visualization I (idea sketch) 2D/3D idea sketch
Thirteenth week	13. Project: Visualization II (rough rendering) 2D/3D idea sketch
Fourteenth week	14. Project: Production I (mock-up) Resin / Isopink / Clay / Paper
Fifteenth week	15. Project: Production II (mock-up)
Sixteenth week	16. Final Presentation Final Presentation of Project

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references	
--	------------	--

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	GUI Design	Course Number	0010996001
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 이운형	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2206:월(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

This course helps students acquire the basic knowledge of GUI(Graphic user interface) design for screen-based media, especially smartphones. Students will learn about techniques that will help to generate ideas and how to use digital design tools for GUI design. This course is a practical skill training course rather than a theory course.

[2] Course Learning Outcomes

The purpose of this course is to acquire basic abilities for GUI design through the training of digital design skills.

[3] Class Delivery Method

- Graphic design skill training using basic design tools(Photoshop, Illustrator)
- Concept explications, design practices, tutorials and presentations
- Weekly schedules may be subjected to change

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

- Attendance 20%
- Individual project 60%
- Attitude 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	PPT files will be used	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview, orientation
Second week	Introduction to GUI design – Understanding digital media design : Simplification
Third week	Project 1 : City infographic – Information design and visualization
Fourth week	Project 1 : City infographic – Tutorial
Fifth week	Project 1 :City infographic – Tutorial
Sixth week	Project 1 :City infographic – Presentation
Seventh week	Project 2 : Icon design – Basics of icon design for digital media
Eighth week	Project 2 : Icon design – Tutorial
Ninth week	Project 2 : Icon design – Tutorial
Tenth week	Project 2 : Icon design – Presentation
Eleventh week	Project 3 : Designing weather application – GUI design for mobile phone
Twelfth week	Project 3 : Designing weather application – Tutorial
Thirteenth week	Project 3 : Designing weather application – Tutorial
Fourteenth week	Project 3 : Designing weather application – Tutorial
Fifteenth week	Final presentation, course review
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	GUI Design	Course Number	0010996002
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 이운형	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2206:목(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course helps students acquire the basic knowledge of GUI(Graphic user interface) design for screen-based media, especially smartphones. Students will learn about techniques that will help to generate ideas and how to use digital design tools for GUI design. This course is a practical skill training course rather than a theory course.

[2] Course Learning Outcomes

The purpose of this course is to acquire basic abilities for GUI design through the training of digital design skills.

[3] Class Delivery Method

- Graphic design skill training using basic design tools(Photoshop, Illustrator)
- Concept explications, design practices, tutorials and presentations
- Weekly schedules may be subjected to change

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

- Attendance 20%
- Individual project 60%
- Attitude 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	PPT files will be used	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview, orientation
Second week	Introduction to GUI design – Understanding digital media design : Simplification
Third week	Project 1 : City infographic – Information design and visualization
Fourth week	Project 1 : City infographic – Tutorial
Fifth week	Project 1 :City infographic – Tutorial
Sixth week	Project 1 :City infographic – Presentation
Seventh week	Project 2 : Icon design – Basics of icon design for digital media
Eighth week	Project 2 : Icon design – Tutorial
Ninth week	Project 2 : Icon design – Tutorial
Tenth week	Project 2 : Icon design – Presentation
Eleventh week	Project 3 : Designing weather application – GUI design for mobile phone
Twelfth week	Project 3 : Designing weather application – Tutorial
Thirteenth week	Project 3 : Designing weather application – Tutorial
Fourteenth week	Project 3 : Designing weather application – Tutorial
Fifteenth week	Final presentation, course review
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Design Embodiment Programming	Course Number	0010988001
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:목(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

To cultivate the basic level of C language programming(coding) competency

→ Building a foundation for cultivating Arduino competency to manufacture working product-prototypes

[2] Course Learning Outcomes

To cultivate the basic level of C language programming(coding) competency

→ To relieve fear of computer programming(coding)

→ To build a foundation for cultivating Arduino competency to manufacture working product-prototypes

→ To building a foundation for other computer languages(e.g., Java, Python, etc.) programming competency

[3] Class Delivery Method

To understand concepts

→ To understand examples

→ To practice examples

→ To apply examples

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

Midterm Exam: 40%

Final Exam: 60%

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	Clickup Sharing Platform Slides	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	C Language Configuration 1) vscode 2) C Language Package
Second week	Data Type & Input-Output
Third week	Operator
Fourth week	Negative/Decimal Number & ASCII Code
Fifth week	Negative/Decimal Number & ASCII Code
Sixth week	Condition – if & switch case
Seventh week	Loop – while & for
Eighth week	Loop – while & for
Ninth week	Midterm Exam
Tenth week	Function
Eleventh week	Variable
Twelfth week	Arrangement
Thirteenth week	Arrangement
Fourteenth week	Pointer
Fifteenth week	Pointer
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Design Embodiment Programming	Course Number	0010988002
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:목(011)(012)(013)]
Office hours		lecture room	

[1] Outline / Purpose

To cultivate the basic level of C language programming(coding) competency

→ Building a foundation for cultivating Arduino competency to manufacture working product-prototypes

[2] Course Learning Outcomes

To cultivate the basic level of C language programming(coding) competency

→ To relieve fear of computer programming(coding)

→ To build a foundation for cultivating Arduino competency to manufacture working product-prototypes

→ To building a foundation for other computer languages(e.g., Java, Python, etc.) programming competency

[3] Class Delivery Method

To understand concepts

→ To understand examples

→ To practice examples

→ To apply examples

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	Clickup Sharing Platform Slides	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	C Language Configuration 1) vscode 2) C Language Package
Second week	Data Type & Input-Output
Third week	Operator
Fourth week	Negative/Decimal Number & ASCII Code
Fifth week	Negative/Decimal Number & ASCII Code
Sixth week	Condition – if & switch case
Seventh week	Loop – while & for
Eighth week	Loop – while & for
Ninth week	Midterm Exam
Tenth week	Function
Eleventh week	Variable
Twelfth week	Arrangement
Thirteenth week	Arrangement
Fourteenth week	Pointer
Fifteenth week	Pointer
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Data driven Product Design	Course Number	0010587001
Major / School Year	Division of Design / 3	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2203:월(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

On the basis of understanding and practicing product design methodology (product design concept, process, method & tool), students demonstrate an advanced level of product design.

[2] Course Learning Outcomes

- 1) To demonstrate the advanced level of product design in understanding product design methodology (product design concept, process, method & tool).
- 2) To demonstrate the advanced level of product design in practicing product design methodology (product design concept, process, method & tool).
- 3) To demonstrate the advanced level of product design in developing a target product.

[3] Class Delivery Method

- 1) To understand a theory & knowledge
- 2) To understand examples
- 3) To apply the theory & knowledge → Assignments

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- 1) Midterm Assignment: 40%
- 2) Final Assignment: 60%

Product Design Process

- Stage 0: Preliminary Research: 5%
- Stage 1: Opportunity Identification - Design Problem: 30%
- Stage 2: Idea Generation - Design Solution: 30: %
- Stage 3: Requirements List: 5%
- Stage 4: Concept Design & Design Optimisation: 30%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	PowerPoint Slides & Tool Box	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
	Author		Publisher		Textbook		Issued year	

(5)								
-----	--	--	--	--	--	--	--	--

[Other books]

[6] Weekly lesson plans

First week	Course Introduction – Course Structure, Course Proceeding & Project (Assignment) Product Design Concept, Process & Approach
Second week	Stage 0: Preliminary Research
Third week	Stage 1 (Opportunity Identification) – Market-driven 1 Design
Fourth week	Stage 1 (Opportunity Identification) – User-driven Design
Fifth week	Stage 1 (Opportunity Identification) – Aesthetic-driven Design
Sixth week	Stage 1 (Opportunity Identification) – Engineering-driven Design
Seventh week	Stage 1 (Opportunity Identification) – Market-driven 2 Design – Concurrent Collaborative Design
Eighth week	Stage 2 (Idea Generation) – User-driven Design
Ninth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Tenth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Eleventh week	Stage 2 (Idea Generation) – Engineering-driven Design
	Stage 2 (Idea Generation) – Market-driven 2 Design
	Stage 2 (Idea Generation) – Concurrent Collaborative Design
Twelfth week	Stage 3 (Requirements List)
Thirteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fourteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fifteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Sixteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling

[7] Assignments

The first assignment	assignment	An Advanced Level of Product Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			

	procedure & notice	
	references	

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Data driven Product Design	Course Number	0010587002
Major / School Year	Division of Design / 3	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2203:수(4)(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

On the basis of understanding and practicing product design methodology (product design concept, process, method & tool), students demonstrate an advanced level of product design.

[2] Course Learning Outcomes

- 1) To demonstrate the advanced level of product design in understanding product design methodology (product design concept, process, method & tool).
- 2) To demonstrate the advanced level of product design in practicing product design methodology (product design concept, process, method & tool).
- 3) To demonstrate the advanced level of product design in developing a target product.

[3] Class Delivery Method

- 1) To understand a theory & knowledge
- 2) To understand examples
- 3) To apply the theory & knowledge → Assignments

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- 1) Midterm Assignment: 40%
- 2) Final Assignment: 60%

Product Design Process

- Stage 0: Preliminary Research: 5%
- Stage 1: Opportunity Identification - Design Problem: 30%
- Stage 2: Idea Generation - Design Solution: 30: %
- Stage 3: Requirements List: 5%
- Stage 4: Concept Design & Design Optimisation: 30%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	PowerPoint Slides & Tool Box	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
	Author		Publisher		Textbook		Issued year	

(5)								
-----	--	--	--	--	--	--	--	--

[Other books]

[6] Weekly lesson plans

First week	Course Introduction – Course Structure, Course Proceeding & Project (Assignment) Product Design Concept, Process & Approach
Second week	Stage 0: Preliminary Research
Third week	Stage 1 (Opportunity Identification) – Market-driven 1 Design
Fourth week	Stage 1 (Opportunity Identification) – User-driven Design
Fifth week	Stage 1 (Opportunity Identification) – Aesthetic-driven Design
Sixth week	Stage 1 (Opportunity Identification) – Engineering-driven Design
Seventh week	Stage 1 (Opportunity Identification) – Market-driven 2 Design – Concurrent Collaborative Design
Eighth week	Stage 2 (Idea Generation) – User-driven Design
Ninth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Tenth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Eleventh week	Stage 2 (Idea Generation) – Engineering-driven Design
	Stage 2 (Idea Generation) – Market-driven 2 Design
	Stage 2 (Idea Generation) – Concurrent Collaborative Design
Twelfth week	Stage 3 (Requirements List)
Thirteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fourteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fifteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Sixteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling

[7] Assignments

The first assignment	assignment	An Advanced Level of Product Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			

	procedure & notice	
	references	

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Media Design Project	Course Number	0008777001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 이운형	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2206:화(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course is for students who prepare graduation exhibition 2023, INU division of design (digital media design track). The results of individual projects in this course will be used as a work for the graduation exhibition.

* 2023년도 미디어디자인 전공 트랙 학생들의 졸업작품 제작을 위한 수업으로 해당 전공 학생만 수강 가능

[2] Course Learning Outcomes

This course focuses on the development of individual projects for successful graduation exhibition.

[3] Class Delivery Method

Lectures, design practices and tutorials

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	20 %	0 %	80 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- Attendance 20%
- Individual project 70%
- Attitude 10%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	PPT files and printed materials will be used	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview, orientation
Second week	Digital media design trends
Third week	Digital media design project 1
Fourth week	Digital media design project 2
Fifth week	Digital media design project 3
Sixth week	Digital media design project 4
Seventh week	Digital media design project 5
Eighth week	Mid-term Presentation
Ninth week	Individual project for the graduation exhibition 1
Tenth week	Individual project for the graduation exhibition 2
Eleventh week	Individual project for the graduation exhibition 3
Twelfth week	Individual project for the graduation exhibition 4
Thirteenth week	Individual project for the graduation exhibition 5
Fourteenth week	Individual project for the graduation exhibition 6
Fifteenth week	Final presentation, course review
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Brand Design Project	Course Number	0010475001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 김시연	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ214:수(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

졸업작품을 준비하는 수업으로 브랜드 디자인 프로젝트를 구상하고 디자인한다

[2] Course Learning Outcomes

브랜드 디자인 프로세스 및 관리를 경험한다.

[3] Class Delivery Method

프로젝트 진행 및 크리틱

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	이론강의 프로젝트 아이디어이션
Third week	이론강의 프로젝트 스케치
Fourth week	이론강의 프로젝트 발전 및 크리틱
Fifth week	프로젝트 발전 및 크리틱
Sixth week	프로젝트 발전 및 크리틱
Seventh week	프로젝트 발전 및 크리틱
Eighth week	프로젝트 중간발표
Ninth week	프로젝트 발전 및 크리틱
Tenth week	프로젝트 발전 및 크리틱
Eleventh week	프로젝트 발전 및 크리틱
Twelfth week	프로젝트 발전 및 크리틱
Thirteenth week	프로젝트 발전 및 크리틱
Fourteenth week	프로젝트 발전 및 크리틱
Fifteenth week	프로젝트 최종발표
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Industrial Design Project	Course Number	0010588001
Major / School Year	Division of Design / 4	completion division / Grade evaluation	/
Department/Professor	Division of Design / 조유석	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ214:월(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This class is a graduation exhibition class for product design majors. Students learn the process of understanding design issues and social problems demanded by the industrial society through design thinking methods and creating optimal solutions.

본 수업은 제품디자인 전공 졸업전시 수업입니다. 산업사회에서 요구하는 디자인 이슈와 사회문제를 디자인 씽킹 방법을 통해 이해하고 최적의 솔루션을 만들어가는 과정을 학습합니다.

[2] Course Learning Outcomes

This course purports to discover design themes that reflect industry trends and times, and develop high-quality product designs. Through this class students can study Intuitive design and design logic and insight.

본 수업을 통해 산업의 트렌드와 시대를 반영한 디자인 테마를 발굴하고 고품질의 제품 디자인을 개발하는 것을 목적으로 한다. 디자인의 직관력과 통찰력, 논리력과 균형을 갖춘다.

[3] Class Delivery Method

Design research, analysis

Presentation

Plan for graduation exhibition.

* Progress in connection with 'Product Design Project' class.

디자인 연구 조사 / 분석 / 발표

프리젠테이션

졸업전시 계획

*제품디자인프로젝트 수업과 연계 진행.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	20 %	0 %	70 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	10 %	0 %	0 %	0 %	90 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	교과 오리엔테이션 Course Introduction - 전체 일정/ Master Plan
Second week	디자인 테마 발굴 Discovering theme of design - 개인별 테마 범주 정의/ Define personal thematic categories
Third week	디자인 리서치/ 분석 1 Design research and analysis 1 - 라이프 스타일 트렌드 리서치/ Life style trend research
Fourth week	디자인 리서치/ 분석 2 Design research and analysis 2 - 생활 공간 및 디자인 트렌드 리서치/ Living space & design trend research
Fifth week	디자인 리서치/ 분석 3 Design research and analysis 3 - 기술 및 CMF 리서치/ Tech. & CMF research
Sixth week	디자인 기회영역 설정 Area of design opportunity - 사용자 요구 분석/ User needs analysis - 제품 특성 변화 정의/ Definition of Product Characteristic Change
Seventh week	디자인 개발 1/ Design Development 1 - 아이디어 교환 및 디자인 결과 시뮬레이션/ Idea Critic and developing
Eighth week	중간 디자인 리뷰/ Mid-term Presentation - 컨셉 보드/ Concept Board - 디자인 아이디어 공유/ concept Sharing
Ninth week	디자인 개발 2/ Design Development 2 - 아이디어 스케치/ Idea rough Sketch - 아이디어 평가/ Idea Critic
Tenth week	디자인 개발 3/ Design Development 3 - 디테일 스케치/ Detail Sketch - 아이디어 평가/ Idea Critic
Eleventh week	디자인 개발 4/ Design Development 4 - 컴퓨터 모델링/ Computer Modelling - 디자인 개선/ Design improvement
Twelfth week	디자인 개발 5/ Design Development 5 - 색채 및 소재 시뮬레이션/Image Simulation(Color & Material) - 렌더링/ Rendering
Thirteenth week	디자인 리뷰 및 향후 계획/ Design review and future plans - 컨셉 발표 및 전시 계획/ Presentation and Planning
Fourteenth week	전시계획 협의/ Consultation on exhibition plan - 모델 전시 방법 계획/ Model presentation planning - 전시 홍보 자료 및 방법 회의/ show promotion - 자료 및 이미지 자료 수집/ Data and Image Gathering
Fifteenth week	최종 프리젠테이션 및 졸업전 준비 계획 협의/ Degree show Planning - 전시 판넬 및 레이아웃 계획/ Presentation Panel and layout
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Visual Communication Design Project	Course Number	0008776001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 전해연	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ214:월(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

This class focuses on preparing degree show in visual communication design.

[2] Course Learning Outcomes

- To prepare graduate degree show 2023 in visual communication design.
- To prepare portfolio as a professional designer.

[3] Class Delivery Method

Lecture, Critique, and Design Development

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Graduation Project Development
Third week	Graduation Project Development
Fourth week	Graduation Project Development
Fifth week	Presentation
Sixth week	Graduation Project Development
Seventh week	Graduation Project Development
Eighth week	Graduation Project Development
Ninth week	Graduation Project Development
Tenth week	Presentation
Eleventh week	Graduation Project Development
Twelfth week	Graduation Project Development
Thirteenth week	Graduation Project Development
Fourteenth week	Graduation Project Development
Fifteenth week	Final Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Image Design Project	Course Number	0009499001
Major / School Year	Division of Design / 4	completion division / Grade evaluation	/
Department/Professor	Division of Design / 유동현	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2403:월(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is for students who prepare graduation exhibition, INU division of design.
The results of individual projects in this course will be used as a work for the graduation exhibition.

[2] Course Learning Outcomes

To develop individual skills of visual media design for successful graduation exhibition

[3] Class Delivery Method

- Individual visual media design project for graduation exhibition
- Presentations and critiques
- Individual Tutorial

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course overview, orientation
Second week	Idea concept for the graduation1 : Brainstorming
Third week	Idea concept for the graduation2 : Presentation (1)
Fourth week	Visual media design 1 : Storyboard
Fifth week	Visual media design 2 : Storyboard
Sixth week	Visual media design 3 : Animatics
Seventh week	Visual media design 4 : Sound (Post Production)
Eighth week	Critique 1 : Presentation (2)
Ninth week	1st May : Legal Holiday May Day Workers' Day
Tenth week	Individual project for the graduation exhibition 1 : Main image
Eleventh week	Individual project for the graduation exhibition 2 : Character
Twelfth week	Individual project for the graduation exhibition 3 : Background
Thirteenth week	29th May : the Day of Buddha's Coming
Fourteenth week	Individual project for the graduation exhibition 4 : Motion
Fifteenth week	Individual project for the graduation exhibition 5 : Sound & Post Production Work
Sixteenth week	Critique 2 : Presentation (3) Sample moving image

[7] Assignments

The first assignment	assignment	Presentation (1) Idea Concept	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Presentation (2) Animatics	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment	Presentation (3) Sample moving image	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Product Design Project	Course Number	0008778001
Major / School Year	Division of Design / 4	completion division / Grade evaluation	/
Department/Professor	Division of Design / 조유석	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ214:목(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

This class is for graduation exhibition of product design major.

Through this course student learn creative thinking method and process of design and also study design implementation, material, plan for graduation exhibition.

본 수업은 제품 디자인 전공 졸업 전시 수업으로 디자인에 관련된 문제나 이슈의 창의적 사고 방법과 프로세스를 학습하며 졸업 전시를 위한 디자인 구현, 재료 선택, 전시 계획 등에 대해 연구한다.

[2] Course Learning Outcomes

This course purports to discover design themes that reflect industry trends and times, and develop high-quality product designs. Through this class students can study Intuitive design and design logic and insight.

본 수업을 통해 산업의 트렌드와 시대를 반영한 디자인 테마를 발굴하고 고품질의 제품 디자인을 개발하는 것을 목적으로 한다. 디자인의 직관력과 통찰력, 논리력과 균형을 갖춘다.

[3] Class Delivery Method

Design research, analysis

Presentation

Plan for graduation exhibition.

* Progress in connection with 'Industrial Design Project' class.

디자인 연구 조사 / 분석 / 발표

프리젠테이션

졸업전시 계획

*산업디자인프로젝트 수업과 연계 진행.

㉔ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	20 %	0 %	70 %	0 %	0 %	0 %	0 %

㉕ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	10 %	0 %	0 %	0 %	90 %	0 %

[4] Grading Policies

㉔ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점

· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	교과 오리엔테이션 Course Introduction - 전체 일정/ Master Plan
Second week	디자인 테마 발굴 Discovering theme of design - 팀 구성/ Team building
Third week	연구주제 설정을 위한 조사/ 분석 1 Investigation/analysis for setting research topics 1 - 사용자 라이프 스타일 및 제품 인터랙션 리서치/ User life style research for interactive product & space
Fourth week	연구주제 설정을 위한 조사/ 분석 2 Investigation/analysis for setting research topics 2 - 생활 공간 및 환경 조사/ Living space & environment research
Fifth week	연구주제 설정을 위한 조사/ 분석 3 Investigation/analysis for setting research topics 3 - 소재 및 테크놀로지 조사/ Material & technical road map research
Sixth week	조사 분석 종합 및 컨셉 설정 Research analysis and concept setting - 사용자 요구 분석/ User needs analysis - 제품 페르소나 이입/ Product Persona Imposing
Seventh week	제품디자인 개발 1/ Design Development 1 - 아이디어 교환 및 디자인 결과 시뮬레이션/ Idea Critic and developing
Eighth week	중간 디자인 컨셉 리뷰 및 평가/ Mid-term Presentation - 컨셉 보드/ Concept Board - 디자인 아이디어 공유/ concept Sharing
Ninth week	제품디자인 개발 2/ Design Development 2 - 러프 스케치/ Rough Sketch - 아이디어 평가/ Idea Critic
Tenth week	제품디자인 개발 3/ Design Development 3 - 디테일 스케치 1/ Detail Sketch 1 - 아이디어 평가/ Idea Critic
Eleventh week	제품디자인 개발 4/ Design Development 4 - 디테일 스케치 2/ Detail Sketch 2 - 컴퓨터 모델링/ Computer Modelling
Twelfth week	제품디자인 개발 5/ Design Development 5 - 색채 및 소재 시뮬레이션/Image Simulation(Color & Material) - 렌더링/ Rendering
Thirteenth week	디자인 리뷰 및 향후 계획/ Design review and future plans - 컨셉 발표 및 전시 계획/ Presentation and Planning
Fourteenth week	모델 제작 협의/ Model Making - 모델링 데이터 협의 및 제작성 검토/ Product feasibility check
Fifteenth week	최종 프리젠테이션 및 졸업전 준비 계획 협의/ Degree show Planning - 전시 판넬 및 레이아웃 계획/ Presentation Panel and layout
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Directing 2	Course Number	0003483001
Major / School Year	Dept. of Performing Arts / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Performing Arts / 구태환	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number	01031059909	A weekday / class /	[ST201:수(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

The creative ability and role of directing in the process and the modern theater are recognized as a key part. The creative concept of directing is very important not only in traditional narrative-based plays, but also in modern experimental plays such as image-oriented and non-verbal plays. In directing technique 2, the area of directing, which is gradually becoming specialized in theater production, is learned and the scene is actually directed. Learn the overall production practice.

[2] Course Learning Outcomes

In the process and production work, the focus is on developing the ability of all students to articulate their artistic vision and transform it into theatrical images and concrete actions, and developing supervised imagination. The same emphasis is placed on strengthening the director's capabilities for inclusive leadership

[3] Class Delivery Method

Study the theoretical knowledge of the process and study will experience every student's process and experience every student.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	%	20 %	10 %	10 %	10 %	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	%	%	%	20 %	%	20 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook	Play Directing: Analysis, Communication, and Style	Issued year	2009 0601
(2)	Author	Publisher	집문당	Textbook	연극연출	Issued year	1998 0220
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Routledge	Textbook	Postdramatic Theatre	Issued year	2007 0716
(2)	Author	Publisher	동문선	Textbook	텍스트의 즐거움	Issued year	2002 1020
(3)	Author	Publisher	문예출판사	Textbook	시학	Issued year	2002 1220
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Modern and contemporary performance aesthetics-
Third week	The new art style of modernism
Fourth week	Futurism and DaDa
Fifth week	Sur-Realism and existentialism. Study absurd play.
Sixth week	Avant-Garde and Ned Avant-Garde
Seventh week	Post-Modernism
Eighth week	Mid Term
Ninth week	Scene 1
Tenth week	Scene 2
Eleventh week	Scene 3
Twelfth week	A Study on Contemporary Directors – Text-oriented Directors
Thirteenth week	A Study on Contemporary Director – Image-oriented Director
Fourteenth week	A Study on Contemporary Directors – Post-Avant-Garde
Fifteenth week	Post Drama
Sixteenth week	기말고사

[7] Assignments

The first assignment	assignment	First Read Note	submission date	
	purpose	Read a play once a week and write your own beginner's note.		
	procedure & notice	It is a principle to write freely how to write a first-read note. It's not a rigid way like a book report, but it's a simple and quick way to express your feelings. It's about recording. And not just the words, but the images and drawings are freely on the super-read notebook. It can be written. Make sure to have a notebook that you can own, not a report submission format, and the note size is A4.		
	references			
The second assignment	assignment	Theatre review note	submission date	
	purpose	월 2회 이상 연극관람하고 관극노트 작성		
	procedure & notice	The theater review note is to fill out the performance you watched by date well. Attach the tickets you watched and fill out all the details of the performance. Write what you felt during your performance.		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Directing 2	Course Number	0003483002
Major / School Year	Dept. of Performing Arts / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Performing Arts / 구태환	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number	01031059909	A weekday / class /	[ST201:목(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

The creative ability and role of directing in the process and the modern theater are recognized as a key part. The creative concept of directing is very important not only in traditional narrative-based plays, but also in modern experimental plays such as image-oriented and non-verbal plays. In directing technique 2, the area of directing, which is gradually becoming specialized in theater production, is learned and the scene is actually directed. Learn the overall production practice.

[2] Course Learning Outcomes

In the process and production work, the focus is on developing the ability of all students to articulate their artistic vision and transform it into theatrical images and concrete actions, and developing supervised imagination. The same emphasis is placed on strengthening the director's capabilities for inclusive leadership

[3] Class Delivery Method

Study the theoretical knowledge of the process and study will experience every student's process and experience every student.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	%	20 %	10 %	10 %	10 %	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	%	%	%	20 %	%	20 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook	Play Directing: Analysis, Communication, and Style	Issued year
	Francis Hodge, Michael McLain	Pearson/Allyn & Bacon				2007 0601
(2)	Author 안민수	Publisher 집문당		Textbook	연극연출	Issued year 1998 0220
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook	Postdramatic Theatre	Issued year
	Lehmann, Hans-thies	Routledge				2007 0716
(2)	Author 롤랑 바르트	Publisher 동문선		Textbook	텍스트의 즐거움	Issued year 2002 1020
(3)	Author 천병희	Publisher 문예출판사		Textbook	시학	Issued year 2002 1220
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Modern and contemporary performance aesthetics-
Third week	The new art style of modernism
Fourth week	Futurism and DaDa
Fifth week	Sur-Realism and existentialism. Study absurd play.
Sixth week	Avant-Garde and Ned Avant-Garde
Seventh week	Post-Modernism
Eighth week	Mid Term
Ninth week	Scene 1
Tenth week	Scene 2
Eleventh week	Scene 3
Twelfth week	A Study on Contemporary Directors – Text-oriented Directors
Thirteenth week	A Study on Contemporary Director – Image-oriented Director
Fourteenth week	A Study on Contemporary Directors – Post-Avant-Garde
Fifteenth week	Post Drama
Sixteenth week	기말고사

[7] Assignments

The first assignment	assignment	First Read Note	submission date	
	purpose	Read a play once a week and write your own beginner's note.		
	procedure & notice	It is a principle to write freely how to write a first-read note. It's not a rigid way like a book report, but it's a simple and quick way to express your feelings. It's about recording. And not just the words, but the images and drawings are freely on the super-read notebook. It can be written. Make sure to have a notebook that you can own, not a report submission format, and the note size is A4.		
	references			
The second assignment	assignment	Theater review note	submission date	
	purpose	월 2회 이상 연극관람하고 관극노트 작성		
	procedure & notice	The theater review note is to fill out the performance you watched by date well. Attach the tickets you watched and fill out all the details of the performance. Write what you felt during your performance.		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Football	Course Number	HFA6095001
Major / School Year	Division of Sport Science / 1	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 변경호	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZC102:금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

축구 기초기술 습득 및 전술적 이해도의 증진과 더불어 건강체력 및 축구 전문 체력 향상을 목표로 한다

[2] Course Learning Outcomes

1. 축구 종목의 특성을 이해한다.
2. 축구에 필요한 기초 및 응용 기술을 습득하여 실전에 활용할 수 있다.
3. 축구 경기 참여에 필요한 체력 요소를 알고, 체력향상을 위해 노력한다.
4. 국내 프로축구 문화에 대해 찾아보고 체험할 수 있는 기회를 갖는다.

[3] Class Delivery Method

1. 스트레칭
2. 기초 기술 연습
3. 경기

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook		Issued year
(1)	Thomas Reilly	Routledge		The science of training - soccer		2007
(2)	하재훈 외	대한미디어		축구 동영상 훈련교재		2007
(3)						

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(1)						
(2)						
(3)						
(4)						
(5)						

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	공 다루기 - 축구공을 다룰 수 있는 신체 부위 인지 - 맨발 축구공 뺏기 게임 - 매 수업 시간 반복될 기초 기술 세트 소개 및 연습 무작위 게임 / 평점 부여
Third week	몸 다루기 - 코디네이션 훈련 - 평점에 따른 팀 구분 / 평점부여
Fourth week	공 보내고 받기 - 평점에 따른 팀 구분 / 평점부여
Fifth week	Pass I - 2인 패스, 3인 패스, 4인 패스 - 4각 패스연습 팀원 선발전 *제한사항; 페널티에어리어를 제외한 구역에서 킥할 수 없으며, 상대방이 드리블 시 몸싸움을 통하여 뺏을 수 없음. 단 공을 잡은 사람은 3초 내에 공을 방출해야 함.
Sixth week	Kick - 롱킥 & 트래핑 - 2인, 3인 킥 연습 최종 팀원 선발전
Seventh week	Pass II - 4 vs 2, 6 vs 2 공 돌리기 - 5 vs 5, 7 vs 7 공 돌리기 - 40m x 40m 8 vs 8 패스게임 연습경기
Eighth week	실기평가 - 기초 기술 평가 I
Ninth week	Dribble - 발바닥으로 공 다루기 - 발 안쪽 및 바깥쪽으로 공 다루기 - 빠른 속도를 유지하며 전방으로 공 몰고 나가기 - 방향 전환 및 속임 연결 동작 2 Round; 공을 잡은 사람은 2초 이상 드리블 후 공을 방출해야 함. 상대방이 드리블 시 태클로 저지 불가 함.
Tenth week	Shoot - Shooting과 kicking의 차이는? - 가장 강한 shooting과 가장 위협적인 shooting의 차이는? - 다양한 바운드의 공을 shooting하기 - Shooting Game; 5 vs 5 3 Round; 전/후반 공격, 수비 포지션 바꾸기!
Eleventh week	Cross & shooting - cross와 kick의 차이는? - 직접적인 shooting을 유도할 수 있는 지역은 어디인가? - 공에 회전을 주어 cross 하기 - cross & shooting Game; 전원 참가 4 Round
Twelfth week	Heading - 정확하고 강한 Heading을 위해 고정시켜야 하는 부위는? - Standing heading과 Jumping heading - Cross & Heading Shoot Game 5 Round
Thirteenth week	Throw-in - 실수하기 쉬운 Throw-in 파울! 규칙과 방법 - 가까운 곳에 던지기 - 먼곳에 던지기 - Throw-in 전술 및 게임 6 Round
Fourteenth week	수비 전술 7 Round
Fifteenth week	실기평가 - 드리블 및 슈팅 평가 8 Round
Sixteenth week	

[7] Assignments

The first assignment	assignment	경기 관람 및 분석	submission date	2023-06-09 Fri
	purpose			
	procedure & notice	인천대학교에서 실시되는 홈경기를 관람하고 경기 분석 리포트를 제출한다.		

	references			
The second assignment	assignment	축구일지작성	submission date	2023-06-09 Fri
	purpose			
	procedure & notice	수업 중 배웠던 내용, 경기기록 및 느낀 점 등을 중심으로 자신만의 축구일지를 작성		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Football	Course Number	HFA6095002
Major / School Year	Division of Sport Science / 1	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 변경호	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZC102:금(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

축구 기초기술 습득 및 전술적 이해도의 증진과 더불어 건강체력 및 축구 전문 체력 향상을 목표로 한다

[2] Course Learning Outcomes

1. 축구 종목의 특성을 이해한다.
2. 축구에 필요한 기초 및 응용 기술을 습득하여 실전에 활용할 수 있다.
3. 축구 경기 참여에 필요한 체력 요소를 알고, 체력향상을 위해 노력한다.
4. 국내 프로축구 문화에 대해 찾아보고 체험할 수 있는 기회를 갖는다.

[3] Class Delivery Method

1. 스트레칭
2. 기초 기술 연습
3. 경기

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	100 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook		Issued year
(1)	Thomas Reilly	Routledge		The science of training - soccer		2007
(2)	하재훈 외	대한미디어		축구 동영상 훈련교재		2007
(3)						

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(1)						
(2)						
(3)						
(4)						
(5)						

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	공 다루기 - 축구공을 다룰 수 있는 신체 부위 인지 - 맨발 축구공 뺏기 게임 - 매 수업 시간 반복될 기초 기술 세트 소개 및 연습 무작위 게임 / 평점 부여
Third week	몸 다루기 - 코디네이션 훈련 - 평점에 따른 팀 구분 / 평점부여
Fourth week	공 보내고 받기 - 평점에 따른 팀 구분 / 평점부여
Fifth week	Pass I - 2인 패스, 3인 패스, 4인 패스 - 4각 패스연습 팀원 선발전 *제한사항; 페널티에어리어를 제외한 구역에서 킥할 수 없으며, 상대방이 드리블 시 몸싸움을 통하여 뺏을 수 없음. 단 공을 잡은 사람은 3초 내에 공을 방출해야 함.
Sixth week	Kick - 롱킥 & 트래핑 - 2인, 3인 킥 연습 최종 팀원 선발전
Seventh week	Pass II - 4 vs 2, 6 vs 2 공 돌리기 - 5 vs 5, 7 vs 7 공 돌리기 - 40m x 40m 8 vs 8 패스게임 연습경기
Eighth week	실기평가 - 기초 기술 평가 I
Ninth week	Dribble - 발바닥으로 공 다루기 - 발 안쪽 및 바깥쪽으로 공 다루기 - 빠른 속도를 유지하며 전방으로 공 몰고 나가기 - 방향 전환 및 속임 연결 동작 2 Round; 공을 잡은 사람은 2초 이상 드리블 후 공을 방출해야 함. 상대방이 드리블 시 태클로 저지 불가 함.
Tenth week	Shoot - Shooting과 kicking의 차이는? - 가장 강한 shooting과 가장 위협적인 shooting의 차이는? - 다양한 바운드의 공을 shooting하기 - Shooting Game; 5 vs 5 3 Round; 전/후반 공격, 수비 포지션 바꾸기!
Eleventh week	Cross & shooting - cross와 kick의 차이는? - 직접적인 shooting을 유도할 수 있는 지역은 어디인가? - 공에 회전을 주어 cross 하기 - cross & shooting Game; 전원 참가 4 Round
Twelfth week	Heading - 정확하고 강한 Heading을 위해 고정시켜야 하는 부위는? - Standing heading과 Jumping heading - Cross & Heading Shoot Game 5 Round
Thirteenth week	Throw-in - 실수하기 쉬운 Throw-in 파울! 규칙과 방법 - 가까운 곳에 던지기 - 먼곳에 던지기 - Throw-in 전술 및 게임 6 Round
Fourteenth week	수비 전술 7 Round
Fifteenth week	실기평가 - 드리블 및 슈팅 평가 8 Round
Sixteenth week	

[7] Assignments

The first assignment	assignment	경기 관람 및 분석	submission date	2023-06-09 Fri
	purpose			
	procedure & notice	인천대학교에서 실시되는 홈경기를 관람하고 경기 분석 리포트를 제출한다.		

	references			
The second assignment	assignment	축구일지작성	submission date	2023-06-09 Fri
	purpose			
	procedure & notice	수업 중 배웠던 내용, 경기기록 및 느낀 점 등을 중심으로 자신만의 축구일지를 작성		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Injury Prevention and Management		Course Number	0011083001	
Major / School Year	Division of Health and Kinesiology	/ 2	completion division /Grade evaluation	/	
Department/Professor	Division of Health and Kinesiology	/ 고주필	Grades/Lecture/ Practice	1 / 0 / 2	
Phone Number			A weekday / class /	[SQ402:목(5)(6)]	
Office hours			lecture room		

[1] Outline / Purpose

- Students will be able to select, apply, fit, evaluate, and modify appropriate standard protective equipment and other custom devices for the athlete in order to prevent and/or minimize the risk of injury to the head, torso, spine and extremities for safe participation in sport and/or physical activity.
- Students will be able to demonstrate the ability to establish effective lines of communication to convey information about the athlete's situation and the importance of protective devices to prevent and/or minimize injury.
- Students will be able to demonstrate the ability to assess environmental factors to determine safety of physical activity in a variety of environmental conditions.

[2] Course Learning Outcomes

This skills-based course explores the appropriate utilization and application of preventative, therapeutic, and rehabilitative taping and bandaging used in the athletic training profession. The wrapping and bandaging of various extremities susceptible to injury in sport and activity are emphasized in this course.

[3] Class Delivery Method

Practical laboratory, and lectures

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

no excuse for student who is employed in the semester.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overviews
Second week	Introduction to Taping, Taping & Tearing
Third week	Taping Techniques for the foot & toes
Fourth week	Taping Techniques for the foot & toes
Fifth week	Taping Techniques for the ankle
Sixth week	Taping Techniques for the ankle
Seventh week	Taping Techniques for the ankle
Eighth week	Taping Techniques for the Lower Leg
Ninth week	Taping Techniques for the Lower Leg
Tenth week	Taping Techniques for the knee
Eleventh week	Taping Techniques for the knee
Twelfth week	Taping Techniques for the Thigh, Hip, and Pelvis
Thirteenth week	Taping Techniques for the Thigh, Hip, and Pelvis
Fourteenth week	First Aid Splint & Spine Boarding
Fifteenth week	First Aid Splint & Spine Boarding
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Orthopedic Evaluation and Assessment of the Lower Extremity	Course Number	0011087001
Major / School Year	Division of Health and Kinesiology / 3	completion division /Grade evaluation	/
Department/Professor	Division of Health and Kinesiology / 고주필	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SQ302:화(5B-6),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Each student will demonstrate an understanding of the anatomical nomenclature, injury classifications, the evaluation process, and evaluation documentation in lower extremity. Each student will demonstrate the ability to evaluate range of motion, muscle strength, and neurological status of the lower extremity as measured on written examinations and oral practical evaluations.

[2] Course Learning Outcomes

On-site and clinical assessment of injuries, proper referral, and an understanding of diagnostic equipment utilized in the medical field are included. Critical thinking in realistic scenarios is emphasized.

[3] Class Delivery Method

Practical laboratory, and Lectures

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation & Pre-class test / Introduction
Second week	Injury Evaluation Process
Third week	Injury Evaluation Process
Fourth week	Injury Nomenclature
Fifth week	Injury Nomenclature
Sixth week	Exam#1
Seventh week	Assessment of Posture
Eighth week	Assessment of Posture
Ninth week	Foot and Ankle
Tenth week	Foot and Ankle
Eleventh week	Exam
Twelfth week	Knee
Thirteenth week	Knee
Fourteenth week	TBA
Fifteenth week	TBA
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Sports English		Course Number	0011088001			
Major / School Year	Division of Health and Kinesiology	/ 4	completion division /Grade evaluation	/			
Department/Professor	Division of Health and Kinesiology	/ 성호준	Grades/Lecture/ Practice	2	/	2	/ 0
Phone Number			A weekday / class /	[SQ312:월(7)(8)]			
Office hours			lecture room				

[1] Outline / Purpose

This course is to prepare students internationalization of sport field by learning sport business and industry related English.

[2] Course Learning Outcomes

The purpose of this course is equip students with basic understanding of sport related English.

[3] Class Delivery Method

In class lecture

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	English through media
Third week	English through media
Fourth week	English through media
Fifth week	English through media
Sixth week	English through media
Seventh week	English through media
Eighth week	Mid-term exam
Ninth week	English through media
Tenth week	English through media
Eleventh week	English through media
Twelfth week	English through media
Thirteenth week	English through media
Fourteenth week	English through media
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Exercise Rehabilitation		Course Number	HFC6080001		
Major / School Year	Division of Health and Kinesiology	/ 4	completion division /Grade evaluation	/		
Department/Professor	Division of Health and Kinesiology	/ 고주필	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SQ312:월(1-2A),목(1-2A)]		
Office hours			lecture room			

[1] Outline / Purpose

A systematic approach to exercise program development, techniques, indications and contraindications of exercise, and exercise progression as related to athletic injuries, prevention, reconditioning, and return to play guidelines.

[2] Course Learning Outcomes

You will understand the fundamental concepts of therapeutic rehabilitation. This will include, but not be limited to, restoring range of motion, muscular strength, coordination, proprioception and agility. You will also understand how the foundation concepts are applied to the progression of therapeutic exercise into functional activities.

You will demonstrate the ability to perform a variety of clinical skills used in restoring range of motion, muscular strength, coordination, proprioception and agility. You will also be able to write short-term and long-term rehabilitative goals as well as design therapeutic rehabilitation protocols to be used with a variety of patients/athletes

[3] Class Delivery Method

Practical laboratory, and Lectures

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

no excuse for student who is employed in the semester.

a) Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Peggy A. Houglum	Publisher	Human Kinetics	Textbook	Therapeutic Exercise For Musculoskeletal Injuries	Issued year	2016
(2)	Author	William E. Prentice	Publisher	Mc Graw Hill	Textbook	Rehabilitation Techniques for Sports MEDicine and Athletic Training	Issued year	2010
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	The Basis of Injury Rehabilitation
Third week	The Basis of Injury Rehabilitation
Fourth week	The Basis of Injury Rehabilitation
Fifth week	Achieving the Goals of Rehabilitation
Sixth week	Achieving the Goals of Rehabilitation
Seventh week	Achieving the Goals of Rehabilitation
Eighth week	The Tools of Rehabilitation
Ninth week	The Tools of Rehabilitation
Tenth week	The Tools of Rehabilitation
Eleventh week	Rehabilitation Techniques for Specific Injuries
Twelfth week	Rehabilitation Techniques for Specific Injuries
Thirteenth week	Rehabilitation Techniques for Specific Injuries
Fourteenth week	Rehabilitation Techniques for Specific Injuries
Fifteenth week	General Therapeutic Exercise Application
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH CONVERSATION	Course Number	0003142001
Major / School Year	Dept. of English Language Education / 1	completion division / Grade evaluation	/
Department/Professor	Institute of General Education / 매통	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC602:화(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

To teach basic English conversation while also providing opportunities for students to teach the class.

[2] Course Learning Outcomes

By the end of the course students should be able to teach a basic grammar point and prepare a basic lesson plan.

[3] Class Delivery Method

The class will be delivered using slides and text books. It is expected that students participate by talking to their peers and to the class when required.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	30 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	10 %	0 %	0 %	40 %

[4] Grading Policies

Students will be expected to attend all classes on time and to come to class prepared to participate in English. There will be two speaking exams and a written exam throughout the semester.

If a student is absent 5 times that will be considered as a fail.

lateness will be deducted from the presentation score.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Michael McCarthy	cambridge	touchstone 3	
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction to syllabus Make kakaotalk groups
Second week	Unit 2: past experiences go over teachbacks
Third week	Unit 3: wonders of the world teachback 1 (page 23)
Fourth week	Unit 4: Family life teachback 2 (page 37)
Fifth week	Unit 7 : relationships teachback 3 (page 67)
Sixth week	Unit 8: what if? teach back 4 (page 77)
Seventh week	speaking exam practice sign up for midterm exams
Eighth week	Midterm exam
Ninth week	Unit 9: teach savvy? teachback 5 (page 87)
Tenth week	Unit 10: what's up? teach back 6 (page 99)
Eleventh week	Unit 11: impressions teachback 7 (page 109)
Twelfth week	unit 12: the news teachback 8 (page 119)
Thirteenth week	written test
Fourteenth week	speaking exam practice sign up for final exams
Fifteenth week	final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	midterm exam	submission date	2023-04-25 Tue
	purpose	to evaluate uptake of spoken english		
	procedure & notice	one on one with the teacher		
	references			
The second assignment	assignment	written test	submission date	2023-05-30 Tue
	purpose	to evaluate the uptake of grammar		
	procedure & notice	written in class		
	references			
The third assignment	assignment	final exam	submission date	2023-06-13 Tue
	purpose	to evaluate the uptake of spoken english		
	procedure & notice	one on one with the teacher		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	English Vocabulary Teaching Methods I	Course Number	0010101001
Major / School Year	Dept. of English Language Education / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language Education / 피더슨	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC209:월(7-8A),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to improve student's English vocabulary through reading, listening, and speaking. Students will participate in interactive classroom activities and complete vocabulary homework assignments. Students will be expected to demonstrate their understanding of the content of the class through their scores on quizzes and exams. Students will also be expected to have conversations with the new vocabulary to demonstrate their proficiency.

[2] Course Learning Outcomes

The objective of this course is to greatly expand students' English vocabulary. Students are expected to actively engage in all class activities. Students are expected to engage in cooperative learning by using their creativity as well as their English abilities in classroom activities. Students will also be expected to use the acquired vocabulary in various classroom exercises.

[3] Class Delivery Method

Students are expected to attend class and participate in class discussions. Students who will miss a class must contact the instructor prior to class. Students who miss class regularly will receive lower grades. Tardiness will not be tolerated.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	P. 1–25. Face to face class.
Second week	P. 26–36. Face to face class.
Third week	P. 37– 47. Face to face class.
Fourth week	P. 48–59. Face to face class.
Fifth week	P. 60–71. Face to face class.
Sixth week	P. 72–83. Face to face class.
Seventh week	P. 84–95. Face to face class.
Eighth week	Mid–term Exam. Face to face class
Ninth week	P. 96–107. Face to face class.
Tenth week	P. 108–119. Face to face class.
Eleventh week	P. 120–131. Face to face class.
Twelfth week	P. 132–143. Face to face class.
Thirteenth week	P. 144–155. Face to face class.
Fourteenth week	P. 156–157. Face to face class.
Fifteenth week	Final exam. Face to face class.
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Basic Composition	Course Number	0006785001
Major / School Year	Dept. of English Language Education / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language Education / 이현정	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC208:화(4-5A)] [NC209:수(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to improve basic skills necessary for English writing. By analyzing various types of English texts, students develop appropriate English expressions, correct use of English grammar, and critical thinking skills necessary for English writing. In this course, students can develop the ability to use proper English sentences and develop logical reasoning. The types of English texts covered in this course include academic texts and practical English texts. We start the English writing at the level of a single paragraph and covers essays composed of multiple paragraphs.

[2] Course Learning Outcomes

The purpose of this course is to learn the structure of English writing by analyzing various English texts, and to train students' English writing skills.

[3] Class Delivery Method

Classes are conducted with slides based on textbooks, and students will go through group/individual writing activities. Class materials and announcements are posted on the online classroom (eLearning).

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	20 %	0 %	60 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- *Evaluate 4-5 English writing assignments during the semester.
- *Evaluate the participation, cooperative learning, peer feedback during class.

① Percentage of grade evaluation

Exam	Attendance	Assignment
20 %	20 %	60 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Alice Oshima, Ann Hogue	Pearson Education	3 Longman Academic Writing Series: Paragraphs to Essays (4th edition)	2007
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)	최호성, 유호정, 이진환	한국외국어대학교 지식출판원	The Essence of Writing 2: Genre-based Approach	2018
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	– Course introduction, writing a paragraph – Academic paragraph, analyzing a model paragraph
Second week	– Basic paragraph structure
Third week	– Narrative paragraphs
Fourth week	– Logical division of ideas
Fifth week	– Process paragraphs
Sixth week	– Definition paragraphs
Seventh week	– Cause /effect paragraphs
Eighth week	– Comparison / contrast paragraphs
Ninth week	– Essay organization
Tenth week	– Opinion essays 1
Eleventh week	– Opinion essays 2
Twelfth week	– Writing an email
Thirteenth week	– Writing new letters
Fourteenth week	– 6/6 (Memorial day) – Resumes and cover letters
Fifteenth week	– Resumes and cover letters
Sixteenth week	– Resumes and cover letters

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	American History An Introductory Course	Course Number	0008783001
Major / School Year	Dept. of English Language Education / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language Education / 피더슨	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC208:월(2B-3),수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to familiarize students with American and British history and help students prepare for the written parts of the national teachers examination. As such, this course will focus on how to write responses to specific questions on assigned readings that will vary in length from one paragraph to five paragraphs. The course will consist of instruction on composition mechanics and strategies, discussion of readings, and much time spent on practicing composition skills. As writing is a form of thought, students will be challenged to consider the readings in terms of their implications for the time in question, as well as today, and discuss their thoughts in classroom discussions. In this way, students will have to be practicing all four of the language skill areas.

[2] Course Learning Outcomes

The objective of this course is to greatly expand students' knowledge of American history.

[3] Class Delivery Method

Students are expected to attend class and participate in class discussions. Students who will miss a class must contact the instructor prior to class. Students who miss class regularly will receive lower grades. Tardiness will not be tolerated.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	P. 194–214 Face to face class
Second week	P. 214–234 Face to face class
Third week	P. 234–254 Face to face class
Fourth week	P. 254–274 Face to face class
Fifth week	P. 274–294 Face to face class
Sixth week	P. 294–314 Face to face class
Seventh week	P. 314–334 Face to face class
Eighth week	Mid-term Exam Face to face class
Ninth week	P. 334–354 Face to face class
Tenth week	P. 375–395 Face to face class
Eleventh week	P. 395–415 Face to face class
Twelfth week	P. 415–435 Face to face class
Thirteenth week	P. 455–475 Face to face class
Fourteenth week	P. 475–495 Face to face class
Fifteenth week	P. 495–514 Face to face class
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	English Pedagogy II	Course Number	0004956001
Major / School Year	Dept. of English Language Education / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language Education / 김혜영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358127	A weekday / class /	[NC209:화(2B-3),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course purports to provide prospective ESL/EFL teachers ample opportunities to practice teaching in authentic classroom setting. You will be required to enhance your classroom english and teaching techniques in terms of speaking teacher talk, designing lesson plans, developing lesson objectives and learner centered activities, using interactions(T-S, S-S, 1S-Group), providing feedback, etc.

[2] Course Learning Outcomes

- To plan lessons effectively for ESL&EFL teaching and learning
- To use practical and fluent english for ESL&EFL teaching
- To present best teaching ability in ESL&EFL classroom

[3] Class Delivery Method

- Week 1~4 : Understanding and developing basic abilities for teaching
- Week 5~8 : Pre-&While-reading/writing/speaking/listening activities
- Week 9~12 : Post-reading activities
- Week 13~16 : Micro-teaching(20min. per person)

※ There will be video recordings of your demonstrations and micro-teaching.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	10 %	0 %	80 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	30 %	0 %	20 %	0 %	10 %	20 %

[4] Grading Policies

Your demonstrations on week 4, 8, 12 will be the basis of evaluating the improvement in your teaching ability compared to what you had on the 1st week. It will account for 40% of the total evaluation. Your lesson plans, micro-teaching, and peer feedbacks on the last 4 weeks(week 13~16) will account for 40% of the total evaluation. Rubric Your attendance will account for the rest of the evaluation.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
1 %	20 %	79 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	2018 Joseph Shin's book	Issued year
(2)	Author	Publisher	Textbook	Middle school textbook(3)	Issued year
(3)	Author	Publisher	Textbook	High school textbook(1)	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Middle School English Texts of the 2nd and 3rd level	Issued year
(2)	Author	Publisher	Textbook	High School English Text of the 1st level	Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction Diagnosis of english proficiency and teaching skill [Group work & Practice]
Second week	Lesson flow Lesson plan [Group work & Practice]
Third week	Teacher talk Designing activity [Group work & Practice]
Fourth week	Teaching demonstration Peer feedback & Coaching [Demonstration & Feedback]
Fifth week	Pre-reading/writing/speaking/listening activity Motivating & Schema activation [Group work & Practice]
Sixth week	Pre-reading/writing/speaking/listening activity Teaching vocabulary [Group work & Practice]
Seventh week	While-reading activity Graphic organizer [Group work & Practice]
Eighth week	Teaching demonstration Pre- & While-reading activity Peer feedback & Coaching [Demonstration & Feedback]
Ninth week	Post-reading activity • Form teaching [Group work & Practice]
Tenth week	Post-reading activity Speaking/Writing activity [Group work & Practice]
Eleventh week	Post-reading activity Personalization Speaking/Writing activity [Group work & Practice]
Twelfth week	Teaching demonstration Post-reading activity Peer feedback & Coaching [Demonstration & Feedback]
Thirteenth week	Lesson plan Peer feedback Micro-teaching
Fourteenth week	Lesson plan Peer feedback Micro-teaching
Fifteenth week	Lesson plan Peer feedback Micro-teaching
Sixteenth week	Lesson plan Peer feedback Micro-teaching

[7] Assignments

The first assignment	assignment	Lesson Plan	submission date	
	purpose	학습주도성을 키우고 성찰 습관을 키운다		
	procedure & notice	Submit revised lesson plan after receiving feedbacks.		
	references			
The second assignment	assignment	Peer feedback	submission date	
	purpose			
	procedure & notice	Provide peer feedback after watching others performances.		
	references			
The third assignment	assignment	Micro-teaching	submission date	
	purpose	수업구성 능력을 키운다		
	procedure & notice	Present task-based instruction as a teaching performance.		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	English Presentation	Course Number	0004184001
Major / School Year	Dept. of English Language Education / 2	completion division /Grade evaluation	/
Department/Professor	Institute of General Education / 매튜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC209:금(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

To teach how to present well to the class in a clear, entertaining and informative way while keeping a close consideration to your audience.

[2] Course Learning Outcomes

By the end of the course students should be able to design a well organized and clear presentation and deliver it confidently.

[3] Class Delivery Method

we will be using PPT slides, worksheets and books while discussing and practicing with our peers in class.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	20 %	0 %	0 %	20 %

[4] Grading Policies

Students should come to class ready to participate in English. Participation points will be deducted if students are not participating to their best.

5 absences will be considered a fail for the course.

there will be two spoken tests and one written test throughout the semester.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Liana Robinson	Publisher	seed learning	Textbook	speaking for presentations 2	Issued year	2019
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the syllabus sign up for kakaotalk groups
Second week	Unit 1: my favorite thing the elevator pitch and brainstorming choose your presentation topic for the semester
Third week	unit 2: my book review presentation introductions
Fourth week	practice your presentation introduction unit 3: my favorite club hooks (effective openings)
Fifth week	practice your hook and opening unit 4: GM food body of presentation
Sixth week	work on the body of your presentation unit 5: a great invention transitions
Seventh week	practice for your midterm exam (hook, intro and body)
Eighth week	midterm exam
Ninth week	practice your presentation film and send to partner. unit 6: an experience that changed my mind
Tenth week	unit 8: making it better conclusions
Eleventh week	practice your presentation with conclusions unit 9: a challenge i overcame body language
Twelfth week	unit 12: the future designing powerpoint slides
Thirteenth week	written test final practice in front of class with recording and feedback
Fourteenth week	work on your final presentations in class
Fifteenth week	final exam (final presentations)
Sixteenth week	

[7] Assignments

The first assignment	assignment	midterm exam	submission date	2023-04-21 Fri
	purpose	to evaluate the beginning of a presentation		
	procedure & notice	in front of the class		
	references			
The second assignment	assignment	written test	submission date	2023-05-26 Fri
	purpose	to evaluate the terms and know-how about presentations		
	procedure & notice	in class written		
	references			
The third	assignment	final exam	submission date	2023-06-09 Fri
	purpose	to evaluate a complete presentation		

assignment	procedure & notice	in front of class
	references	

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Urban Data Mining	Course Number	0011135001
Major / School Year	Dept. of Urban Policy and Administration / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 이동우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2406:월(7-8A),화(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course will provide you with an introduction to the burgeoning field of data analysis and related research methods. We will cover approaches and techniques for obtaining, organizing, exploring, and analyzing data using elements of statistics, machine learning, and statistical computing. While these tools are applicable across many different fields, this course will focus primarily on applications to the social sciences.

[2] Course Learning Outcomes

By the end of this course, students should successfully be able to:

- Understand basic concepts of statistics and probability.
- Comprehend methods needed to analyze and critically evaluate statistical arguments.
- Recognize the importance of statistical ideas.
- Experience with Statistical Package (EXCEL, SPSS, STATA, and Python)

[3] Class Delivery Method

Combining Lecture and Lab

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Baseline technical skills necessary for taking course – 1
Second week	Baseline technical skills necessary for taking course – 2 Types of Data and Charts
Third week	Introduction to statistics – 1 – Excel
Fourth week	Intro. to Statistics & Statistical Inference
Fifth week	Descriptive Statistics & Basic Probability – SPSS
Sixth week	Frequency Distributions and Histograms
Seventh week	An Introduction to Probability
Eighth week	Mid-term
Ninth week	Conditional Probability Independence
Tenth week	Statistical Analytics tools – Python – STATA
Eleventh week	Regression – 1
Twelfth week	Regression – 2
Thirteenth week	Introduction to data science – Python
Fourteenth week	Python data analysis – Basics
Fifteenth week	Term-paper presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Urban Environment Policy	Course Number	0008787001
Major / School Year	Dept. of Urban Policy and Administration / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 김현우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358874	A weekday / class /	[SY2406:월(2B-3),수(2B-3)]
Office hours	Thursday 14:00 – 16:00 or by appointment	lecture room	

[1] Outline / Purpose

This course is designed to discuss diverse environmental issues that occur in contemporary urban areas. Students will learn theories, policies, and various approaches related to managing and solving environmental problems in a sustainable way. The past/current urban plans and policies in terms of water resources management, air quality, green space, ecosystem, noise, energy, as well as artificial and natural hazards will be examined. Urban resiliency and climate change will be further discussed in this course.

During the COVID-19 (Coronavirus) situation, the non-face classes can be conducted in the following ways (the course style may change depending on the school's policy):

- LMS (or eLearning; cyber.inu.ac.kr) will be used for this period. Students are required to log-in the website during the class time.
- Course lectures (PPTs or videos) will be uploaded on the eLearning.
- Students will individually read (or watch) lecture slides before the class, and there will be always simple discussion questions and/or assignments at the end of each lecture slide that you may need to respond.
- Your attendance will be covered by providing answers for these questions during the class (or after the class) and participating the real-time chatting room, which will be also created on eLearning.
- During the real-time lecture, students are required to turn on the Zoom video.
- A separate folder will be created every week on eLearning, where you can answer the questions. I will let you know the due date during the class when to submit the responses.
- Please regularly check the 'Notice' for our class on eLearning.
- If you have any questions during or after the class, do not hesitate to contact me through Kakao Talk, e-mail, or eLearning message.

[2] Course Learning Outcomes

Urban environmental issues are becoming more crucial in current society. Upon completion of this course, students will:

1. build a basic knowledge of urban environmental planning and management in Korea.
2. understand the nature and scope of urban environment and ecosystem in a planning context.
3. learn various techniques in measuring environmental values.

[3] Class Delivery Method

Regular lectures regarding urban environmental issues will be given in the first half section of this class. Second half of the class will discuss various up-to-date environmental issues and policies in many developed cities. Several class discussions will be held during the class and an active participation is highly recommended. Students will read various environmental research papers. Through the final team project, students will present their works with regard to multiple global warming challenges.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	20 %	10 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	70 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

- Attendance : 20%
- Exam : 25% per each exam (Mid-term and Final Exam; A total of 50%)
- Assignment 1~2 : 30% (A total of 1~2 assignments, including oral-presentations)

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Kang Min ah et al.	Daeyoung-sa	Environmental Policy	2017
(2)	Kang Eun Sook et al.	Yoonsung-sa	Understanding Environmental Policies in the Age of Climate Change	2022
(3)				

[Reference books]

(1)	Author	Byungyi Yang	Publisher	Seoul National University Press	Textbook	Creating Green City	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	– LMS: Class orientation & introduction – Environmental challenges and issues I
Second week	– Environmental challenges and issues II
Third week	– Current environmental policies + climate change
Fourth week	– Concepts/characteristics of Korean environmental policies – Water / Air / Soil / Natural Resources
Fifth week	– Environmental and energy policy/planning in U.S.
Sixth week	– Smart environmental technologies in various countries – Student presentation (Asgn. #1)
Seventh week	– Paradigm of environment and economy – Environmental problems and market failure – Mid-term exam review
Eighth week	– Midterm Exam
Ninth week	– Concepts, causes, and impacts of global warming
Tenth week	– History of urban green space planning in Korea
Eleventh week	– Urban park & green (open) space planning – Landscape planning
Twelfth week	– Green infrastructure & low impact development
Thirteenth week	– Sustainable development and green growth – Low carbon urban planning and management
Fourteenth week	– Hazards and disaster planning – Student presentation (Asgn. #2) – Final exam review
Fifteenth week	– Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Smart Environmental Policies in Other Countries	submission date	
	purpose	Understand and learn environmental strategies in the world		
	procedure & notice	Students will submit a short report with regard to smart urban environmental issues in Korea and other countries.		
	references	Main textbook; Internet		
The second assignment	assignment	Environmental Issue Debate	submission date	
	purpose	Group discussion about recent/urgent environmental issues		
	procedure & notice	Students will group into four and discuss urgent debatable environmental problems. If non-face class is conducted, this assignment may change.		

	references	Internet: Newspaper: etc.		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Urban Research Analysis Methods	Course Number	0011129001
Major / School Year	Dept. of Urban Policy and Administration / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 김현우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2406:월(5B-6),수(5B-6)]
Office hours	Thursday 14:00 – 16:00 or by appointment	lecture room	

[1] Outline / Purpose

This course is designed to help our department students to learn the introductory empirical analysis procedures and understand basic social science research processes. Students will learn the comprehensive social research methods and practices focusing on quantitative and qualitative approaches. Particularly, research design, setting hypothesis, sampling, ratio, and data management/analysis techniques will be taught during the class, in order to promote students' experimental design ability. This course requires pre-requisite and other department students need permission from the professor before taking the course.

During the COVID-19 (Coronavirus) situation, the non-face classes can be conducted in the following ways (this may change depending on the school's policy):

- LMS (or eLearning; cyber.inu.ac.kr) will be used for this period. Students are required to login the website during the class time.
- Real-time Zoom communication will be mostly used.
- Course lectures (PPTs or videos) will be uploaded on the eLearning.
- Students will individually read (or watch) lecture slides before the class, and there will be always simple discussion questions and/or assignments at the end of each lecture slide that you may need to respond.
- Your attendance will be covered by providing answers for these questions during the class (or after the class) and participating the real-time chatting room, which will be also created on eLearning.
- A separate folder will be created every week on eLearning, where you can answer the questions. I will let you know the due date during the class when to submit the responses.
- Please regularly check the 'Notice' for our class on eLearning.
- Students are required to turn-on the video while conducting the real-time class.
- If you have any questions during or after the class, do not hesitate to contact me through Kakao Talk, e-mail, or eLearning message.

[2] Course Learning Outcomes

After completing this course, students will develop a sufficient foundation from which they can begin to conduct their own quantitative and qualitative analyses.

Students will also critically evaluate the statistical analyses of others and understand statistical journal articles more fluently after the class.

[3] Class Delivery Method

Class will be held on a regular lecture style. Class discussions and exercises on statistical analyses will be conducted during the class.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	10 %	0 %	10 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	60 %	0 %	0 %	0 %	20 %	0 %

[4] Grading Policies

- Attendance : 20%
- Exam : 30% per each exam (Mid-term and Final Exam; A total of 60%)
- Assignment (Exercises) : 20%

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Earl Babbie	Publisher	Cengage Learning	Textbook	The Practices of Social Research, 13th Edition	Issued year	2012
(2)	Author	Yoonhwan Park	Publisher	Yoonsung-sa	Textbook	Basic Statistics for the Social Sciences	Issued year	2023
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Douglas Shafer, Zhiyi Zhang	Publisher	Flatworld Knowledge	Textbook	Introductory Statistics	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	– LMS: Course Introduction & Overview – LMS: What is Social Research?
Second week	– Research Processes
Third week	– Research Questions
Fourth week	– Hypothesis – Visit central library (Learning how to search research articles)
Fifth week	– Research Design Types
Sixth week	– Sampling, Index, Scale
Seventh week	– Field Research, Survey, Public Data – Quantitative & Qualitative Analyses
Eighth week	– Midterm Exam
Ninth week	– What is Statistics? – Variation, Graphing Data, Central Tendency
Tenth week	– Variability, Standardization, Z-Scores – Correlation – Class Exercise 1
Eleventh week	– Hypothesis Test – Population Estimation – Class Exercise 2
Twelfth week	– R Practice – Class Exercise 3
Thirteenth week	– T-test, ANOVA, Regression Analysis – Class Exercise 4
Fourteenth week	– R Practice 2 – Class Exercise 5 – Final Exam Retehe the view
Fifteenth week	– Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Class Exercises	submission date	
	purpose	Students will conduct simple statistical analyses during the class.		
	procedure & notice	Students will conduct simple statistical analyses during the class by using Excel and R.		
	references	Class Lectures		
The second assignment	assignment	Develop Research Conceptual Model	submission date	
	purpose	Consider ideas for students thesis.		
	procedure & notice	Students will find issues that can be applied in their graduation thesis and present the conceptual model.		

	references	Internet: Journal papers: etc.		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Public Open Data Management	Course Number	0011127001
Major / School Year	Dept. of Urban Policy and Administration / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 이동우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2405:월(2B-3),화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to provide students with a basic understanding of statistics, that is the ability to describe various publicly accessible big-data (open-data sources) and draw inferences about them. It should also sharpen individual intuition about how to read data, interpret data, and judge others' claims about data.

[2] Course Learning Outcomes

Specifically, skills to be developed include the abilities to:

1. characterize population data intuitively for oneself and others
2. draw conclusions and novel inferences from population data
3. check assumptions of others' claims and debug their putative "facts", and
4. develop stories from data

[3] Class Delivery Method

Combining lecture and lab

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course introduction
Second week	<ul style="list-style-type: none"> - Data Science Roles - Stages in a Data Science Project - Applications of Data Science in various fields
Third week	<ul style="list-style-type: none"> - Data Collection Strategies - Data Pre-Processing Overview
Fourth week	<ul style="list-style-type: none"> - Data Cleaning - Data Integration and Transformation
Fifth week	<ul style="list-style-type: none"> - Data Reduction - Data Discretization.
Sixth week	Descriptive Statistics <ul style="list-style-type: none"> - Mean, Standard Deviation - Skewness and Kurtosis - Box Plots - Pivot Table - Heat Map - Correlation Statistics
Seventh week	Storytelling with Data – 1
Eighth week	Mid-term
Ninth week	Term-paper topic selection
Tenth week	Public open data access
Eleventh week	Public open data – Open API
Twelfth week	Storytelling with Data – 2
Thirteenth week	Data visualization – spatial analysis
Fourteenth week	Data visualization – charts
Fifteenth week	Term-paper presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Urban Environment Big Data Analysis	Course Number	0011133001
Major / School Year	Dept. of Urban Policy and Administration / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 김현우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2405:화(4-5A),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This class will be a practical course that deals with multiple social research methods. Students will understand urban environmental big data fundamentals and learn various analysis techniques using text mining, R, Python, and GIS. Prerequisite courses: "Quantitative Research Methods" (or "Urban Research Methods") and "GIS and Spatial Analysis" from the Department of Urban Policy & Administration.

[2] Course Learning Outcomes

After finishing this course, students will learn:

1. basic skills regarding text mining and statistical analysis.
2. green space connectivity and spatial analysis.
3. big data sources and data processing.

[3] Class Delivery Method

Regular lectures + classroom activities

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance: 20%

Exam: 40% (1 mid-term exam + 1 final project)

Assignment: 40% (2-3 individual/team assignments)

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Lee Sung Min	Publisher	Yoonsung-sa	Textbook	Big Data Analytics-Methodologies for Human Sciences	Issued year	2019
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher	Hanbit Academy	Textbook	Computational Thinking and Python for Problem Solving	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	- Course Orientation + Introduction - Understanding Data
Second week	- Planning Data Analysis - Text Mining 1
Third week	- Data Analysis Basics - Text Mining 2
Fourth week	- Data Mart & Pre-processing - Text Mining 3
Fifth week	- Statistical Analysis - Text Mining 4
Sixth week	- Data Mining - Assignment #1
Seventh week	- Green Infrastructure & Green Space Connectivity - Conefor 1
Eighth week	- Mid-term Exam
Ninth week	- Green Space Connectivity Analysis - Conefor 2
Tenth week	- Conefor 3
Eleventh week	- Urban Greenery - Assignment #2
Twelfth week	- Python Practice 1
Thirteenth week	- Python Practice 2 - Team Meeting
Fourteenth week	- Python Practice 3 - Team Meeting
Fifteenth week	- Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Architectural Design Basics 1	Course Number	0009517001
Major / School Year	Division of Architecture & Urban Design / 1	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 김한규	Grades/Lecture/ Practice	3 / 0 / 6
Phone Number		A weekday / class /	[SY2503:수(1-2A)(2B-3)(4-5A)(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

The goal of this design studio is to enable students who are new to architecture to acquire problem-solving skills through design. It also aims to cultivate basic modes of architectural representation, architectural elements, human scale through collaborative design process and individual design exercises.

[2] Course Learning Outcomes

Students can understand and apply basic concepts and processes of design using various materials and techniques. Through materials and themes familiar to everyday life, students gain an understanding of structures and materials and acquire problem-solving methods. Learn how to communicate these processes effectively. (SPC7)

[3] Class Delivery Method

Desk-crits, presentation, field trip, lectures, case studies
Sketchbook

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Francis D.K. Ching	Publisher	Wiley	Textbook	DesignDrawing	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course
Second week	Project 1
Third week	Project 1
Fourth week	Project 1
Fifth week	Project 1
Sixth week	Project 1
Seventh week	Project 1 Final Review
Eighth week	Project 2
Ninth week	Project 2
Tenth week	Project 2
Eleventh week	Project 2
Twelfth week	Project 2
Thirteenth week	Project 2
Fourteenth week	Project 2
Fifteenth week	Project 2 Final Review
Sixteenth week	Portfolio

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENVIRONMENTAL PLANNING IN ARCHITECTURE(1)	Course Number	EPE6122001
Major / School Year	Major of Architectural Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 박상훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class / lecture room	[SY2404A:목(5B-6)] [SY2603:화(7-8A)]
Office hours			

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	BUILDING MATERIALS	Course Number	EPE6037001
Major / School Year	Major of Architectural Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 장정국	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358472	A weekday / class /	[SY2404A:월(7-8A),목(7-8A)]
Office hours	Fri 2-5pm	lecture room	

[1] Outline / Purpose

This course introduces a general overview of basic building materials in terms of properties, manufacturing methods and uses, which can affect structural performance and functionality of buildings. Especially, this course covers the social needs for performance improvement of building materials, provide basic knowledge on materials selection for planning, design and construction of buildings.

[2] Course Learning Outcomes

- To understand characteristics, manufacturing methods and uses of building materials
- To understand mechanical property, durability and environmental impact of building materials used with various purposes
- To provide students with an introduction to the recently developed novel materials and its application

[3] Class Delivery Method

- Lectures on basic theory of building materials
- Assignments for case study of building materials

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	0 %	20 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	0 %	0 %	0 %	0 %	80 %	0 %

[4] Grading Policies

1. Midterm exam: 30%, Final exam: 30%
2. Attendance 20%
3. Assignment: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Architectural Institute of Korea	Publisher	Architectural Institute of Korea	Textbook	Building Materials	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction of building materials
Second week	Cement
Third week	Cement
Fourth week	Admixture
Fifth week	Aggregate and water
Sixth week	Fresh concrete
Seventh week	Hardened concrete
Eighth week	Midterm exam
Ninth week	Special concrete & concrete product
Tenth week	Timber
Eleventh week	Metallic materials
Twelfth week	Clay, brick, masonry, glass
Thirteenth week	Plastic and insulation materials
Fourteenth week	Team project
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Novel building materials & technology	submission date	
	purpose	To improve the understanding of novel building materials & technology		
	procedure & notice	PPT group presentation		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Construction Cost Management	Course Number	0011149001
Major / School Year	Major of Architectural Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 구충완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2603:월(5B-6)] [SY2607:화(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

1. Understanding of project and contract administration (e.g., delivery/procurement/payment methods, cash flow)
2. Understanding of quantity surveying methods by element and cost estimation methods by phase
3. Understanding of construction cost management practice

[2] Course Learning Outcomes

This course will provide a general understanding of construction cost management, including project and contract administration as well as quantity surveying and cost estimation methods. When entering the field of business, students will be the experts who can perform effective project management with the expertise of cost planning and management.

[3] Class Delivery Method

1. Lecture : Theory of quantity surveying and cost estimation methods
2. Tutorial : Practice of quantity surveying and cost estimation methods
3. Evaluation: Examination (mid-term/final), attendance, assignment

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	30 %	20 %	0 %	0 %	0 %

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %

[4] Grading Policies

[Evaluation]

1. Mid-term exam (30%), Assignment (20%), Final exam (30%)
2. Recommended list of material that students can bring to the examination venue: Electronic calculators

[Attendance]

1. Deduction of 1 point out of 20 points by absence
2. 3 late arrivals equal to 1 absence
3. For more than 4 absences, attendance score will be zero point

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Wayne J. Del	Publisher	RSMeans	Textbook	Estimating Building Costs (2nd edition)	Issued year	2012
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	CMAA	Publisher	CMAA	Textbook	Cost Management Guidelines	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	* Topic: Orientation & construction cost management * Contents: Main concept of construction cost management * Source: Handout
Second week	* Topic: Smart building technologies in the 4th industrial revolution * Contents: Real cases of living-lab project management (carbon neutrality in construction, worker's heat stress, VR-based safety training, occupant-centered facility management, biometrics, visual SLAM, other cases) * Source: Handout
Third week	* Topic: Fundamentals of project and contract administration * Contents: Construction project management, bid package, and construction project contract * Source: Handout
Fourth week	* Topic: Construction project delivery methods * Contents: Project delivery, design-bid-build, design-build, CM-at-risk, and integrated project delivery * Source: Handout
Fifth week	* Topic: Construction project procurement procedure and tender evaluation * Contents: procurement procedure, tender evaluation, and practice for best value * Source: Handout
Sixth week	* Topic: Construction project payment and cost management * Contents: Fixed price contract, cost reimbursement contract and comparison of project payment * Source: Handout
Seventh week	* Topic: Construction project cash flow (1/2) * Contents: Main concept of cash flow (S curve, progress report) * Source: Handout
Eighth week	* Topic: Construction project cash flow (2/2) * Contents: Main concept of cash flow (retainage, cost/benefit) * Source: Handout
Ninth week	* Topic: Mid-term exam (out of 30) & Assignment (out of 20) * Contents: Cumulative scope (3-8 weeks) * Source: Handout
Tenth week	* Topic: Professional cost management practice * Contents: Masterformat, Uniformat, RSMMeans, and professional practice * Source: Handout
Eleventh week	* Topic: Fundamentals of quantity surveying and temporary work * Contents: Fundamentals and quantity surveying in temporary work * Source: Handout
Twelfth week	* Topic: Earth work * Contents: Quantity surveying in earth work * Source: Handout
Thirteenth week	* Topic: Reinforced concrete work (1/2) * Contents: Quantity surveying for concrete mix * Source: Handout
Fourteenth week	* Topic: Reinforced concrete work (2/2) & other works * Contents: Quantity surveying for concrete & formwork by element and other works * Source: Handout
Fifteenth week	* Topic: Final exam (out of 30) * Contents: Cumulative scope (10-14 weeks) * Source: Handout
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			



Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	BUILDING EQUIPMENT(1)	Course Number	EPE6024001
Major / School Year	Major of Architectural Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 박상훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2603:화(5B-6),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	BIM-based construction information management	Course Number	0007810001
Major / School Year	Major of Architectural Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 이슬비	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2603:월(7-8A),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers the fundamental concepts, roles, and functions of Building Information Modeling (BIM) for construction project management.

[2] Course Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Model their buildings using BIM tools and analyze the model applying nD analysis tools.
2. Discuss how the construction industry will change due to the introduction of BIM.

[3] Class Delivery Method

This course will be delivered face to face in principle; however, it may be subject to change depending on the COVID situation.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	BIM and Virtual Design in Construction
Third week	3D Modeling 1
Fourth week	3D Modeling 2
Fifth week	3D Modeling 3
Sixth week	Tutorials: Villa Savoye
Seventh week	Midterm Project
Eighth week	Special Lectures: 2D to 3D
Ninth week	BIM-based Quantity Takeoff
Tenth week	BIM-based Cost Estimation
Eleventh week	BIM-based Time Management
Twelfth week	MS Project
Thirteenth week	4D modeling: Navisworks
Fourteenth week	Final Project 1
Fifteenth week	Final Project 2
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	STRUCTURAL EXPERIMENT(1)	Course Number	EPE6096001
Major / School Year	Major of Architectural Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 장정국	Grades/Lecture/ Practice	3 / 0 / 6
Phone Number	0328358472	A weekday / class /	[SY1101:수(4-5A)(8B-9)] [SY2607:(5B-6)(7-8A)]
Office hours	Fri 2-5pm	lecture room	

[1] Outline / Purpose

The objective of this course is to understand the behavior of concrete and steel which are widely used as structural building materials. This course will focus on studying standard test methods for concrete and steel, and conduct experiments for concrete and steel materials. Students will learn and practice how to analyze the experimental results according to KS and building codes.

[2] Course Learning Outcomes

- To understand test methods for concrete and steel materials
- To conduct experiments for concrete and steel materials
- To analyze experimental results of concrete and steel materials

[3] Class Delivery Method

- Lectures on test concepts for material and structure
- Investigation and presentation of test methods in detail
- Fabrication of concrete specimen and steel
- Test of concrete specimen and steel, analysis of result, presentation
- Offline classes are the principle, but online classes are parallel according to quarantine measures

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	10 %	0 %	70 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	0 %	0 %	0 %	0 %	80 %	10 %

[4] Grading Policies

1. Investigation, presentation and discussion of test methods (KS): 10%
2. Assignment: 10%
3. Presentation and discussion of test results: 30%
4. Exam: 30%
5. Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	– Introduction of the course – Laboratory safety training
Second week	– Review on concrete materials (1)
Third week	– Review on concrete materials (2)
Fourth week	– Statistics (including Quiz)
Fifth week	– Standard test method for aggregate
Sixth week	– Practice: Aggregate test
Seventh week	– Concrete mix design (including Report)
Eighth week	– Practice: Concrete mixing, fabrication of specimen, testing fresh concrete
Ninth week	– Steel reinforcement
Tenth week	– Practice: Concrete strength test at 14 days
Eleventh week	– Practice: Tension test for steel reinforcement
Twelfth week	– Practice: Concrete strength test at 28 days
Thirteenth week	– Behavior of concrete
Fourteenth week	– Group presentation for experimental results
Fifteenth week	– Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Investigation of standard test methods for concrete and steel	submission date	
	purpose	To understand KS test methods of concrete and steel		
	procedure & notice	Investigation and presentation of a KS test method per person		
	references	KS F2403, KS F2405, KS F2423, KS F2408, KS D3504, KS B0801, KS B0802		
The second assignment	assignment	Presentation of tensile test result for steel	submission date	
	purpose	To understand tensile test method of steel and to draw stress–strain curve		
	procedure & notice	Presentation of tensile test result for steel by group		
	references			
The third assignment	assignment	Presentation of test results of concrete material	submission date	
	purpose	To calculate compressive strength and tensile strength of concrete		
	procedure & notice	Presentation of test results for concrete by group		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Design Studio3	Course Number	0006630001
Major / School Year	Major of Architecture and Urban Design / 3	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 유영수	Grades/Lecture/ Practice	4 / 0 / 8
Phone Number		A weekday / class /	[SY2604:월(1)(2)(3)(4),목(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

Studio3 deals with public buildings serving as social infrastructures in a neighborhood. Various social infrastructures including a community library, a child care center, a small cultural space and even a cafe or a small shop, deliver their own service and at the same time, bring social benefits such as improvement of security and livability in neighborhood community and prevention of social isolation through encouraging the social interaction(Klinenberg, 2018). Students in this course are required to suggest a proper social infrastructure for a community in old city area and to explore the spatial strategies for strengthening the publicity. The design project of Studio3 is 'Remodeling', not newly built project. While the built environment and buildings in a city remain for a long time, activities using the space rapidly varies according to social change. This temporal gap is widening due to new technologies and demographic changes in our society and thus architects are asked to response this issue. In this course, students try to enhance the value in use of a building and ultimately the history of city accumulated over time through re-setting new functions for a underutilized building and choosing maintenance/modification of the existing structure.

[2] Course Learning Outcomes

학령인구가 급격히 줄고 있는 인천 구도심 지역의 학교시설 일부의 활용하여 커뮤니티 도서관을 계획하되 지역의 도시환경적, 인 구학적 특성 등을 체계적으로 분석하여 세부적인 프로그램 및 공간계획의 방향을 도출한다. (SPC9 조사 및 분석)

신체적 약자의 시설의 접근과 건물 내 이동, 자유롭고 자율적인 이용을 보장하기 위한 설계적 해법과 관련 법령의 기준을 이해하 고 적용한다. (SPC11 무장애 설계)

기존 시설의 공간구성 및 구조 시스템, 재료, 주변과의 경관적 연계, 내외부의 이용 행태 등을 면밀하게 조사/평가하고, 이를 기초 로 기존 건축물의 가치 증폭하기 위한 활용 방식과 범위를 제시한다.(SPC14 리모델링 설계)

[3] Class Delivery Method

3 Steps – Research / Project Proposal / Design

1) Research:

- To investigate and analyze the site and existing building, and the neighborhood community
- To identify the requirements of the community, the potentialities of the site and the conditions to be considered

2) Project Proposal:

- From the findings of 1st step Research and case studies, to suggest the main idea and strategies for the project
- To figure out the range of the project, space program and size, and detailed design conditions

3) Design:

- Conceptual Design – the layout of site, mass plan, program and spatial organization
- Design Development

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	0 %	0 %	80 %	0 %	0 %	10 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	10 %	0 %	90 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Provided materials	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Slococock, Habib. (2020). Being in a Good Place: Investing in Social Infrastructure, Community Links. Publications – Community Links (community-links.org)
 Studio Gang Architects. (2016). Civic Commons: Reimagining Our Cities Public Assets
<https://studiogang.com/publication/civic-commons>

[6] Weekly lesson plans

First week	Studio 3 Introduction – Introduce the theme and purpose of the course and schedule – Brief of the purpose and methods of case studies and site analysis
Second week	Research 1 – Presentation of case study 1 remodeling project cases – Field Trip: site and cases
Third week	Research 2 – Presentation of case study 2: program cases – Presentation of site analysis: the neighborhood community and site
Fourth week	Research 3 – Presentation of site analysis: the existing building spatial organization, structure, materials
Fifth week	Project Proposal 1 – Design concept of project from user characteristics, proposal and re-interpretation of program, identity of space and place
Sixth week	Project Proposal 2 – Identify of Project: social function, space program, scale – Set the main design conditions
Seventh week	Conceptual Design 1 – Site layout, reuse strategies of existing structure, Spatial strategies – Conceptual model and diagrams
Eighth week	Conceptual Design 2 – Mass studies, development spatial organization – Study model and schematic plan and section
Ninth week	Mid-term Review
Tenth week	Research 4 – Lecture: Barrier-free
Eleventh week	Design Development 1 – Check and apply barrier-free design guideline – Develop plan and section plan
Twelfth week	Design Development 2 – Review structural plan and modify plan and section – Develop elevation and material plan
Thirteenth week	Design Development 3 – Detail design of main space
Fourteenth week	Preparation of presentation – panel layout and final model – review diagrams and drawings
Fifteenth week	Term Review
Sixteenth week	Submission of Portfolio

[7] Assignments

The first assignment	assignment	Case studies remodeling, library	submission date	2023-03-23 Thu
	purpose	Understand remodeling work and community public institution		
	procedure & notice	1) 실제 프로젝트를 통해 리모델링의 다양한 방식과 범위 이해 2) 최근 새롭게 정의되는 커뮤니티 공공시설물의 종류와 공간특성 학습		

		*2인 1조, PT 20장 내외		
	references			
The second assignment	assignment	대상지 및 기존 건축물 분석	submission date	2023-03-30 Thu
	purpose	설계 조건 및 설계 개념의 도출		
	procedure & notice	대상지의 물리적/비물리적 여건의 구조적인 분석 - 도시적 맥락: 도시기능, 입지, 지역의 도시 조직 특성, 가로경관, 통행 등 - 사회적 맥락: 인구, 경제, 기타 지역사회 특성 - 대지 분석: 규모, 지형, 향, 인접대지 - 기존 건축물 분석: 규모, 구조, 노후도, 기존 용도, 재료		
	references			
The third assignment	assignment	무장애 설계 기준 및 사례 조사	submission date	2023-05-04 Thu
	purpose			
	procedure & notice	편의 시설 종류 별 기준 및 적용 사례 조사 및 발표 *2인 1조, PT 20장 내외		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Sustainable Urbanism	Course Number	0006673001
Major / School Year	Major of Architecture and Urban Design / 3	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 김한규	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2501:월(5B-6),화(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Today, more than half of the world's populations live in cities and cities are responsible for 80% of the world's energy consumption. As a professional of designing of such built environments, we must be capable of understanding the key issues in environmental challenges and its solutions. In this context, this course aims for students to understand the basic principles and technical applications of sustainable design from the scale of buildings to blocks and cities. We will investigate how buildings and cities are correlated in terms of sustainable design. We will explore the ideas of sustainability through various applications from vernacular architecture to contemporary building and city design. We will look into key issues related to climate change, energy, resiliency, water, transportation, natural resources, high performance buildings, etc.

[2] Course Learning Outcomes

Students should be able to:

- Understand the fundamentals of sustainable urban and architectural design principles from an interdisciplinary perspective.
- Understand the roles and functions of technologies in sustainable design in building and city scale.
- Understand the role of design practice in relation to environmental challenges.

(SPC6- Sustainable Architecture & City)

[3] Class Delivery Method

- The course will be consisted of three modules; module1:sustainable building fundamentals, module2:sustainable urbanism, module3:application case studies
- Lecture, case studies, discussion, student presentations, critique
- Assigned reading materials.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Douglas Farr	Publisher	Wiley	Textbook	Sustainable Urbanism	Issued year	2008
(2)	Author	Mark Dekay and G.Z. Brown	Publisher	Wiley	Textbook	Sun, Wind & Light – architectural design strategies	Issued year	2014
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Adam Ritchie, Randall Thomas	Publisher	Taylor & Francis	Textbook	Sustainable Urban Design(2nd edition)	Issued year	2009
(2)	Author	Walter Grondzik	Publisher	Routledge	Textbook	Green Studio Handbook	Issued year	2018
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Social role, building and city
Second week	Urban form, structure and sustainability
Third week	Sustainable building fundamentals 1
Fourth week	Sustainable building fundamentals 2
Fifth week	Sustainable sites (Urban regeneration, preservation)
Sixth week	Sustainable urbanism 1 – Process and tools, public engagement
Seventh week	Sustainable urbanism 2 – Density
Eighth week	Sustainable urbanism 3 – Neighborhoods (transportation, mixed-use development, street guidelines, etc)
Ninth week	Sustainable urbanism 4 – Biophilia (water, waste, natural resources)
Tenth week	Sustainable urbanism 5 – High performance buildings and infrastructures(energy)
Eleventh week	Case presentation – 1
Twelfth week	Case presentation – 2
Thirteenth week	Case presentation – 3
Fourteenth week	Issues and trends in sustainable urbanism and architecture
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Digital Architecture2	Course Number	0008793001
Major / School Year	Major of Architecture and Urban Design / 3	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 김진호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2306:화(2)(3),금(2)]
Office hours	Right after class	lecture room	

[1] Outline / Purpose

Digital architecture design and presentation skills can empower by using Building Information Modeling (BIM) program, such as Autodesk Revit Architecture. Understanding paradigm shift from two dimensional to three dimension information based smart design is required in the architecture, engineering, and construction industry.

[2] Course Learning Outcomes

Students can expand digital application abilities such as three dimensional design, time based simulation, 3D printing, scheduling of material quantity and price using the tutorial in the Revit Architecture. The class goal is based on the SPC 20 of KAAB.

[3] Class Delivery Method

1. Tutorial based leecture based on Autodesk Revit Architecture program.
2. Assignment: Select one of the representative house such as Villa Savoye or Fanthworth House and finish construction using the Revit Architecture Program. **Taking Digital Architecture 1 class is highly recommended before taking this class.** (Non-facing Class will be held on the first and second week)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	60 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	20 %	0 %	0 %	0 %	80 %	0 %

[4] Grading Policies

Assignment #1, 3D Modeling and Presentation: 30 points
 Assignment #2, 3D Pen Practice & Reverse Engineering: 10 points
 Midterm and Final Exam: 20 points each

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	James Vandezande, Eddy Krygiel	Sybex	Mastering Autodesk Revit Architecture 2016	2019
(2)	San Ri Ji Eun	Ki-Mun-Dang	BIM Revolution	2020
(3)	Kim, Marcus	John Wiley and Sons	Mastering Autodesk Revit 2017 for Architecture	2008

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Lee, Se Hoon	Digital Books	Revit Architecture 2016	2017
(2)	BIMS	BIM Sung-An-Dang	Revit Workbook: Electrical Service Practice Guide	2022
(3)	Park, Hyun Soo	BIM Sung-An-Dang	Revit Workbook: Architecture BIM Practice Guide	2014
(4)	Lee, Kang	Pixel House	BIM with 43 Questions	2020
(5)	Jang, Dong Soo	Bok-Du Publisher	Dynamo	2019

[Other books]

* YouTube tutorial is highly recommended in order to know the tutorials further.

[6] Weekly lesson plans

First week	Introduction & Orientation / 2D based CAD vs 3D based Revit (BIM Tool) (Non-facing Class will be held. Recorded class will be distributed)
Second week	Understanding of Parametric Design / View in Revit (Non-facing Class will be held. Recorded class will be distributed)
Third week	Understanding of Layer / Wall in Revit / Assignment #3
Fourth week	Understanding of Host / Ceiling & Floor in Revit
Fifth week	Understanding of 3D Printing / Window & Curtainwall
Sixth week	Understanding of Phasing / Ramp & Stair
Seventh week	Midterm Exam / Assignment #2
Eighth week	Understanding of Documentation / Bringing CAD into Revit, Labeling
Ninth week	Understanding of Schedule / Drawing sheet, Area, Material-Takeoff etc. / Assignment #3
Tenth week	Understanding of Euclidian and Non-Euclidian Geometry / Volume
Eleventh week	Understanding of Contour & Site Elements
Twelfth week	Understanding of Energy Analysis / Practice of Assignment #1
Thirteenth week	Practice of Assignment #1
Fourteenth week	Practice of Assignment #1
Fifteenth week	Final Exam
Sixteenth week	Make-Up Class if needed

[7] Assignments

The first assignment	assignment	3D Modeling and Presentation	submission date	
	purpose	Understanding BIM advantages and its possibilities		
	procedure & notice	1. Choose one of the famous buildings in 20th century and construct in Revit Program by understanding structure, envelope and its context. 2. Develop A0 format presentation panel out of the scaled drawings and renderings. 3. Develop A3 format documentation out of produced sheets.		
	references			
The second assignment	assignment	3D Pen Practice & Reverse Engineering	submission date	
	purpose	Understanding non-Euclidian geometry & reverse engineering and its possibilities		
	procedure & notice	1. 3D pen will be distributed by the lecturer and returned back when the practice is over.		
	references			
The third assignment	assignment	Green BIM	submission date	
	purpose	Understanding the interrelation of green design with the support of BIM		
	procedure & notice	1. The articles will be distributed by the lecturer and the contents will be included in the midterm and final exams. 2. One article is assigned to each exam.		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	STRUCTURAL MECHANICS(1)	Course Number	EPD6017001
Major / School Year	Dept. of Civil and Environmental Engineering / 3	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 허종완	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SI337:월(1)(2),수(1)]
Office hours		lecture room	

[1] Outline / Purpose

평형 방정식으로 풀어낼 수 있는 정정 구조물의 부재력 및 처짐을 구하는 구조해석 방법을 습득한다.

[2] Course Learning Outcomes

정정구조물의 전통적인 해석방법을 습득한다.

[3] Class Delivery Method

판서로 강의를 진행한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	R.C.Hibbeler	Publisher	Prentice Hall	Textbook	Structural Analysis	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Chapter 1 Chapter 2
Second week	Chapter 2
Third week	Chapter 2 Chapter 3
Fourth week	Chapter 3 Quiz 1
Fifth week	Chapter 3 Chapter 4
Sixth week	Chapter 4
Seventh week	Chapter 4 Quiz 2
Eighth week	Midterm Exam
Ninth week	Chapter 5
Tenth week	Chapter 5 Chapter 6
Eleventh week	Chapter 6 Quiz 3
Twelfth week	Chapter 7
Thirteenth week	Chapter 7 Chapter 8
Fourteenth week	Chapter 8
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	IoT in Construction System	Course Number	0011194001
Major / School Year	Dept. of Civil and Environmental Engineering / 3	completion division / Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 우상인	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SJ123:수(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

This class "IoT in Construction System" mainly deals with sensors (such as temperature sensors, pressure sensors, and water level sensors), actuators (such as motors, pumps, heaters, and solenoids), and microcontrollers (such as Arduino and Raspberry Pi) that can be used in actual field works in civil and environmental engineering. During the class, students will learn how to connect sensors, actuators, and microcontrollers and how to control the system by applying programming codes. At the end of the class, there will be a term project where the students will unite their ideas to make a meaningful sensor-actuator system in the construction system.

[2] Course Learning Outcomes

- Understanding basic electrical wiring
- Capability to understand sensor-actuator-microcontroller systems
- Understanding mechanism of sensors and actuators
- Ability to measure physical quantities using sensors
- Ability to control actuators by passing signals from a microcontroller

[3] Class Delivery Method

Practice in a lab. (Please bring your laptop in the class)

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

o Evaluation Portions

- * Attendance: 20%
- * Assignments: 50% (In-class Assignments 25%, Project: 20%, Attitude: 5%)
- * Exam: 30%

o Attendance (20%)

- * Attendance section has total 20 points following the university regulation 56-2
- * 3 absences = 1 point deduction
- * If the absent hours are equal to or greater than 1/3 of total class hours, a student will fail in this class following the university regulation 56-3

o Assignments

* In-class Assignments (25%)

- For each class, there is a performance-based evaluation
- It will be easy; you should pass it if you focus on the class
- Instructor will NOT help you directly; its your job

* Project (20%)

- Proposal presentation: 5%
- Final presentation: 15%

* Attitude (5%)

- Dress code will be enforced for the safety reasons in the lab
- Pant or skirt must cover your low body starting your ankle
- No sleeveless top is allowed in the class
- You need to cover your body as much as possible
- You will get 1% deduction if you wont keep the dress code

* No running, throwing, and mischief in the lap

- Or, you will get 1% deduction

o Exam (30%)

- * Mechanisms of sensors and actuators
- * Arduino coding practices in given situations

@ Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook	Lecture notes (provided by the instructor)	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation (including group setting and safety issues)
Second week	Basics of Arduino C programming
Third week	Water level sensors
Fourth week	Solenoids
Fifth week	Strain gauges and scales
Sixth week	Temperature sensors
Seventh week	Heaters
Eighth week	Pressure sensors
Ninth week	Distance sensors
Tenth week	Motors and pumps
Eleventh week	Combinations of sensors and actuators
Twelfth week	Term project 1: proposal presentation
Thirteenth week	Term project 2: consulting with the instructor
Fourteenth week	Term project 3: final presentation
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

	assignment	In-class assignments at every class	submission date	
	purpose			

The first assignment	procedure & notice	<ul style="list-style-type: none"> - For each class, there is a performance-based evaluation - It will be easy; you should pass it if you focus on the class - Instructor will NOT help you directly; it's your job 		
	references			
The second assignment	assignment	Term project	submission date	
	purpose			
	procedure & notice	- Proposal and final presentations		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Water supply systems	Course Number	0011197001
Major / School Year	Dept. of Civil and Environmental Engineering / 3	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI337:월(4)(5),수(8)]
Office hours		lecture room	

[1] Outline / Purpose

In this course, students will be educated about the physical water supply systems. In order to supply abundant quantities of high-quality water to the residents, it is necessary to develop the water resources, to treat the raw water, and to carry the purified water to the consumers with stable water supply systems.

[2] Course Learning Outcomes

1. Understanding the whole process of water supply systems: water resources (river and lake), water intake, water purification, water transmission and water distribution systems.
2. Learning the basic water supply system with high water quality and training the basics and mechanism of the water supply systems and water purification
3. Design of water supply systems by practice of pipe network using EPA-NET simulation model

[3] Class Delivery Method

1. Presentation using PPT and practice for numerical analysis modeling included.
2. Assignments & exams.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	70 %	0 %	10 %	0 %	20 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Malcolm J. Brandt, K. Michael Johnson, ... Don D. Ratnayaka	IWA	Twort's Water Supply	2016
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction & overview
Second week	1. Basic design & plan of water supply systems
Third week	2. Water Demand
Fourth week	3. Water resource and intake facilities
Fifth week	4. Transmission and distribution systems (1)
Sixth week	4. Transmission and distribution systems (2)
Seventh week	5. Draft design of water supply systems
Eighth week	Mid term project
Ninth week	6. Water treatment
Tenth week	Field trip (Water treatment Plant)
Eleventh week	7. Theory of Water distribution modeling
Twelfth week	8. Practice of EPANET (1)
Thirteenth week	8. Practice of EPANET (2)
Fourteenth week	Design of water supply system
Fifteenth week	Final term exam Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	HYDRO INFORMATICS	Course Number	0001450001
Major / School Year	Dept. of Civil and Environmental Engineering / 4	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI434:수(2)(3),목(5)]
Office hours		lecture room	

[1] Outline / Purpose

1. Learn how to use the program for various water flows, and make it practical for use. In addition, theories and practices can be connected and utilized.
2. Understand the water flow and Learn about the boundary conditions to interpret it.
3. Understand the basic pipe network configuration and the requirements for the pipe network analysis.
4. Increase the availability of hydraulic information through computer-based software training.

[2] Course Learning Outcomes

Improve the applying skills by learning the numerical analysis model and solve the actual problem in field. Designs of real hydraulic structures for hydrological, hydraulics systems are performed by computer model, it can improve the overall understanding of flood estimation and hydraulic analysis.

[3] Class Delivery Method

1. Face to face lecture – Some video clips can be provided in the E-learning system.
2. Presentation using PPT and practice for numerical analysis modeling included.
3. Theoretical lectures and computer simulation exercises included. There are individual project, mid-term and final exams.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	50 %	0 %	0 %	0 %	30 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course instructions and Introduction of Hydroinformatics
Second week	Fundamental Equation of Flow and Computer Based Analysis
Third week	Introduction to Water Engineering Hydrological Analysis
Fourth week	Rainfall Analysis & Rainfall Intensity, Practice (FARD) (1)
Fifth week	Rainfall Analysis & Rainfall Intensity, Practice (FARD) (2)
Sixth week	Practice (HEC-HMS) for Analyzing Watershed Systems (1)
Seventh week	Practice (HEC-HMS) for Analyzing Watershed Systems (2)
Eighth week	Mid-Term Exam
Ninth week	Introduction to Water Engineering River Hydraulics
Tenth week	Practice (HEC-RAS) for River Analysis (1)
Eleventh week	Practice (HEC-RAS) for River Analysis (2)
Twelfth week	Introduction to Water Engineering : Urban Drainage System (1)
Thirteenth week	Introduction to Water Engineering : Urban Drainage System (2)
Fourteenth week	Application of Numerical Analysis Model to the Real Site
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Sustainable Air Quality Management	Course Number	0011211001
Major / School Year	Dept. of Environmental Engineering / 2	completion division / Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 이희관	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN104:월(2B-3)] [SY2307:수(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

The air on the earth has been the domain of the air pollution and even the climate change recently while our human beings have been developing. As well know, the industrial revolution in the modern history was one of remarkable timelines for the aggravation of the air quality. The urbanization, which has been a very common trend over the world, has been another turning point and driven our concern onto the air quality management.

Since we have been suffering from various air pollution issues, we haven't got that much information related to its health risk which gives us the actual impact to our human beings. The recent issue of HAPs is the example that we need to deal with.

The air quality management is also relied on the air modeling approach due to its unbounded characteristics. High progress of computer development would be quite beneficial for the issue of accuracy enhancement. Students will be required to learn the basic coding skill as well as the modeling skill using open source codes of air quality models.

The last significant one is the climate change that has been occurring even in a global dimension, while producing quite a number of unknown and unexpected changes in the air environment. In this course, the attendee will be introduced into the world of the air environment and taught for the fundamentals of air pollution. This will be a prerequisite course for following related courses.

The complicate structure of the atmosphere and the air pollution mechanism will require the continuous monitoring and various air quality monitoring techniques have been widely applied to watch air quality status in any place where necessary. The understanding of the technologies will be required for students.

[2] Course Learning Outcomes

- Understand the fundamentals of air quality and pollution mechanism
- Understand the characteristics and structure of the atmosphere
- Understand the dispersion of air pollution
- Understand modeling techniques for air quality
- Understand the principals of air monitoring techniques
- Prepare / equip the capability for following air related courses
- Practice the manner of scientific communication via term project

[3] Class Delivery Method

- Fundamental contents will be provided by lecture with advanced reading material
- Students will be requested to search any related updates to the lecture contents
- Term project work will be also crucial to integrate lecture and current in practice, even including international partnering

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	10 %	0 %	0 %	10 %	10 %	0 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	50 %	0 %	20 %	0 %	10 %	0 %

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Air quality, Thad Godish, Lewis Publishers, 2004
 Air pollution meteorology and dispersion, S. Pal Arya, Oxford, 1999
 Fundamentals of stack gas dispersion, Milton R. Beychok, 1994
 . . . , 2011
 Extra course material

[6] Weekly lesson plans

First week	I. A.	Air quality introduction The atmosphere
Second week	I. B.	Air quality introduction Air pollution and pollutants
Third week	I. C.	Air quality introduction Air quality impacts
Fourth week	II. A. B.	Air pollution transport Atmospheric structure and dynamics Pollutant diffusion and dispersion
Fifth week	II. C. D.	Air pollution transport Pollutant transformation and deposition Long-range transport
Sixth week	III. A.	Air quality modeling Source model
Seventh week	III. B.	Air quality modeling Receptor model
Eighth week	III. C. D.	Air quality modeling Zonal model Statistical model
Ninth week	IV. A. B.	Air quality control (for next course) Particulate air pollutants Gaseous air pollutants
Tenth week	V. A. B.	Air quality measurement Air quality sampling and analysis Air quality and meteorology monitoring
Eleventh week	V. C.	Air quality measurement 2 weeks Site visit
Twelfth week	VI. A.	Air quality management Air quality standards
Thirteenth week	VI. B. C.	Air quality management Air emission inventory and analysis Air quality improvement plan
Fourteenth week	VII. A.	Course evaluation 2 weeks Term project conference

Fifteenth week	VII. Course evaluation B. Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Weekly assignment	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Term project report & presentation	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Environmental Remediation Engineering	Course Number	0006874001
Major / School Year	Dept. of Environmental Engineering / 4	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 김철용	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2302:화(5),목(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

Environmental remediation includes the processes to remove pollution or contaminants from groundwater and soil. Environmental remediation is becoming more important nationally and globally because of many emerging subsurface contamination cases.

[2] Course Learning Outcomes

- Understanding the principles and mechanisms of environmental remediation processes
- Learning the fate of environmental contaminants in the subsurface

[3] Class Delivery Method

- Lecture using powerpoint slides

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	10 %	0 %	0 %	0 %	10 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	0 %	0 %	0 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Chunlong (Carl) Zhang	Publisher	Wiley	Textbook	Soil and Groundwater Remediation	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	LaGrega et al.	Publisher	Waveland Pr Inc	Textbook	Hazardous Waste Management	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Groundwater & soil characteristics
Third week	Aquifer hydrology
Fourth week	Contaminant characteristics
Fifth week	Fate of subsurface contaminants 1
Sixth week	Fate of subsurface contaminants 2
Seventh week	Physical remediation processes 1
Eighth week	Mid-term exam
Ninth week	Physical remediation processes 2 Chemical remediation processes 1
Tenth week	Chemical remediation processes 2
Eleventh week	Chemical remediation processes 3
Twelfth week	Biological remediation processes
Thirteenth week	Other remediation options Case study
Fourteenth week	Case study
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Biology foundation(1)	Course Number	0006753002
Major / School Year	Division of Life Sciences / 1	completion division /Grade evaluation	/
Department/Professor	Division of Life Sciences / 박준태	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF406:월(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Basic knowledge of biology is an indispensable discipline as a basic education in modern society. Therefore, this course is a course that students who want to enter the Department of Natural Sciences and want to major in biology, as well as students majoring in mathematics, physics, and chemistry, which are other fields of study, should basically take this course.

[2] Course Learning Outcomes

The important contents included in this course include 1) the unit of life, 2) the basic characteristics of living organisms, and 3) the interactions between living things at the group level other than the population or the relationship between living things and the environment 4) genetic engineering and biology I want to teach contents about the application of engineering, etc.

[3] Class Delivery Method

This lecture summarizes the important contents of each chapter and also examines practical applications.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	10 %	0 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	0 %	0 %	0 %	70 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	W. H. Freeman	Textbook	Life: The Science of Biology Twelfth Edition	Issued year	2020
(1)	David M. Hillis; Craig H. Heller; Sally D. Hacker; David W. Hall; Marta J. Laskowski; David E. Sadava						
(2)							
(3)							

[Reference books]

No.	Author	Publisher	Textbook	Life : the science of biology 12th edition	Issued year
(1)					
(2)					
(3)					
(4)					
(5)					

[Other books]

[6] Weekly lesson plans

First week	Introduction Chapter 1. Studying Life Chapter 2. Small Molecules and the Chemistry of Life
Second week	Chapter 3. Proteins, Carbohydrates, and Lipids Chapter 4. Nucleic Acids and the Origin of Life Chapter 5. Cells: The Working Units of Life
Third week	Chapter 6. Cell Membranes Chapter 7. Cell Communication and Multicellularity
Fourth week	Chapter 8. Energy, Enzymes, and Metabolism Chapter 9. Pathways that Harvest Chemical Energy
Fifth week	Mid-term exam1 Chapter 10. Photosynthesis: Energy from Sunlight
Sixth week	Chapter 11. The Cell Cycle and Cell Division Chapter 12. Inheritance, Genes, and Chromosomes
Seventh week	Chapter 13. DNA and Its Role in Heredity Chapter 14. From DNA to Protein: Gene Expression
Eighth week	No class Mid-term exam2
Ninth week	Chapter 15. Gene Mutation and Molecular Medicine Chapter 16. Regulation of Gene Expression
Tenth week	Chapter 17. Genomes Chapter 18. Recombinant DNA and Biotechnology
Eleventh week	Chapter 19. Processes of Evolution Chapter 20. Reconstructing and Using Phylogenies
Twelfth week	Final-term exam1 Chapter 21. Evolution of Genes and Genomes
Thirteenth week	Chapter 21. Evolution of Genes and Genomes Chapter 22. Speciation
Fourteenth week	Chapter 23. The History of Life on Earth Chapter 24. Bacteria, Archaea, and Viruses
Fifteenth week	No class Final-term exam2
Sixteenth week	기말고사

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MICROBIOLOGY	Course Number	BD06017001
Major / School Year	Major of Molecular and Medical Science / 2	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 예정용	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	
Office hours		lecture room	

[1] Outline / Purpose

This Microbiology course is taught through lecture in the classroom in both ENGLISH KOREAN languages. This Microbiology course is taught through lecture by English-language multimedia materials but detailed explanation for each topic is provided in KOREAN language. The objective of this course is to acquire basic knowledge necessary to treat, prevent and manage diseases caused by microorganisms by studying microorganisms and their relationship with other organisms (human body) and the environment. This course allows students to understand general theories such as bacteriology, mycology, and virology and immunology. Students learn basic theories and receive practical training related to interactive relationships between microorganisms and their hosts as well as treatment, prevention and management.

[2] Course Learning Outcomes

Lectures are focused on the structure of prokaryotic and eukaryotic microorganisms, host-microbe interactions, immunity and human infectious diseases. This course provides a survey of microorganisms. This survey includes the various microbial environments and the microbial interactions with multi-cellular organisms, especially humans. This course pays special attention to those microbes that are pathogenic to humans.

[3] Class Delivery Method

Attendance

Attendance in lecture is the students responsibility, laboratory session attendance is mandatory. Your performance in the course depends on your attendance and participation. Students with unexcused excessive absences (2 or more) can be dropped from the class.

Lectures

The lecture schedule indicates textbook topic assignments and posted notes for each lecture period. Students are expected to read the assigned material before the scheduled date and be prepared to discuss assigned material in class. Students cannot use electronic devices during lecture without permission. Please! No laptops, electronic pads or telephones.

Exam questions will be written in English language and answers can be submitted in English or Korean languages.

Grading Policy

The grade for the Microbiology course is computed by adding 50% of your lecture grade to 50% of your attendance. There are 2 lecture examinations, which each cover roughly a half of the lecture work as indicated in the outline.

㉔ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	10 %	%	%	50 %	%	%	%

㉕ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	60 %	%	30 %	%	%	%

[4] Grading Policies

㉔ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
-----	--------	-----------	----------	-------------

(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

주교재로 사용되는 텍스트 자료는 이러닝 사이버 강의실을 통해 업로드하여 드립니다

[6] Weekly lesson plans

First week	Introduction to microbiology
Second week	The battle between host and pathogen
Third week	Gram negative bacteria
Fourth week	Protect yourself! Spirochetes: Lyme and Syphilis
Fifth week	Mycobacteria
Sixth week	Resistance is futile
Seventh week	Fungi
Eighth week	Midterm examination
Ninth week	Malaria and babesia
Tenth week	Tropical infections
Eleventh week	Introduction to viruses
Twelfth week	Common viruses: Cold and flu season
Thirteenth week	The virus that changed the world
Fourteenth week	Beyond infections: Human papilloma virus and cervical cancer
Fifteenth week	The microbiome: the millions of microbes that live in and on us
Sixteenth week	Final examination

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references	
--	------------	--

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to Bioinformatics	Course Number	0010115001
Major / School Year	Major of Molecular and Medical Science / 3	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 한미령	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	
Office hours		lecture room	

[1] Outline / Purpose

Bioinformatics is the science of analyzing and understanding large amounts of biological data. It is a highly interdisciplinary field including biology, statistics, computer science and mathematics. This course is designed to provide students with the foundation necessary to analyzing big data using bioinformatics technologies.

[2] Course Learning Outcomes

This course aims to understand the importance of bioinformatics by learning various fields such as Genomics using next-generation sequencing and Phylogenetics.

[3] Class Delivery Method

There is no official textbook for this course. Course material will be a combination of lecture notes, journal articles, and handouts.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	1. Orientation & Introduction to Bioinformatics
Second week	2. Bioinformatics Database
Third week	3. Genomics
Fourth week	4. Genome Assembly
Fifth week	5. Sequence Alignment I
Sixth week	6. Sequence Alignment II
Seventh week	7. Functional Genomics
Eighth week	8. Mid-term exam
Ninth week	9. Phylogenetics
Tenth week	10. Next-generation sequencing
Eleventh week	11. DNA-sequencing analysis (practice)
Twelfth week	12. DNA-sequencing analysis (practice)
Thirteenth week	13. DNA-sequencing analysis (practice)
Fourteenth week	14. DNA-sequencing analysis (practice)
Fifteenth week	15. Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	GENETICS		Course Number	BD06059001		
Major / School Year	Major of Molecular and Medical Science	/ 3	completion division /Grade evaluation	/		
Department/Professor	Division of Life Sciences	/ 박준태	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SF406:수(5B-6),금(1-2A)]		
Office hours			lecture room			

[1] Outline / Purpose

Genetics is a study that identifies the causes of the expression of an organism's traits, mainly studying gene migration, variability, expression patterns, and their relationship to the surroundings. It is also classified as molecular genetics, which combines classical genetics with molecular biology. This course will study the core theories and techniques of genetic engineering, one of the key scholars of the 21st century biotechnology era, and the flow of modern biology.

[2] Course Learning Outcomes

This course aims to provide the basis for genetic engineering and biotechnology research by acquiring the details, concepts and problem-solving skills required for genetic research, including genetic phenomena in living organisms.

[3] Class Delivery Method

This lecture summarizes the important contents of each chapter and also examines practical applications.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance 20%, Mid-term 40%, Final-term 40%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	전상학외역	Publisher	라이프사이언스	Textbook	Issued year	2009
(2)	Author		Publisher		Textbook	Issued year	
(3)	Author		Publisher		Textbook	Issued year	

[Reference books]

(1)	Author		Publisher		Textbook	Issued year	
(2)	Author		Publisher		Textbook	Issued year	
(3)	Author		Publisher		Textbook	Issued year	
(4)	Author		Publisher		Textbook	Issued year	
(5)	Author		Publisher		Textbook	Issued year	

[Other books]

[6] Weekly lesson plans

First week	1. Introduction to Genetics
Second week	2. Chromosomes and Cellular Reproduction
Third week	3. Basic Principles of Heredity
Fourth week	4. Sex Determination and Sex-Linked Characteristics
Fifth week	5. Extensions and Modifications of Basic Principles
Sixth week	6. Pedigree Analysis, Applications, and Genetic Testing
Seventh week	Summary
Eighth week	Mid-term exam
Ninth week	7. Linkage, Recombination, and Eukaryotic Gene Mapping
Tenth week	8. Chromosome Variation
Eleventh week	9. Bacterial and Viral Genetic Systems
Twelfth week	10. DNA: The Chemical Nature of the Gene
Thirteenth week	11. Chromosome Structure and Organelle DNA
Fourteenth week	12. DNA Replication and Recombination
Fifteenth week	Final-term exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Animal physiology and pathology laboratory	Course Number	0006794001
Major / School Year	Major of Molecular and Medical Science / 3	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 김재근	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SF205:화(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

The course topics includes observation of organs, tissues and cells utilizing experimental animal such as rat and mouse to understand human physiologies, which are essential for maintenance of human life. Students will observe pathophysiological phenotypes as well as cellular events observed in disease models generated from rat and mouse. The overall goal of this course is to provide practical experience that leads students to design animal experiments to carry out research associated with human diseases.

[2] Course Learning Outcomes

1. The management of experimental animal utilizing the experimental sciences
2. To understand animal models and analysis of behaviors.
3. Observatoin of cells in each of organs utilizing histology
4. Practice of research activities including establishment of hypothesis, analysis of data and writing paper.

[3] Class Delivery Method

1. The class will be mainly processed in an laboratory practice.
2. Introduction of an individual topic will be conducted in the form of lectures

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	%	%	60 %	%	%	%	20 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	20 %	%	%	%	%	60 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	– Introduction of experimental animal
Third week	– Generation of disease model with experimental mouse
Fourth week	– Anatomy with mouse and tissue isolation
Fifth week	– Tissue preparation (Fixation and Section)
Sixth week	– Staining (H & E, Nissl Staining)
Seventh week	– Staining (Golgi Staining)
Eighth week	Midterm exam
Ninth week	– Observation of stained tissues using microscope
Tenth week	– Immunohistochemistry
Eleventh week	– Immunohistochemistry-1
Twelfth week	– Tissue preparation from a disease model
Thirteenth week	– Tissue preparation from a disease model-1
Fourteenth week	– Practice for research hypothesis
Fifteenth week	– Introduction of research activities
Sixteenth week	– Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Neurobiology	Course Number	0001661001
Major / School Year	Major of Molecular and Medical Science / 4	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 김재근	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF428:월(4-5A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Neurobiology is the study of cells of the nervous system and the organization of these cells into functional circuits that process information and mediate behavior.

[2] Course Learning Outcomes

1. Understand of basic conception in Neurobiology
2. Understand of integrated physiology associated with nervous system
3. Understand of development of diseases related to nervous system
4. Thinking about application and treatment for Neurological diseases

[3] Class Delivery Method

1. Class will be conducted in forms of b-learning (Online and Offline parallel class).
2. Online (2hour): Learn background of Neurobiology
3. Offline (1hour): Discuss about the learning contents by various ways
4. Class will be conducted as an English class.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	30 %	10 %	%	%	%	%	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	50 %	%	%	%	%	30 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Mark F. Bear	Publisher	Lippincott Williams & Wilkins	Textbook	Neuroscience Exploring the brain (4TH edition)	Issued year	
(2)	Author	Cindy L. Stanfield	Publisher	라이프사이언스 (PEASON)	Textbook	Principles of Human Physiology	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	History of neuroscience and introduction of neurobiology class
Third week	Types and characters of cell in nervous system
Fourth week	Action potential
Fifth week	Synaptic transmission
Sixth week	Pattern of signal transduction in nervous system
Seventh week	Neurotransmitter
Eighth week	Midterm exam
Ninth week	Chemical regulation of brain behavior
Tenth week	Dopamine
Eleventh week	Brain structure and Ventricle system
Twelfth week	Brain mechanism for the emotion
Thirteenth week	Hypothalamus and Autonomic nervous systme
Fourteenth week	Brain diseases
Fifteenth week	Mental illness
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	GENERAL CHEMISTRY(1)	Course Number	XAA1184005
Major / School Year	Division of Bioengineering / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Chemistry / 그레고리 아 이작 피터슨	Grades/Lecture/ Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SY3211:화(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

- To understand the main concepts of modern chemistry and several basic principles of chemistry.
- To prepare the foundation of chemistry for application in various fields, and to cultivate understanding and research ability of various chemical phenomena.

[2] Course Learning Outcomes

- Understand various definitions and concepts related to chemistry.
- Learn about the development of chemistry and the role of chemistry in the future.
- Acquire sufficient basic knowledge of chemistry to prepare for the future considering the connection with other disciplines.

[3] Class Delivery Method

-The class is scheduled to be held offline, with face-to-face lectures.

If classes must be held online due to the COVID-19 situation, then live lectures via webex/LMS system will be held.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	90 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm exam 30%

Final exam 30%

Assignments 20%

Attendance 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Robinson, McMurry, Fay	Publisher	Pearson	Textbook	Chemistry, 8th Edition, Global Edition	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to General Chemistry Chapter 1: Chemical Tools – Experimentation and Measurement P
Second week	Chapter 2: Atoms, Molecules, and Ions Part 1
Third week	Chapter 2: Atoms, Molecules, and Ions Part 2
Fourth week	Chapter 3: Mass Relationships in Chemical Reactions
Fifth week	Chapter 4: Reactions in Aqueous Solution Part 1
Sixth week	Chapter 4: Reactions in Aqueous Solution Part 2
Seventh week	Chapter 5: Periodicity and the Electronic Structure of Atoms Part 1 Exam Review
Eighth week	Mid-Term Exam
Ninth week	Chapter 5: Periodicity and the Electronic Structure of Atoms Part 2
Tenth week	Chapter 6: Ionic Compounds – Periodic Trends and Bonding Theory
Eleventh week	Chapter 7: Covalent Bonding and Electron-Dot Structures Part 1
Twelfth week	Chapter 7: Covalent Bonding and Electron-Dot Structures Part 2
Thirteenth week	Chapter 8: Covalent Compounds – Bonding Theories and Molecular Structure Part 1
Fourteenth week	Chapter 8: Covalent Compounds – Bonding Theories and Molecular Structure Part 2 Exam Review
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	End of Chapter Practice Problems	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	GENERAL CHEMISTRY(1)	Course Number	XAA1184006
Major / School Year	Division of Bioengineering / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Chemistry / 그레고리 아 이작 피터슨	Grades/Lecture/ Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SF102:금(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

- To understand the main concepts of modern chemistry and several basic principles of chemistry.
- To prepare the foundation of chemistry for application in various fields, and to cultivate understanding and research ability of various chemical phenomena.

[2] Course Learning Outcomes

- Understand various definitions and concepts related to chemistry.
- Learn about the development of chemistry and the role of chemistry in the future.
- Acquire sufficient basic knowledge of chemistry to prepare for the future considering the connection with other disciplines.

[3] Class Delivery Method

-The class is scheduled to be held offline, with face-to-face lectures.

If classes must be held online due to the COVID-19 situation, then live lectures via webex/LMS system will be held.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	90 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm exam 30%

Final exam 30%

Assignments 20%

Attendance 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Robinson, McMurry, Fay	Publisher	Pearson	Textbook	Chemistry, 8th Edition, Global Edition	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to General Chemistry Chapter 1: Chemical Tools – Experimentation and Measurement P
Second week	Chapter 2: Atoms, Molecules, and Ions Part 1
Third week	Chapter 2: Atoms, Molecules, and Ions Part 2
Fourth week	Chapter 3: Mass Relationships in Chemical Reactions
Fifth week	Chapter 4: Reactions in Aqueous Solution Part 1
Sixth week	Chapter 4: Reactions in Aqueous Solution Part 2
Seventh week	Chapter 5: Periodicity and the Electronic Structure of Atoms Part 1 Exam Review
Eighth week	Mid-Term Exam
Ninth week	Chapter 5: Periodicity and the Electronic Structure of Atoms Part 2
Tenth week	Chapter 6: Ionic Compounds – Periodic Trends and Bonding Theory
Eleventh week	Chapter 7: Covalent Bonding and Electron-Dot Structures Part 1
Twelfth week	Chapter 7: Covalent Bonding and Electron-Dot Structures Part 2
Thirteenth week	Chapter 8: Covalent Compounds – Bonding Theories and Molecular Structure Part 1
Fourteenth week	Chapter 8: Covalent Compounds – Bonding Theories and Molecular Structure Part 2 Exam Review
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	End of Chapter Practice Problems	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MOLECULAR BIOLOGY	Course Number	0001636002
Major / School Year	Major of Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 김정완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	8244	A weekday / class /	[SY3505:화(5),목(7)(8)]
Office hours	Tue, Thr (5-6 pm), rm.29-505	lecture room	

[1] Outline / Purpose

Molecular biology is the study of life at a molecular level. The field overlaps with other areas of biology and chemistry, particularly genetics and biochemistry. Molecular biology chiefly concerns itself with understanding the interactions between the various systems of a cell, including the interactions between DNA, RNA and protein biosynthesis and learning how these interactions are regulated. Molecular biology deals with molecular underpinnings of the process of replication, transcription and translation of the genetic material.

[2] Course Learning Outcomes

Studying the phenomena of life at molecular levels would help students to understand the essentials of life more fundamentally and widen the scope of life sciences. This would enable students to appreciate amazing molecular aspects of life and the possibilities of applying the knowledges obtained in this course to the interests of modern human society such as recombinant DNA technology, construction of transgenic organisms, etc. The knowledges would help students in evaluating the ethnics also.

[3] Class Delivery Method

Lectures are to be given twice a week for an hour and half each time in English. Topics for discussion and assignments would be given to students for specific subjects. Reports and examinations are supposed to be handed out in Korean.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	0 %	10 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	75 %	0 %	10 %	0 %	5 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	D. Freifelder & G.M. Malcinski	Publisher	Jones & Bartlett	Textbook	Essentials of Molecular Biology	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	T.A. Brown	Publisher		Textbook	Gene cloning	Issued year	
(2)	Author	B. Lewin	Publisher		Textbook	Gene XI	Issued year	
(3)	Author	W.S. Klug et al.	Publisher		Textbook	Essential Genetics	Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course Chapter 1 : Overview of molecular biology Progress, concepts, and methodology of molecular biology
Second week	Chapters 2, 3, 4 : Macromolecules in the cell DNA, RNA, Proteins etc. Properties, structure, and function of macromolecules
Third week	Chapters 3,5 : Nucleic Acids Physical and chemical properties of DNA, RNA Structures, Renaturation, Hybridization etc
Fourth week	Chapter 6 : The Genetic Material DNA as the genetic material, RNA as the genetic material Properties of the genetic material
Fifth week	Chapter 7 : DNA Replication Modes of replication Enzymes involved in replication, Future practical applications
Sixth week	Chapter 8 : Transcription in Prokaryotes Enzymatic synthesis of RNA, Transcription signals Enzymes and other factors involved in transcription
Seventh week	Chapter 8 : Transcription in Eucaryotes Enzymatic synthesis of RNA, Transcription signals Enzymes and other factors involved in transcription
Eighth week	Midterm Exam. Chapter 9 : Translation The genetic code, The Wobble hypothesis, Polypeptide synthesis
Ninth week	Chapter 10 : Mutations, Mutagenesis, and DNA Repair
Tenth week	Chapter 10 : Mutagenesis – DNA repair mechanisms
Eleventh week	Chapter 11 : Regulation of Gene Expression in Prokaryotes Principles of regulation on catabolism & anabolism Transcriptional regulation
Twelfth week	Chapter 11 : Regulation of Gene Expression in Prokaryotes Principles of regulation on catabolism & anabolism Transcriptional regulation
Thirteenth week	Chapter 12 : Regulation of Gene Expression in Eucaryotes Regulation of gene at the transcriptional level
Fourteenth week	Chapter 12 : Regulation of Gene Expression in Eucaryotes Regulation of gene at translational level, Gene rearrangement
Fifteenth week	Final Exam.
Sixteenth week	Make-up lectures if necessary

[7] Assignments

The first assignment	assignment	Double Helix DNA as the Genetic Material	submission date	
	purpose	Appreciation of Watson & Crick's Finding		
	procedure & notice	Reading and translation of the original paper (Summary) on double helix uploaded on the E-learning system		
	references			
The second assignment	assignment	Structure of DNA	submission date	
	purpose	Understanding Structure of Genetic Material		
	procedure & notice	Drawing the structure of anti- parallel complementary double stranded DNA		
	references			
The third assignment	assignment	Practice on DNA translation	submission date	
	purpose	Understanding Genetic Coding of DNA		
	procedure & notice	Analyze of a given gene for the transcriptional and translational signals and open reading frames; sequence of a gene to be uploaded on the E-learning system		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Undergraduate research dissertation	Course Number	0004185001
Major / School Year	Major of Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 이원중	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class / lecture room	[SY3302:목(9)(0+1)] [SY3507:월(9)(0+1)]
Office hours			

[1] Outline / Purpose

The class aims for developing ability of each attendee as follow:
 The experiments in the fields of bioengineering
 How to analyze the data from the experimental results
 How to read and understand the results published in the journals
 How to present the results

[2] Course Learning Outcomes

After selecting the research projects related to bioengineering fields, the students should conduct the experiments under the guidance of PI. Thereafter, the students can analyze the research results and write the thesis.

[3] Class Delivery Method

Everyone in the class will prepare the presentation and present their own results or theoretical study.
 All the presentation should be written and spoken in English with no exception.
 Draft of thesis should be submitted in the end of the semester.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	30 %	30 %	20 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Paper works and experiments
Third week	Paper works and experiments
Fourth week	Paper works and experiments
Fifth week	Paper works and experiments
Sixth week	Paper works and experiments
Seventh week	Paper works and experiments
Eighth week	Paper works and experiments
Ninth week	Paper works and experiments
Tenth week	Paper works and experiments
Eleventh week	Paper works and experiments
Twelfth week	Paper works and experiments
Thirteenth week	Oral presentation
Fourteenth week	Oral presentation
Fifteenth week	Oral presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Undergraduate research dissertation	Course Number	0004185002
Major / School Year	Major of Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 서명지	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class / lecture room	[SY3302:월(9)(0+1)] [SY3507:목(9)(0+1)]
Office hours			

[1] Outline / Purpose

The class aims for developing ability of each attendee as follow:
 The experiments in the fields of bioengineering
 How to analyze the data from the experimental results
 How to read and understand the results published in the journals
 How to present the results

[2] Course Learning Outcomes

After selecting the research projects related to bioengineering fields, the students should conduct the experiments under the guidance of PI. Thereafter, the students can analyze the research results and write the thesis.

[3] Class Delivery Method

Everyone in the class will prepare the presentation and present their own results or theoretical study.
 All the presentation should be written and spoken in English with no exception.
 Draft of thesis should be submitted in the end of the semester.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	30 %	30 %	20 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Paper works and experiments
Third week	Paper works and experiments
Fourth week	Paper works and experiments
Fifth week	Paper works and experiments
Sixth week	Paper works and experiments
Seventh week	Paper works and experiments
Eighth week	Paper works and experiments
Ninth week	Paper works and experiments
Tenth week	Paper works and experiments
Eleventh week	Paper works and experiments
Twelfth week	Paper works and experiments
Thirteenth week	Oral presentation
Fourteenth week	Oral presentation
Fifteenth week	Oral presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	GENOMICS	Course Number	BKD6032001
Major / School Year	Major of Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 장성호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358033	A weekday / class /	[SY3507:월(5B-6),화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

Recent progress in biotechnology was greatly influenced by the development of next-generation sequencing and bioinformatics after the human genome project.

In this lecture, the overall history of genomics and its applications will be covered.

최근의 생명공학은 차세대 염기서열 분석법과 생물정보학에 크게 영향을 받았습니다.

이 강의에서는 유전체학의 전반적인 역사와 유전체학의 응용 분야에 대해 이야기하고자 합니다.

[2] Course Learning Outcomes

- Describe the methods and principle of modern genome analysis (최신 유전체 분석 기술)
- Describe the components and structure of viral, prokaryotic, and eukaryotic genomes (바이러스, 원핵생물, 진핵생물의 유전체 구조)
- Explain the basic techniques of genome sequencing and analysis (게놈 시퀀싱 및 분석 기술)
- Describe the way genomes change over time (시간 경과에 따른 게놈 변화 원리)
- Apply principles of genomics to modern biological questions (유전체학과 현대 생물학의 관계)
- Explain the outcomes of a variety of genome projects (다양한 게놈 프로젝트의 결과물)

[3] Class Delivery Method

This lecture will be delivered through several methods.

One week before class, I will notify you of the class method via e-learning system and SMS.

1. Online lectures

1) Online real-time video lecture: Real-time video lecture using Zoom. I will provide a Zoom lecture room and the attendant can check attendance using the INU app.

2) Online video lecture: Watch the lecture video uploaded to the INU e-learning system (LMS). Attendance will be checked automatically

2. Offline, in-person lecture

Please come to the classroom at the lecture time shown in the lecture plan.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Arthur Lesk	Publisher	Oxford University Press	Textbook	Introduction to Genomics	Issued year	2017
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

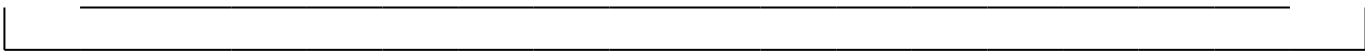
[Other books]

[6] Weekly lesson plans

First week	Introduction to Genomics
Second week	Introduction to Genomics
Third week	Introduction to Genomics
Fourth week	The Human Genome Project
Fifth week	Mapping, Sequencing, Annotation, and Databases
Sixth week	Mapping, Sequencing, Annotation, and Databases – hands-on session
Seventh week	Evolution and Genomic Change
Eighth week	Mid-term Examination
Ninth week	Genomes of Prokaryotes and Viruses
Tenth week	Genomes of Prokaryotes and Viruses
Eleventh week	Applications of Genomics in Biotechnology and Bioengineering
Twelfth week	Applications of Genomics in Biotechnology and Bioengineering
Thirteenth week	Paper Review Presentation – 1
Fourteenth week	Paper Review Presentation – 2
Fifteenth week	Final Examination
Sixteenth week	Makeup Classes If Needed

[7] Assignments

The first assignment	assignment	Academic paper review	submission date	
	purpose	Understand how genomics are applied to the real-world research projects		
	procedure & notice	The students will choose an academic paper from the list provided by the professor. Then, the students will do the presentation of the paper, focusing on how genomics is applied to each research project.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			



Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Physical Chemistry	Course Number	0001626001
Major / School Year	Major of Nano-Bioengineering / 2	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 김병철	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358038	A weekday / class / lecture room	[SY3210:월(5B-6),화(1-2A)]
Office hours	Building 27, Room B104-1 with an appointment		

[1] Outline / Purpose

This course introduces the basic principles of statistical physics, chemistry, and thermodynamics as they apply to biological systems.

[2] Course Learning Outcomes

Aims of this course are to increase students understanding in basic physics in particular, thermodynamics.

[3] Class Delivery Method

This course is an English course.

Basic principles and knowledge of thermodynamics will be discussed. Biological applications of the theories will be introduced as well.

The first two lectures will be online lectures.

The first week: Read the introduction slides uploaded on an e-learning website, <https://cyber.inu.ac.kr/>

We can discuss using online chats in e-learning

코로나 19로 인해 우선 1주차는 비대면 수업 진행. 이후 상황에 따라 비대면/대면 수업 진행.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Absolute evaluation.

Criteria for A, B, C, and F will be determined regarding a 'curve'

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
70 %	20 %	10 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Peter Atkins, Julio de Paula	Publisher	Oxford	Textbook	Atkins' Physical Chemistry	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction & Chapter 1. the properties of gases
Second week	Chapter 1. the properties of gases
Third week	Chapter 2. The first law
Fourth week	Chapter 2. The first law
Fifth week	Chapter 2. The first law
Sixth week	Chapter 3. the second and third laws
Seventh week	Chapter 3. the second and third laws HW2
Eighth week	Mid-term
Ninth week	Chapter 3. the second and third laws
Tenth week	Chapter 4. Physical transformation of pure substances
Eleventh week	Chapter 4. Physical transformation of pure substances
Twelfth week	Chapter 20. Chemical kinetics
Thirteenth week	Chapter 20. Chemical kinetics
Fourteenth week	Chapter 5. Simple mixtures
Fifteenth week	Final exam
Sixteenth week	* Make-up lecture if necessary

[7] Assignments

The first assignment	assignment	TBA	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Inorganic Chemistry	Course Number	0001786001
Major / School Year	Major of Nano-Bioengineering / 2	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 한상길	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:월(8B-9),목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to give undergraduates in Nano-Bioengineering a modern insight into inorganic chemistry. The principal purpose is to learn the fundamental concepts of chemical bonding in atoms, molecules and extended solids, and to apply these bonding theories to understanding not only chemical reactivity but also physical properties.

[2] Course Learning Outcomes

The goals of this course are as below.

1. Learn the basic principles of inorganic chemistry including atomic structure, simple bonding theory, symmetry and group theory, molecular orbitals as well as the crystalline solid state.
2. Learn to read an academic paper related to inorganic chemistry (i.e. published in peer-reviewed journals), summarize it effectively and present clearly to audiences.

[3] Class Delivery Method

The classes are delivered as below.

1. Mainly lectures using PPT slides;
2. Seminars by researchers at the University of Cambridge via Zoom in the classroom;
3. Lectures will be delivered in English.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Grading will be evaluated as below.

1. Mid-term exam: 30 %
2. Final exam: 30 %
3. Attendance + attitude: 20 %
4. Team presentation: 20 %

*Dates for mid-term and final exams will be announced in the classroom.

*Team presentations: one group of 5-6 classmates, summary of an academic paper from a reviewer's perspective, topics related to inorganic chemistry, 10 min presentation

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gary L. Miessler, Paul J. Fischer, Donald A. Tarr	Publisher	Pearson	Textbook	Inorganic Chemistry, Fifth Edition	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Ch.1 Introduction to Inorganic Chemistry
Second week	Ch.2 Atomic Structure
Third week	Ch.3 Simple Bonding Theory
Fourth week	Ch.3 Simple Bonding Theory
Fifth week	Ch.4 Symmetry and Group Theory
Sixth week	Ch.4 Symmetry and Group Theory
Seventh week	Seminar & Team Presentation1
Eighth week	Summary & Mid-term Exam
Ninth week	Ch.5 Molecular Orbitals
Tenth week	Ch.5 Molecular Orbitals
Eleventh week	Ch.6 Acid-base and donor-acceptor chemistry
Twelfth week	Seminar & Team Presentation2
Thirteenth week	Ch.7 The Crystalline Solid State
Fourteenth week	Ch.7 The Crystalline Solid State
Fifteenth week	Summary & Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Brain Engineering	Course Number	0005845001
Major / School Year	Major of Nano-Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 양성구	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:월(7),금(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

본 교과목은 뇌가 어떻게 세상을 인지하고 반응하는지에 관한 현상을 학습하는 과목으로 공학 기반의 신경과학 이해를 목적으로 한다.

[2] Course Learning Outcomes

본 강좌를 통해서 수강학생들이 미래산업으로 신경과학 및 공학의 중요성을 인식하고 신경과학의 폭넓은 이해와 신경질환 치료를 위한 공학적인 기술을 학습하는 것에 있다.

[3] Class Delivery Method

본 강좌는 16주간 동안 뇌공학에 관한 강의를 수강하고, 수업중간에 요약 및 질의응답방식으로 진행한다. 대부분 시간을 시청각교육에 중점을 두고 진행한다. 필요에 따라 외부강사초청도 적극 활용한다. 16주간 영어강의로 진행되며 필요에 따라 한국어 강의로 요약할 수 있다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	%	10 %	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	%	%	10 %	%	80 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Bear et al	Publisher	Wolters Kluwer	Textbook	Neuroscience: Exploring the Brain (4th edition)	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the Brain Engineering
Second week	Neuron and Glia
Third week	The structure of the nervous system
Fourth week	The action potential
Fifth week	The neuronal membrane at rest
Sixth week	Synaptic transmission
Seventh week	Molecular mechanisms of learning and memory
Eighth week	Mid term exam
Ninth week	Memory
Tenth week	Brain rhythms and Sleep
Eleventh week	Neural interface devices
Twelfth week	Auditory and visual system
Thirteenth week	Brain control of movement
Fourteenth week	Motivation & Optogenetics
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Biosensor Engineering	Course Number	0007832001
Major / School Year	Major of Nano-Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 한상길	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:수(7-8A)] [SY3211:월(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

The aim of this course is to introduce state-of-the-art biosensor technologies and discuss their working mechanisms as well as their broad applications, ranging from neuroscience to botany.

[2] Course Learning Outcomes

The goals of this course are as below.

1. Learn the basic principles of various biosensors including electrophysiology, electrochemical sensors (e.g. metabolites, ions) and state-of-the-art biosensor technologies.
2. Discuss broad applications of biosensors including neuroscience, healthcare and Plantronics to foster creative thinking and convergence skills of students.
3. Learn to read an academic paper related to biosensors (i.e. published in peer-reviewed journals), summarize it effectively and present clearly to audiences.

[3] Class Delivery Method

The classes are delivered as below.

1. Mainly lectures using PPT slides;
2. Seminars by researchers at the University of Cambridge via Zoom in the classroom;
3. Lectures will be delivered in English.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Grading will be evaluated as below.

1. Mid-term exam: 30 %
2. Final exam: 30 %
3. Attendance + attitude: 20 %
4. Team presentation: 20 %

*Dates for mid-term and final exams will be announced in the classroom.

*Team presentations: one group of 5-6 classmates, summary of an academic paper from a reviewer's perspective, topics related to biosensors, 15 min presentation

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Introduction to Bioelectronics
Second week	Electrophysiological sensors
Third week	Organic electrochemical transistors
Fourth week	Biosensor concept & performance characteristics
Fifth week	Metabolite sensors
Sixth week	Ion sensors
Seventh week	Seminar & Team Presentation1
Eighth week	Summary & Mid-term Exam
Ninth week	Aptamer sensors
Tenth week	Wearable applications
Eleventh week	Wearable applications
Twelfth week	Seminar & Team Presentation2
Thirteenth week	Implantable applications
Fourteenth week	Plantronics
Fifteenth week	Summary & Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	bioelectronics engineering	Course Number	0009525001
Major / School Year	Major of Nano-Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 송영준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:화(7-8A),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

DNA 에 관한 컴퓨터 논리와 전기회로 반도체 공정등을 배우는 과정을 중심으로 논문 리뷰를 포함하여 최신연구를 살펴본다.

[2] Course Learning Outcomes

바이오와 접목한 학문에 대한 깊은 이해와 융합연구에 대한 깊은 이해를 하고자 한다.

[3] Class Delivery Method

토론 및 강의 그리고 숙제등을 통한 피드백으로 진행할 예정이다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Intro/ PN 다이오드
Second week	MOSFET 회로 소개/ 반도체 공정
Third week	AutoCAD/Metal E-beam
Fourth week	Etching/CVD//Sensor
Fifth week	전기화학/RLC 회로
Sixth week	RLC 회로/AC/DC Tool
Seventh week	DEP/ Liquid Biopsy
Eighth week	중간고사
Ninth week	DNA data storage
Tenth week	DNA Synthesis/Eagle 실습
Eleventh week	DNA Photolithography
Twelfth week	DNA computing
Thirteenth week	Paper review
Fourteenth week	Paper review
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Biological Tissue Engineering	Course Number	0010117001
Major / School Year	Major of Nano-Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 송광훈	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:수(1-2A),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The class will provide basic principles and techniques of tissue engineering. Specifically, students will study biomaterials, tissue scaffolds, cell culture/engineering and regeneration processes.

[2] Course Learning Outcomes

Basic principles of tissue engineering from the class will widen view of bioengineering by delivering practical knowledge.

[3] Class Delivery Method

The class will be given by lecture and slides.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm exam: 30%

Final exam: 30%

Attendance: 20%

Presentation: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Biomaterials 1 (Fibrin, collagen, gelatin, alginate)
Third week	Biomaterials 2 (Hyaluronic acid, chitosan, dextran, matrigel)
Fourth week	Biomaterials 3 (Agarose, poly(ethylene glycol), poly(caprolactone), poly(D,L-lactic acid-co-glycolic acid))
Fifth week	Cell culture facilities
Sixth week	Cell culture technique, stem cells
Seventh week	Techniques to fabricate tissue scaffolds and culture cells within scaffolds 1 (Solvent casting and particulate leaching, gas forming, electrospinning, cell culture within scaffolds)
Eighth week	Midterm exam
Ninth week	Techniques to fabricate tissue scaffolds and culture cells within scaffolds 2 (Hydrogels, microparticles, solvent evaporation, spray drying, microcarrier, surface modification)
Tenth week	Analysis of biomaterials/tissue scaffolds 1 (1H NMR, contact angle, SEM)
Eleventh week	Analysis of biomaterials/tissue scaffolds 2 (AFM, tensile testing, compressive strength, rheology)
Twelfth week	3D bioprinters, bioprinting techniques
Thirteenth week	Demonstration of hydrogel fabrication and 3D printing or Research applications
Fourteenth week	Student presentation
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	조직공학 연구 발표	submission date	
	purpose			
	procedure & notice	조직공학 관련 실험 논문을 정리하여 5~10분동안 발표		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Bioimaging Engineering	Course Number	0005903001
Major / School Year	Major of Nano-Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 송광훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3211:월(2B-3),목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This class will cover basic principles of various microscopes and imaging techniques developed for researches in bioengineering. Specifically, we will aim to study types/working mechanisms/characteristics of microscopes, staining/imaging techniques and applications in bioengineering.

[2] Course Learning Outcomes

The principles and practical techniques, which will be given in the class, will provide information that students need for performing research projects and widening views in bioengineering.

[3] Class Delivery Method

The class will be given by lecture and slides. (On-site)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm exam: 30%
 Final exam: 30%
 Student presentation: 20%
 Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction, light microscopy, light (1)
Second week	Introduction, light microscopy, light (2)
Third week	Illuminators, filters, lenses
Fourth week	Diffraction limits
Fifth week	Phase contrast, dark-field microscopy
Sixth week	Polarization microscopy, DIC
Seventh week	Fluorescence microscopy
Eighth week	Midterm exam
Ninth week	Confocal microscopy
Tenth week	Two-photon microscopy
Eleventh week	Transmission, scanning electron microscopy
Twelfth week	Image sensor
Thirteenth week	Demonstration of fluorescence microscopy or Research applications
Fourteenth week	Student presentation
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	RISE	Course Number	0009062027
Major / School Year	School of Northeast Asian Studies / 전학년	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 권재현	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	
Office hours		lecture room	

[1] Outline / Purpose

RISE (Research Intensive Self-motivated Education) is a class for the undergrad who would like to train themselves in graduate research fashion. Throughout this semester, the students are challenged to find a research topic, discuss what they think, and write to express their idea. The instructor will play a supervisory role while giving some advice to academic writing.

[2] Course Learning Outcomes

We all aim to have a paper that presumably qualifies for the academic standard of undergrad thesis. That's it.

[3] Class Delivery Method

For a couple of weeks in the beginning, we would get together for comprehensive writing rules. Afterwards, we would meet up once a week at the student's convenience.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Exam: You need to turn in a thesis draft.

Attendance: We meet once a week.

Assignment: Writeup progress will be checked.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	William Strunk Jr. and E. B. White	Publisher	Macmillan Publishing	Textbook	The Elements of Style (4th ed.)	Issued year	2022
(2)	Author	Kate L. Turabian, Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams, Joseph Bizup, and William T. FitzGerald	Publisher	University of Chicago Press	Textbook	A Manual for Writers of Research Papers, Theses, and Dissertations (9th ed.)	Issued year	2018
(3)	Author	William Thomson	Publisher	The MIT Press	Textbook	A Guide for the Young Economist (2nd ed.)	Issued year	2011
(4)	Author	Marc F. Bellemare	Publisher	The MIT Press	Textbook	Doing Economics: What You Should Have Learned in Grad School-But Didn't	Issued year	2022

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	[Joint Meeting] Rule Meeting
Second week	[Joint Meeting] What Makes Academic Research Paper Differ?
Third week	[Joint Meeting] Where Can We Find Other People's Work?
Fourth week	[Joint Meeting] How Should We Cite Other People's Work with Proper Credit?
Fifth week	[Joint Meeting] Let's Talk about What We Want to Do!
Sixth week	[Individual Meeting] * Make an appointment no later than April 1. It's not kidding.
Seventh week	[Individual Meeting]
Eighth week	[Individual Meeting]
Ninth week	[Joint Meeting] How Can We Talk Professionally in Public?
Tenth week	[Joint Meeting] Fifteen-minute Talks * Everyone should talk for 15 minutes exactly. It will be followed by peer comments within 5 minutes.
Eleventh week	[Individual Meeting] * The instructor will be out of town. You need to drop by on some day of the 10th week. Please make an appointment until 4/30.
Twelfth week	[Individual Meeting]
Thirteenth week	[Individual Meeting]
Fourteenth week	[Individual Meeting]
Fifteenth week	[Online] Submission of Paper Draft
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	PRINCIPLES OF ECONOMICS	Course Number	KA06140001
Major / School Year	School of Northeast Asian Studies / 1	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김지영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(1-2A),목(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides an introduction to current economic issues and to basic economic principles and methods. In the first part of the semester, we will focus on microeconomics, which is the study of the interaction of people and firms in markets. During the second half of the semester, we will focus this on macroeconomics, the study of the economy as a whole.

[2] Course Learning Outcomes

Students will be able to use the analysis practiced in the course to form your own judgments about many of the major economic problems faced by the society.

[3] Class Delivery Method

Lecture in English.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Acemoglu, Laibson, List	Pearson	Economics	2018
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	INTRODUCTION TO ECONOMICS
Second week	Demand, Supply, and Equilibrium
Third week	Consumers and Incentives, Sellers and Incentives
Fourth week	Perfect Competition and the Invisible Hand
Fifth week	Trade
Sixth week	Externalities and Public Goods
Seventh week	Monopoly, Oligopoly and Monopolistic Competition
Eighth week	Midterm
Ninth week	Game Theory and Strategic Play
Tenth week	Trade-offs Involving Time and Risk
Eleventh week	The Economics of Information
Twelfth week	The Wealth of Nations: Defining and Measuring Macroeconomic Aggregates, Aggregate Incomes
Thirteenth week	Economic Growth
Fourteenth week	Why Isn't the Whole World Developed?
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to Northeast Asia and Economics	Course Number	0006646001
Major / School Year	School of Northeast Asian Studies / 1	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 박제훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(7),화(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

Introduction to Northeast Asia and economics

[2] Course Learning Outcomes

Introducing basic knowledge of Northeast Asia and basic principle & history of economic thoughts

[3] Class Delivery Method

Mainly students' presentation and discussion

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	20 %	70 %	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	70 %	%	10 %	10 %	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jehoon Park, T.J. Pempel and Geng Xiao,	Publisher	Edward Elgar	Textbook	Asian Responses to the Global Financial Crisis The Impact of Regionalism and the Role of G20	Issued year	2012 1126
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction – Introduction to Course
Second week	Introduction to Asian studies
Third week	Introduction to Asian studies (2) – China
Fourth week	Introduction to Asian studies (3) – India and Japan
Fifth week	Introduction to Asian studies (4) – Russia
Sixth week	Introduction to Asian studies (5) – US
Seventh week	Introduction to Asian studies (6) – Korea
Eighth week	Mid term
Ninth week	Introduction to Economics (1) Adam Smith, The Theory of Moral Sentiments, Wealth of Nations
Tenth week	Introduction to Economics (2) Karl Marx, Capital J. M. Keynes, The General Theory
Eleventh week	Introduction to Asian economies (1) Chinese economy, Japanese economy
Twelfth week	Introduction to Asian economies (2) Russian economy, US economy,
Thirteenth week	Introduction to Asian economies (3) ASEAN economy, economies of two Koreas
Fourteenth week	The Asian Community Jean Monnet, Memoires
Fifteenth week	Final exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	MACROECONOMICS	Course Number	KA06148001
Major / School Year	School of Northeast Asian Studies / 2	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김부용	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:수(8B-9),목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	THEORY OF INTERNATIONAL TRADE	Course Number	KA06169001
Major / School Year	School of Northeast Asian Studies / 2	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 한도숙	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO220:월(8B-9),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course will analyze the causes and consequences of international trade and investment and related policy issues. We will investigate why nations trade, what they trade, and who gains from this trade. We will then analyze the motives for countries or organizations to restrict or regulate international trade and study the effects of such policies on economic welfare. Topics covered will include the effects of trade on economic growth and wage inequality, multinationals and foreign direct investment, international trade agreements and current trade policy disputes. We will also spend some time discussing aspects of the current debate on globalization such as the use of international labor standards, interactions between trade and environmental concerns.

[2] Course Learning Outcomes

Although the course will emphasize the understanding of past and current events in the world economy, we will rely on formal economic modeling to help us understand these events. We will therefore extensively use micro-economic tools that you have learned in economic principles course(a pre-requisite for this class). It is extremely important that you not only be familiar with these tools and models, but that you also feel comfortable using and manipulating them. If you are taking this class, I will assume this to be the case. If you do not feel absolutely comfortable with these models, I strongly urge you to review your economic principle course text and notes early on in the semester.

[3] Class Delivery Method

All the lectures and exams as well as questions and answers during classes will be given in English. The classes will proceed both on and off-line for a better understanding of materials as well as the safety and convenience of students.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
75 %	10 %	10 %	0 %	0 %	0 %	0 %	5 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	75 %	25 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Krugman, Obstfeld, Melitz	Publisher	Pearson	Textbook	International Economics Theory and Policy, 11th edition	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

Handouts on International trade policy issues

[6] Weekly lesson plans

First week	Introduction
Second week	World Trade: An Overview
	<p>(3) Author Publisher Textbook Issued year</p> <p>(4) Author Publisher Textbook Issued year</p> <p>(5) Author Publisher Textbook Issued year</p> <p>[Other books]</p> <p>[6] Weekly lesson plans</p> <p>First week Introduction</p> <p>Second week World Trade: An Overview</p> <p>Third week Labor Productivity and Comparative Advantage</p> <p>Fourth week Labor Productivity and Comparative Advantage(CA)</p> <p>Fifth week Resources, CA and Income Distribution</p> <p>Sixth week Resources, CA and Income Distribution</p> <p>Seventh week The Standard Trade Model</p> <p>Eighth week The Standard Trade Model</p> <p>Mid term exam</p>

<p>Third week</p>	<p>Ninth week Economies of Scale, Imperfect Competition and Trade</p> <p>Tenth week Economies of Scale, Imperfect Competition and Trade</p> <p>Eleventh week International Factor Movements</p> <p>Twelfth week International Factor Movements</p> <p>Thirteenth week International Trade Policy: Instruments of Trade Policy</p> <p>Fourteenth week International Trade Policy: Instruments of Trade Policy</p> <p>Fifteenth week The Political Economy of Trade Policy and Review</p> <p>Sixteenth week Review and Final Exam</p> <p>[7] Assignments</p> <p>The first assignment assignment submission date</p> <p>purpose</p> <p>procedure & notice</p> <p>references</p> <p>The second assignment assignment submission date</p> <p>purpose</p> <p>procedure & notice</p> <p>Labor Productivity and Comparative Advantage(CA)</p>
<p>Fourth week</p>	<p>Labor Productivity and Comparative Advantage(CA)</p>
<p>Fifth week</p>	<p>Resources, CA and Income Distribution</p>
<p>Sixth week</p>	<p>Resources, CA and Income Distribution</p>

Seventh week	The Standard Trade Model
Eighth week	The Standard Trade Model Midterm Exam
Ninth week	Economies of Scale, Imperfect Competition and Trade
Tenth week	Economies of Scale, Imperfect Competition and Trade
Eleventh week	International Factor Movements
Twelfth week	International Factor Movements
Thirteenth week	International Trade Policy: Instruments of Trade Policy
Fourteenth week	International Trade Policy: Instruments of Trade Policy
Fifteenth week	The Political Economy of Trade Policy and Review
Sixteenth week	Review and Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	THE U. S. ECONOMICS	Course Number	KAD6017001
Major / School Year	School of Northeast Asian Studies / 2	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 한도숙	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO220:화(7-8A), 수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed for the SONAS sophomore students with background in economic principles. This course will provide preparation for the U.S. Commerce Major students for studying abroad program. This course will enable students to understand the U.S. economy from the context of economic theory, history, politics and institutions. Each major economic issue will be examined with theoretical analysis and policy evaluations.

[2] Course Learning Outcomes

The objective of this course is to build up an appreciation for the relevance of economic analysis to social issues and to understand the general as well as specific issues for the U.S. economy.

[3] Class Delivery Method

All lectures will be given on each selected topic for the course. Discussions will follow after each lecture. All lectures and discussions will be in English.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	15 %	0 %	0 %	0 %	0 %	0 %	5 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	80 %	20 %

[4] Grading Policies

One midterm exam.: 35% , One final exam: 35%

Home assignment: 20%

Attendance and Class participation: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Wade	Publisher	M.E.Sharpe	Textbook	The American Economy	Issued year	2011
(2)	Author	Krugman	Publisher	The MIT Press	Textbook	The Age of Diminished Expectations	Issued year	1998
(3)	Author	Thomas	Publisher	Praeger	Textbook	Great Experiments in America	Issued year	1999

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	I. Conceptual Foundations Ch.1: Conceptual Agenda: Goals & Possibilities
Second week	Ch.1: Conceptual Agenda: Goals & Possibilities
Third week	Ch.2: The Market Economy: Pure & Simple
Fourth week	Ch.2: The Market Economy: Pure & Simple Ch.3: Governments in the Economy: The Limits of Interventions
Fifth week	Ch.3: Governments in the Economy: The Limits of Interventions
Sixth week	Ch.3: Governments in the Economy: The Limits of Interventions Ch.4: The Historical Foundation of American Economic Institutions & Ideas
Seventh week	Ch.4: The Historical Foundation of American Economic Institutions & Ideas
Eighth week	Review Midterm Exam.
Ninth week	II. Microeconomics Ch.5: When Firms Act as Pricemakers: Competition vs. Monopoly
Tenth week	Ch.5: When Firms Act as Pricemakers: Competition vs. Monopoly Ch.6: The Economics of Externalities and the Environment
Eleventh week	Ch.6: The Economics of Externalities and the Environment Ch.7: Health-Care Issues
Twelfth week	Ch.7: Health-Care Issues Ch.8: Factor Markets: Pricing & Productivity
Thirteenth week	Ch.8: Factor Markets: Pricing & Productivity Ch.9: The Distribution of Income: Dividing the Economic Pie
Fourteenth week	Ch.9: The Distribution of Income: Dividing the Economic Pie Ch.10: Government Expenditures & Taxation
Fifteenth week	Ch.10: Government Expenditures & Taxation
Sixteenth week	Review Final Exam.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	ENGLISH READING AND WRITING(2)	Course Number	KAD6025001
Major / School Year	School of Northeast Asian Studies / 2	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / Cruz Jr Fidel Richard	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class / lecture room	[SO218:월(1)(2)] [SO220:수(3)(4)]
Office hours			

[1] Outline / Purpose

The purpose of the course is to develop students' ability to read information and interpret it clearly in the written form. Students will also follow the basics of essay format and use various sources to strengthen their positions.

[2] Course Learning Outcomes

By the end of the semester, students should have the ability to read academic and fictional works and be able to identify the main idea as well as the main points that support the main idea. In addition, students should be able to understand and interpret symbolism in order to discover a writer's deeper purpose.

[3] Class Delivery Method

The class will include basic lecture of each new topic. Topics will be reinforced by the textbook. Moreover, reading passages in the text will highlight key points in the reading and writing process.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

The midterm and final will compose 30% of the final grade. Three essays will account for 45% of the grade while participation and assignments will be responsible for 5%. Combined, they will comprise 50%.

① Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Robert F. Cohen / Judy L. Miller	Publisher	Pearson	Textbook	NorthStar 5 Reading & Writing Fourth Edition	Issued year	2017
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Unit 1 The Brain: Neuroscience and Empathy
Second week	Unit 1 Lying: Lies and Truth
Third week	Review of Units 1 and 2. First essay
Fourth week	Unit 3 Personality: The Road to Success
Fifth week	Unit 4 Cross-Cultural Insights: What is Lost in Translation
Sixth week	Review Units 3 and 4. 2nd Essay
Seventh week	Unit 6 Social Media: Staying Connected Review for midterm
Eighth week	Midterm Exam
Ninth week	Unit 7 The Arts: The Cellist of Sarajevo 3rd Essay
Tenth week	Overview of literary terminology. Interpreting symbolism in literature. Assign short stories to read.
Eleventh week	Discussion of short stories and the assignment of additional short stories.
Twelfth week	Introduction to full-length novel as well as its overall themes. In-class reading/assigned reading.
Thirteenth week	In-class reading/assigned reading
Fourteenth week	In-class reading/assigned reading
Fifteenth week	In-class reading and final discussion of novel. Preparation for final examination.
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTERMEDIATE ENGLISH	Course Number	KAD6024001
Major / School Year	School of Northeast Asian Studies / 2	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / Cruz Jr Fidel Richard	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SO218:월(3)(4)] [SO220:수(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this course is the help students develop practical English-speaking skills.

[2] Course Learning Outcomes

By the conclusion of the semester, students should be able to listen to spoken English and competently reply to it. In addition, students should also be able to clearly ask questions to satisfy the wants and needs that occur in everyday life.

[3] Class Delivery Method

The class will use a main textbook to guide the day's lesson. The class will focus on introducing a topic and key vocabulary. After this is established, students will be broken into small groups in order to discuss questions in the textbook. In addition, students will be required to provide summaries of the group's findings. The bulk of the course will be interactive. Participation will be a key factor of the course. Student participation will drive the course. This will encourage students to utilize English in all of its forms.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

A face-to-face midterm and final will account for 30% of the final grade. Assignments (two face-to-face conversations) will account for 30% of the final grade. Active participation will comprise 20% of the final grade.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook	Issued year
	Anne Taylor / Michael A. Putlack	Darakwon, Inc.		Enhancing English Communication Skills: Communicative English	2009
(2)	Author	Publisher		Textbook	Issued year
(3)	Author	Publisher		Textbook	Issued year

[Reference books]

(1)	Author	Publisher		Textbook	Issued year
(2)	Author	Publisher		Textbook	Issued year
(3)	Author	Publisher		Textbook	Issued year
(4)	Author	Publisher		Textbook	Issued year
(5)	Author	Publisher		Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Unit 1: Greetings "Wh" Questions / Personal information
Second week	Unit 2: Family Comparative forms of adjectives/adverbs / Comparison of family members
Third week	Unit 3: Campus Life Simple past tense / School life and past activities
Fourth week	Unit 4: Shopping Subjunctive mood / Shopping preferences Schedule 1st face-to-face conversations
Fifth week	Unit 5: Asking for Directions Prepositions of location / How to find a location
Sixth week	Unit 6: At a Movie Theater Order of adjectives / Description of a movie
Seventh week	Unit 7: Travel Present perfect / A terrible trip
Eighth week	Midterm examination
Ninth week	Unit 8: On the Telephone Polite expressions / Taking a message
Tenth week	Unit 9: At a Restaurant Adjectives to describe food / Different kinds of restaurants
Eleventh week	Unit 10: Money Modal verbs of obligation / Advantages and disadvantages of cash & cc
Twelfth week	Unit 11: Weather Adverbs of frequency / Average season weather in cities Schedule 2nd face-to-face conversations
Thirteenth week	Unit 12: Job Interview Can, Could, and Be able to / Preparing for a job interview
Fourteenth week	Students will discuss six pre-chosen topics for the duration of the class with various members of class.
Fifteenth week	Final examination
Sixteenth week	Reserved for face-to-face conversations and or examinations by students ONLY with excused absences on those days.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Seminar on Northeast Asian Economy	Course Number	0006640001
Major / School Year	School of Northeast Asian Studies / 4	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김지영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

경제자료를 활용하여 경제 현상 및 국제통상 이슈를 분석하는 논문을 작성하며, 다양한 현실 경제 현상에 대해 토론하는 과목입니다.

[2] Course Learning Outcomes

1) 국제통상 및 다양한 경제현상과 관련된 연구주제를 발굴하고, 기초적인 수준의 학술논문을 작성하는 것을 목표로 합니다. 연구주제의 설정, 가용한 분석자료 구축, 주제를 분석하기 위한 경제적 모형의 구성, 실증분석을 위한 계량 모형의 선택 및 적용과 같은 실증분석연구방법을 학습합니다. 2) 주제별 발제와 토론을 진행합니다.

[3] Class Delivery Method

논문지도 및 토론 위주로 진행되며, 필요시 이론 또는 통계분석과 관련된 학습이 보완될 수 있습니다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	50 %	50 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	과목 소개 및 강의계획서 설명 연구주제 선정을 위한 토론 및 실증분석논문 작성을 위한 기초 교육
Second week	연구주제 1차 선정 및 피드백
Third week	관련 연구 등 참고문헌 및 가용 자료 파악을 통한 연구주제 수정
Fourth week	연구주제 확정 및 논문작성을 위한 타임라인 구성
Fifth week	이론적 배경 정리 및 자료수집
Sixth week	분석모형 설계 및 분석방법 논의
Seventh week	자료수집 및 DB 구축
Eighth week	논문 중간점검
Ninth week	자료 분석을 통한 1차 분석결과 도출
Tenth week	1차 분석결과 피드백 및 자료 보완
Eleventh week	2차 분석결과 도출
Twelfth week	논문 초안 작성
Thirteenth week	논문 중간 발표
Fourteenth week	논문 2차 초안 제출 및 피드백
Fifteenth week	최종논문 발표
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	SPECIAL TOPICS ON U.S. ECONOMY	Course Number	KAD6022001
Major / School Year	School of Northeast Asian Studies / 4	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 한도숙	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO220:월(7-8A), 수(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is mainly designed for the SONAS senior students. This course will cover major U.S. economic issues to help and prepare senior students to write thesis proposals.

[2] Course Learning Outcomes

The objective of this course is to enable SONAS students to understand major issues for the U.S. economy and apply economic tools to analyze problems and provide alternative policy directions.

[3] Class Delivery Method

Lectures will be given on major economic issues for the U.S. economy.
Each student will choose thesis topic and write a thesis proposal.
Students are required make presentations on their thesis proposals.
Active class participation and discussions are expected.
All lectures and presentations will be given in English.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	30 %	40 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	20 %	0 %	70 %	10 %

[4] Grading Policies

One final exam: 30%
Presentation: 25%
Thesis Proposal: 25%
Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Krugman	Publisher	W.W.Norton	Textbook	The Conscience of a Liberal	Issued year	2008
(2)	Author	Miller	Publisher	Pearson	Textbook	The Economics of Public Issues	Issued year	2012
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Krugman	Publisher	Norton	Textbook	Arguing with Zombies	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	1. The Way We Were
Second week	2. The Long Gilded Age
Third week	3. The Great Compression
Fourth week	4. The Politics of the Welfare State
Fifth week	5. The Sixties: A Troubled Prosperity
Sixth week	6. Movement Conservatism
Seventh week	7. The Great Divergence
Eighth week	8. The Politics of Inequality
Ninth week	9. Weapons of Mass Distraction
Tenth week	10. The Politics of Inequalities
Eleventh week	11. The Health Care Imperative
Twelfth week	12. Confronting Inequalities
Thirteenth week	13. Conscience of Liberal
Fourteenth week	14. Public Issues
Fifteenth week	15. Presentation of Thesis Proposals Public Issues
Sixteenth week	16. Presentation on Thesis Proposals

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Study on Chinese Economic Materials	Course Number	0006620001
Major / School Year	School of Northeast Asian Studies / 4	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김부용	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:수(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTRODUCTORY ECONOMICS 1	Course Number	0008815001
Major / School Year	Korean Trade & Commerce / 1	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김윤경	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class / lecture room	[SO218:목(2B-3)] [SO220:월(2B-3)]
Office hours			

[1] Outline / Purpose

This is an introductory undergraduate course that teaches the fundamentals of economic concepts and issues. Introductory Economics is designed for one year and this is the first course covering Microeconomics. This course introduces a framework for behaviors of consumers and firms. We also analyze economic decisions and explore more advanced topics in the economy.

[2] Course Learning Outcomes

This course provides a solid foundation for economic thinking and analysis. Students become competent in the basic terminology and methodology in Economics.

[3] Class Delivery Method

Lecture and Discussion (Further details will be provided in class.)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	N. Gregory Mankiv	Publisher	Cengage	Textbook	Principles of Economics	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Chapter 1: Ten Principles of Economics
Second week	Chapter 2: Thinking Like an Economist Chapter 3: Interdependence and the Gains from Trade
Third week	Chapter 4 :The Market Forces of Supply and Demand
Fourth week	Chapter 5: Elasticity and Its Application
Fifth week	Chapter 6: Supply, Demand, and Government Policies
Sixth week	Chapter 7: Consumers, Producers, and the Efficiency of Markets
Seventh week	Assignment 1
Eighth week	Midterm exam
Ninth week	Chapter 10: Externalities Chapter 11: Public Goods and Common Resources
Tenth week	Chapter 13: The Costs of Production Chapter 14: Firms in Competitive Markets
Eleventh week	Chapter 14: Firms in Competitive Markets Chapter 15: Monopoly
Twelfth week	Chapter 16: Monopolistic Competition Chapter 17: Oligopoly
Thirteenth week	Chapter 17: Oligopoly Chapter 18: The Markets for the Factors of Production
Fourteenth week	Assignment 2
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Mathematical Minimum for Quantitative Analysis	Course Number	0010123001
Major / School Year	Korean Trade & Commerce / 1	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 권재현	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(5B-6), 화(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

In this course, we will go over essential mathematics for data science and economic theory. Modern science utilizes computational powers of machines where central ideas are written in mathematical language. We would like to learn the language in which contemporary educated people speak.

[2] Course Learning Outcomes

This course prepares you to learn advanced topics such as probability theory, mathematical statistics, microeconomics, macroeconomics, econometrics, machine learning, and so forth. Covered are differentiation, integration, linear algebra, probability and distribution, and optimization.

[3] Class Delivery Method

The instructor gives a lecture mainly with slides. Since we need to do some complex computation, students are encouraged to bring their own laptop computers to the classroom. Homework assignments will be given occasionally, which might be comprised of numerical questions.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

(Exams) There are two exams: Midterm and final ones. Midterm exam accounts for 20% and final one for 40%. Students are allowed to use computers except for communicating with other people or ChatGPT-like AI. Exams are not cumulative.

(Attendance) We observe the University rule.

(Assignment) At least 5 homework assignments will be given. Students can work together. But they need to turn in the answers independently. Don't forget to write down the name(s) with whom you work. It's how to give a credit to a person who deserves.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Marc Peter Deisenroth, A. Aldo Raisal, and Cheng Soon Ong	Publisher	Cambridge University Press	Textbook	Mathematics for Machine Learning (https://mml-book.com , free PDF)	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class Overview Ch. 1. Introduction and Motivation
Second week	Limit, Differentiation, and Integration
Third week	Ch. 2. Linear Algebra (1/2)
Fourth week	Ch. 2. Linear Algebra (2/2)
Fifth week	Ch. 3. Analytic Geometry (1/2)
Sixth week	Ch. 3. Analytic Geometry (2/2)
Seventh week	Ch. 4. Matrix Decompositions (1/2)
Eighth week	Ch. 4. Matrix Decompositions (2/2) MIDTERM EXAM (April 25): The date may be subject to change. You are responsible for chapters 1–3.
Ninth week	Ch. 5. Vector Calculus (1/2)
Tenth week	Ch. 5. Vector Calculus (2/2)
Eleventh week	Ch. 6. Probability and Distributions (1/2) * Monday session, 5/15, will be made up to earlier, probably on a day of the 10th week. * Tuesday session, 5/16, will be substituted by video lecture.
Twelfth week	Ch. 6. Probability and Distributions (2/2)
Thirteenth week	Ch. 7. Continuous Optimization (1/2)
Fourteenth week	Ch. 7. Continuous Optimization (2/2) * Tuesday session, 6/6, will be substituted by video lecture.
Fifteenth week	FINAL EXAM (June 13): The date is fixed. It covers chapters 4–7. * Monday session, 6/12, will be held as a review session.
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Financial Economics	Course Number	0009531001
Major / School Year	Korean Trade & Commerce / 3	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김윤경	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO218:목(4-5A)] [SO220:월(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides an introduction to the concepts and uses of financial accounting information in a business environment and its role in the economic decision-making process. Accounting is referred to as the language of business.

[2] Course Learning Outcomes

Students will understand (1) how to record basic financial accounting information and prepare financial statements and (2) how to use financial accounting data in decision-making situations.

[3] Class Delivery Method

Lecture and Discussion

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Weygandt, Kimmel, and Kieso	Wiley	Financial Accounting with International Financial Reporting Standards (4e)	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction Chapter 1: Accounting in Action
Second week	Chapter 2: The Recording Process
Third week	Chapter 3: Adjusting the Accounts
Fourth week	Chapter 4: Completing the Accounting Cycle
Fifth week	Chapter 5: Accounting for Merchandise Operations
Sixth week	Chapter 6: Inventories
Seventh week	Chapter 7: Fraud, Internal Control, and Cash
Eighth week	Chapter 8: Accounting for Receivables
Ninth week	Chapter 9: Plant Assets, Natural Resources, and Intangible Assets Midterm
Tenth week	Chapter 10: Current Liabilities
Eleventh week	Chapter 11: Non-Current Liabilities
Twelfth week	Chapter 12: Corporations: Organization, Share Transactions, and Equity
Thirteenth week	Chapter 13: Investments
Fourteenth week	Chapter 14: Statement of Cash Flows
Fifteenth week	Chapter 15: Financial Analysis: The Big Picture Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	INTERNATIONAL COMMERCE OF KOREA	Course Number	0006624001
Major / School Year	Korean Trade & Commerce / 3	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 정승호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO117:수(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

In this course, we would examine economic relation of S. Korea with other nations. Based on the facts, we will evaluate various aspects of S. Korean economy mainly from economic perspective. Introductory Economics is a prerequisite. Intermediate Macroeconomics and International Economics would help but they are not mandatory

[2] Course Learning Outcomes

Korea's current economic relation with other nations and its historic origin

[3] Class Delivery Method

Instructor introduces major issues during lecture and students need to prepare their own presentation regarding topics of Korean trade relations.

And the class tentatively will be held in-person teaching in combination with online classes depending on social distance level. The detailed schedule will be announced at the e-learning site.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm examination: 20%

Final examination: 20%

Assignments/Presentations: 40%

Attendance: 20%

Extra credit: 10% at most

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Introduction
Second week	Historical overview1 (1948~)
Third week	Historical overview2 (1948~)
Fourth week	Theoretical background: Trade and growth 1
Fifth week	Trade policy : export promotion – light industries
Sixth week	Trade policy : export promotion – heavy industries
Seventh week	Trade policy : liberalization
Eighth week	mid-term
Ninth week	Bilateral trade relation : US
Tenth week	Bilateral trade relation : China
Eleventh week	Bilateral trade relation : Japan
Twelfth week	Korea's FTA Strategies1
Thirteenth week	Korea's FTA Strategies2
Fourteenth week	Class presentations1
Fifteenth week	Class presentations2industries Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Seminar on Korean Economy	Course Number	0006661001
Major / School Year	Korean Trade & Commerce / 4	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 정승호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO220:화(5B-6)] [SO224:월(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed for senior students who plan to write a graduation thesis. This course aims to This course introduces the fundamental of academic research in Economics and support students in developing research ideas for an individual thesis.

[2] Course Learning Outcomes

The purpose of this course is to write an academic thesis for the requirement for the Korean Commerce major. Each student will select their own topic and carry out the research throughout the semester.

[3] Class Delivery Method

There will be a series of seminars for presentation and discussion as well as in-depth supervision for the research and writing.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Proposal presentation: 20%

Thesis writing: 60%

The students require to submit more than a 20-pages long research paper following the KTC thesis format at the end of the semester.

The final score will be mainly determined by the quality of their research outcomes.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Academic writing 1
Third week	Academic writing 2
Fourth week	presentation of the Research proposal 1
Fifth week	presentation of the Research proposal 2
Sixth week	Individual Consulting 1
Seventh week	Individual Consulting 1
Eighth week	Individual Consulting 1
Ninth week	presentation first draft thesis 1
Tenth week	presentation first draft thesis 2
Eleventh week	Individual Consulting 1
Twelfth week	Individual Consulting 2
Thirteenth week	Individual Consulting 3
Fourteenth week	Thesis Writing
Fifteenth week	Final draft due
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to Film and Media Studies	Course Number	0009089001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 조지민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM505:수(5B-6)(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides an introduction to a range of approaches to viewing and analyzing films from the languages, aesthetics, and cultures of cinema. You will build vocabulary of film form and learn to construct an argument about what a film's sounds and images mean and how it structures and achieves its meaning, with a brief overview of the study of film genre, film history, and film theory.

Special attention will be paid to writing about film, and this course will develop the critical thinking and writing skills needed for academic film analysis. By the end of the course, students will be able to define and employ terms and concepts fundamental to film studies, and ultimately write analytical essays that show an understanding of film form and culture.

[2] Course Learning Outcomes

1. To learn the fundamentals required for film study.
2. To understand the basic terms and techniques needed for discussing film.
3. To apply these terms and techniques descriptively and functionally in film analysis.
4. To read and interpret films in their cultural contexts.
5. To articulate your understanding of film and filmmaking knowledgeably and effectively, through both written and oral presentations, and thereby to create well-organized, thoughtful critical analyses of films viewed.
6. To form an intellectually challenging, supportive, and fun classroom community of viewers, readers, writers, and learners.

[3] Class Delivery Method

Lecture, Discussion, Viewing films, Analysis and Presentations
ENGLISH LECTURE (NO KOREAN)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	10 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	10 %	0 %	10 %	0 %

[4] Grading Policies

Please refer to paper syllabus provided on first day of lecture

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Barsam, R. M., & Monahan, D.	Publisher	Norton & Company	Textbook	Looking at Movies: An introduction to film.	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Hornaday, Ann	Publisher		Textbook	Talking Pictures: How to Watch Movies	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Topics: Exploring the work and assumptions of cinematic language; becoming a critical viewer; seeing film through the lens of a filmmaker
Second week	Topics: Principles of film form: Analyzing film in relation to form and content: verisimilitude; manipulation of time and space
Third week	Topics: Genres and elements of narrative; script format
Fourth week	Topics: Elements of a story
Fifth week	Topics: Thinking about images: Exploring visual design; mise-en-scene; elements of design; composition & kinesis
Sixth week	Topics: Thinking about moving images: Exploring cinematography; the relationship of people and things to one another in film; implied proximity; depth; camera angles and movement; speed and length of shot
Seventh week	Topics: Documentary: Exploring film history; aesthetics, technology, economics and social history
Eighth week	Topic: Group Presentation
Ninth week	Topics: Acting and aspects of performance; styles and influences Week Ten: 9 Nov
Tenth week	Topics: Editing
Eleventh week	Topics: Sounding out the image: exploring sound and dialogue; juxtaposition and meaning, duration, pace and rhythm, transitions; the relationship of sound to image, diegetic vs. non-diegetic, recording techniques, sound design
Twelfth week	Topics: effects of Social Media
Thirteenth week	Topics: The Relationship of the viewer to the film; audience demographics: film as moral, philosophical, or social statements; film as emotional or sensual experience and Asian representation in film and media,
Fourteenth week	Review paper Presentation
Fifteenth week	Review paper Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment	Tell a story in 6 photos and story board	submission date	
	purpose	Structure and composition of story and visualize the organize the composition		
	procedure & notice			
	references			
The second assignment	assignment	Film analysis (group work)	submission date	
	purpose	fundamental concepts of narrative story structure within a screenplay		
	procedure & notice			
	references			
The third assignment	assignment	Critical review Paper	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introductory College Writing	Course Number	0009081001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Institute of General Education / 피터 래버	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM404:목(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

The principal goal of this course is, most obviously, to help you to improve and fine-tune your writing skills. Its more subtle goal is to enable you to see the extent to which your perception of the "world" is determined by language, and to help you to use language in ways essential to discovery, to learning, and to knowing. Thus, Introductory College Writing is, first and foremost, a survival course in that it teaches you the writing skills that will improve your chances of success in any field of study or occupation. More immediately, this class is designed to prepare you to handle the writing assignments you will be given during your career at INU. Only in successfully completing the writing assignments in your courses (and, quite naturally, also in this course) will you be able to "survive" at INU and graduate with strong qualifications for the job world. Welcome and enjoy!

[2] Course Learning Outcomes

As the title of this course suggests, Introductory College Writing will focus on composition—on the art of arranging and developing your ideas in writing. This means that the course attempts to teach you to write, mainly by examining, analyzing and practicing various modes of writing. (It is not a course in spelling, grammar, and mechanics, even though we may take time out to talk about these). On a most fundamental level, its goal is to raise your awareness with regard to both your writing and reading. Through the careful study of thought-provoking texts you will develop better reading skills and understand the effects of these texts on you more clearly. At the same time, frequent assignments in and out of class will sharpen your writing skills and make you more aware of your own way/style of writing. Only by understanding more clearly the nature of your own writing will you be able to make use of the suggestions of improvement that are at the center of this course.

[3] Class Delivery Method

This course focuses on writing for Academia and as such we will start with basic sentence structure and move into writing paragraphs by the end of the semester. We will write and read every week during class to prepare you for the academic world.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Grading and attendance -

Attendance as a policy at our school is 20%. Each class we will have practical practice and feedback. As there will be no homework, this will be your only time to get feedback on your writing. You will need to come to improve.

Exams

There will be a midterm and a final exam. The midterm exam will be on the general and specific structures of the sentence: theoretical and practical knowledge will be tested. The final exam will be the same but about paragraphs. You will need to prepare for and study using the book.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dorothy Zemach / Carlos Islam	Publisher	Macmillan Education	Textbook	Writing: Paragraphs: From Topic to Paragraph	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Beginning to Work
Third week	Topic Sentences
Fourth week	Adjectives
Fifth week	Capitalization / Adjectives (continued)
Sixth week	How to begin: Finding a place to start. What to write about.
Seventh week	Opinion Sentences – Getting your point across.
Eighth week	Midterm
Ninth week	Explaining Cause and Effect
Tenth week	Logical Order of supporting sentences
Eleventh week	Time expressions in paragraphs
Twelfth week	Comparison Paragraphs
Thirteenth week	Explaining your decisions
Fourteenth week	Writing about the Future
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission	

The third assignment			date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Language and Culture	Course Number	0009083001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 조지민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM505:목(5B-6)(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This aim of this course is to acquire a basic knowledge of scientific paradigms and research methods through reviews of a wide variety of culture and language, and interconnectedness between language and culture. Through research, examines the way language reflects beliefs and values of a society, and analyses the influences culture and language on behavior.

[2] Course Learning Outcomes

1. describe, discuss and apply central/basic concepts and methods for collection, process, presentation and interpretation of data. ;
2. understand the practical as well as theoretical relevance in formulating a research problem and its relationship to design of methods;
3. relate ethically and responsibly to the collection and processing of data;
4. assess and value the quality of research results;
5. evaluate information and data from different type of sources;
6. write an academic report based on an autonomously conducted empirical study
7. Understand how the use of language has a symbolic relationship with culture
8. Identify the ways in which the students uses language in daily life
9. Understand how language enables, structures and contained our interactions
10. Understand how language and culture have affected one another

[3] Class Delivery Method

Lectures, discussions, presentation
ALL English
No Korean in class

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kramsch and Widdowson	Publisher	Oxford University Press	Textbook	Language and Culture.	Issued year	2001
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Nunan and Choi	Publisher	Routledge	Textbook	Language and Culture:reflective narratives and the emergence of identity	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and welcome to class V: Understanding anthropology Z: Describe syllabus and research
Second week	The concept of culture V: What is culture Z: Topic ideas
Third week	Research methods in cultural studies V: Research methods–literature review Z: Topic and research question
Fourth week	Language V: What is language Z: Literature review
Fifth week	Language and Cultural Identity V: Cultural identity Z: Identify gaps in literature
Sixth week	Research methods Part 2 V: Research methods Z: Choice of methods and sampling Literature review chapter due
Seventh week	Language and communication V: Dialects, Code switching, Nonverbal communication Z: Research methods– APA reference, making research questions
Eighth week	Language in action V: Literacy, Using language, Approach to understanding language in action, Writing and literacy Z: Research methods– distribution and collecting
Ninth week	Marriage and family V: Function, Mate selection, Roles, etc. Z: Research methods– analyzing data, graphs, SPSS, NVivo etc.
Tenth week	Kinship and descent V: Defined, Cultural rules, Using kinship diagram, Principles of kinship classification Z: Academic writing– Discussion
Eleventh week	Social stratification V: Dimensions of social inequality, Types of societies, Racial and ethnic stratification, Race and intelligence, Theories of stratification, Z: Academic writing– Limitation and conclusion
Twelfth week	Sex and gender V: Human sexuality, Gender roles, Gender and language, Gender stratification, Exploitation caused by gender Z: Academic writing– Connecting paragraph and words
Thirteenth week	Culture change and globalization V: Inventions/innovations, Diffusion, Acculturation and Linked changes Z: Free discussion Final paper due
Fourteenth week	Presentation
Fifteenth week	Presentation
Sixteenth week	Presentation

[7] Assignments

The first assignment	assignment	Group Discussions	submission date	
	purpose	communication		
	procedure & notice	Students will collect research articles and bring to class to critically discuss in groups		
	references			
	assignment	Topic of choice	submission date	2021-04-11 Sun

The second assignment	purpose	literature review		
	procedure & notice	Students will conduct literature review and write up the literature reivew section, the first part of the final paper.		
	references			
The third assignment	assignment	Research on topic of choice and final research paper	submission date	2021-05-30 Sun
	purpose	research		
	procedure & notice	students will conduct a research project on the topic of "how effective is English as a medium of instruction"		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Language and Culture	Course Number	0009083002
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 조지민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM505:수(1-2A)(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This aim of this course is to acquire a basic knowledge of scientific paradigms and research methods through reviews of a wide variety of culture and language, and interconnectedness between language and culture. Through research, examines the way language reflects beliefs and values of a society, and analyses the influences culture and language on behavior.

[2] Course Learning Outcomes

1. describe, discuss and apply central/basic concepts and methods for collection, process, presentation and interpretation of data. ;
2. understand the practical as well as theoretical relevance in formulating a research problem and its relationship to design of methods;
3. relate ethically and responsibly to the collection and processing of data;
4. assess and value the quality of research results;
5. evaluate information and data from different type of sources;
6. write an academic report based on an autonomously conducted empirical study
7. Understand how the use of language has a symbolic relationship with culture
8. Identify the ways in which the students uses language in daily life
9. Understand how language enables, structures and contained our interactions
10. Understand how language and culture have affected one another

[3] Class Delivery Method

Lectures, discussions, presentation
ALL English
No Korean in class

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kramsch and Widdowson	Publisher	Oxford University Press	Textbook	Language and Culture.	Issued year	2001
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Nunan and Choi	Publisher	Routledge	Textbook	Language and Culture:reflective narratives and the emergence of identity	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and welcome to class Understanding anthropology Describe syllabus and research
Second week	The concept of culture What is culture Topic ideas
Third week	Research methods in cultural studies Research methods–literature review Topic and research question
Fourth week	Language What is language Literature review
Fifth week	Language and Cultural Identity Cultural identity Identify gaps in literature
Sixth week	Research methods Part 2 Research methods Research methods and sampling Literature review chapter due
Seventh week	Language and communication Dialects, Code switching, Nonverbal communication Research methods– APA reference, making research questions
Eighth week	Language in action Literacy, Using language, Approach to understanding language in action, Writing and literacy Research methods– distribution and collecting
Ninth week	Marriage and family Function, Mate selection, Roles, etc. Research methods– analyzing data, graphs, SPSS, NVivo etc.
Tenth week	Kinship and descent Defined, Cultural rules, Using kinship diagram, Principles of kinship classification Academic writing– Discussion
Eleventh week	Social stratification Dimensions of social inequality, Types of societies, Racial and ethnic stratification, Race and intelligence, Theories of stratification, Academic writing– Limitation and conclusion
Twelfth week	Sex and gender Human sexuality, Gender roles, Gender and language, Gender stratification, Exploitation caused by gender Academic writing– Connecting paragraph and words
Thirteenth week	Culture change and globalization Inventions/innovations, Diffusion, Acculturation and Linked changes Free discussion Final paper due
Fourteenth week	Presentation
Fifteenth week	Presentation
Sixteenth week	Presentation

[7] Assignments

The first assignment	assignment	Group Discussions	submission date	
	purpose	communication		
	procedure & notice	Students will collect research articles and bring to class to critically discuss in groups		
	references			
	assignment	Topic of choice	submission date	2021-04-11 Sun

The second assignment	purpose	literature review		
	procedure & notice	Students will conduct literature review and write up the literature reivew section, the first part of the final paper.		
	references			
The third assignment	assignment	Research on topic of choice and final research paper	submission date	2021-05-30 Sun
	purpose	research		
	procedure & notice	students will conduct a research project on the topic of "how effective is English as a medium of instruction"		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	TENNIS	Course Number	0003599001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 변경호	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZB101:수(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

This class is designed for the beginner of tennis. Student will be taught basic tennis skills (forehand, serve and rally) and basic tennis knowledge (rule, etiquette and scoring system). All students are expected to reach a proficiency level that will enable to play tennis recreationally. Increased physical activity will be a major focus of this course.

[2] Course Learning Outcomes

The students will have the opportunity to develop 1) fundamental tennis skills, 2) knowledge of rules, etiquette and scoring system.

[3] Class Delivery Method

- Practice, Assignment, Mid/Final Exam

Each class will begin with each student obtaining a partner and balls to begin a 10 to 15 minute warm-up (rally in a short court). After a warm-up, the instructor will give a lesson (10-15 minutes) on the introduction of a new skill or practice including demonstration of the skill. Then, students will participate in the practice of specific skill in a group setting explained by the instructor.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	0 %	0 %	70 %	10 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction and syllabus
Second week	– How to grip in tennis (Western, Eastern, Continental grip) – Control the tennis racket – Skill assessment
Third week	– Rally in short court – Forehand stroke1
Fourth week	– Rally in short court – Forehand stroke2
Fifth week	– Rally in short court – Forehand stroke3
Sixth week	– Rally in short court – Serve1
Seventh week	– Rally in short court – Serve2
Eighth week	Midterm Exam (20%)
Ninth week	– Rally in short court – Serve3
Tenth week	Doubles Play
Eleventh week	Doubles tournament
Twelfth week	Doubles tournament
Thirteenth week	Single Play
Fourteenth week	Singles tournament
Fifteenth week	Singles tournament
Sixteenth week	Final Exam (40%)

[7] Assignments

The first assignment	assignment	Self-practice reports	submission date	2022-06-13 Mon
	purpose	encourage all student to play tennis outside of class		
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Understanding Business	Course Number	0009076001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Business Administration / 김경미	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	
Office hours		lecture room	

[1] Outline / Purpose

This course examines the foundations of business. This is the cornerstone business course that includes topics in accounting, finance, information systems, management, marketing, and operations. The course demonstrates how the core business areas are interrelated with one another. This is an applied class in which students will engage in the process of making business decisions through a wide range of activities. In addition, this course will provide you with basic skills and knowledge to begin your career and help you succeed.

[2] Course Learning Outcomes

After completion of this course, students should be able to:

- Demonstrate an understanding of legal, financial, MIS, marketing, accounting, operations, and management issues involved with business decisions and innovations.
- Evaluate the commercial potential for new products or services and business improvements
- Evaluate the commercial potential for new products or services and business improvements.
- Evaluate the commercial potential for new products or services and business impro

[3] Class Delivery Method

Determination of Course Grade:

Mid-term exam	25%	
Final exam		25%
Quizzes and homework	10%	
Team oral presentation and materials		20%
Attendance		20%
Total		100%

Letter grades will be based on the following schemes.

A+: 950 to 1,000, A: 900 to 949.9
 B+: 850 to 899.9, B: 800 to 849.9
 C+: 750 to 799.9, C: 700 to 749.9
 D+: 650 to 699.9, D: 600 to 649.9
 F: below 600

Each student will earn and credit points toward his/her final grade through every single activity.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
65 %	5 %	0 %	0 %	20 %	0 %	0 %	10 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	20 %	0 %	0 %	20 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Nickels, McHugh and McHugh	Publisher	McGraw Hill	Textbook	Understanding Business	Issued year	2012
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

--	--	--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation, Introduction and class plan
Second week	Business trends 1
Third week	Business trends 2
Fourth week	Understanding economics 1
Fifth week	Understanding economics 2
Sixth week	Doing business in global markets 1
Seventh week	Doing business in global markets 2
Eighth week	Mid term
Ninth week	Demanding ethical and social responsibility 1
Tenth week	Demanding ethical and social responsibility 2
Eleventh week	How to form a business 1
Twelfth week	How to form a business 2
Thirteenth week	Entrepreneurship and starting a small business 1
Fourteenth week	Entrepreneurship and starting a small business 2
Fifteenth week	Final exam
Sixteenth week	make up class

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	
	purpose			

The third assignment		
	procedure & notice	
	references	

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Public Issues and Controversies	Course Number	0004330001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01099317360	A weekday / class /	[SM107:목(5B-6)(7-8A)]
Office hours	T 10:30-12:00, Th 10:30-12:00, F 10:30-12:00	lecture room	

[1] Outline / Purpose

To teach students to better informed about public issues, how to evaluate and act on issues as a citizen, and how to understand issues in a policy framework.

[2] Course Learning Outcomes

Each student should be better informed about public issues, should understand the distinction between public and other issues, understand policy approaches to issues, and be better equipped to study in English at university.

[3] Class Delivery Method

The class proceeds with a presentation of general policy and issue-related concepts, followed by a series of popular issues and controversial topics presented through readings and addressed through student discussions, and reinforced through presentations where the students apply course concepts to issues of their concern. A large part of class time will be devoted to discussion, both in class and through the online E-Learning system.

The course has online videos available and will move to a Zoom format for conducting class if needed for safety and health.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	50 %	20 %	10 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	10 %	0 %	0 %	0 %	0 %	80 %

[4] Grading Policies

Grading: 20% Preparation/Participation 20% Midterm
20% Attendance 20% Presentation 20% Final

Preparation/Participation will be evaluated through online quizzes, in-class discussion, and participation in online discussions. There will be two written exams, a midterm and a final. There is an individual class presentation.

The reading should be done prior to class so that class time may focus on questions, review and practical exercises. Attendance is an important part of the course. If you are unable to attend the class, you should contact the professor as far in advance as possible. A good-faith effort should be made to participate in class. Student questions are encouraged, especially on work and general English topics.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Problems and Issues
Second week	Discussion, Debate, and Creative Thinking
Third week	Frames Energy
Fourth week	Fake News The Environment
Fifth week	Policy Models Employment
Sixth week	Governance and Government Action Gender Equality
Seventh week	Midterm Review Inequality
Eighth week	Midterm
Ninth week	Corruption
Tenth week	Trade
Eleventh week	Security
Twelfth week	Suicide
Thirteenth week	Birth Rate
Fourteenth week	Memorial Day Online Final Exam
Fifteenth week	Final Due Presentations
Sixteenth week	

[7] Assignments

The first assignment	assignment	Final Presentation	submission date	2022-06-13 Mon
	purpose	Apply course concepts		
	procedure & notice	Approve a topic applying course concepts with the professor and present according to agreed class standards (powerpoint, date, format).		
	references			
The second	assignment		submission date	
	purpose			

assignment	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Running and Health	Course Number	0010538001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 변경호	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZC102:수(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 달리기를 통하여 건강과 체력을 향상 시키는데 있다.

[2] Course Learning Outcomes

본 수업은 다음과 같은 세부 목표를 가진다.

1. 체력 수준을 평가를 통해 자신의 건강 및 체력 상태를 이해하고, 건강 및 체력 향상을 위한 목표를 세울 수 있다.
2. 올바른 주법을 익히고, 달리기를 통한 건강 증진 방법을 이해하고 실천할 수 있다.
3. 건강한 신체조성을 위한 식습관을 이해하고 실천한다.

[3] Class Delivery Method

실기 50%

과제 30%

출석 20%

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	근육량 및 체지방 분석 - 식습관 기록 방법 설명
Third week	체력 평가 - 1200미터 달리기 - 최대 심박수 체크하기 - 달리기 속도 / 보폭 분석
Fourth week	기본 주법 배우기 - 단거리 달리기
Fifth week	단거리 인터벌 트레이닝 I 400 미터 * 5
Sixth week	단거리 인터벌 트레이닝 II 800 미터 * 3
Seventh week	단거리 인터벌 트레이닝 III 1.2K 달리기 * 2
Eighth week	중간고사 - 2K 달리기
Ninth week	페이스 조절하며 달리기 I - 2K 달리기 (10분 / 1km) - 심박수 체크하기
Tenth week	페이스 조절하며 달리기 II - 2K 달리기 (8분 / 1km) - 심박수 체크하기
Eleventh week	중거리 달리기 I - 2K 달리기 * 2 - 심박수 체크하기
Twelfth week	중거리 달리기 II - 3K 달리기 - 심박수 체크하기
Thirteenth week	중거리 달리기 III - 4K 달리기
Fourteenth week	중거리 달리기 IV - 5K 달리기
Fifteenth week	기말고사 - 5K 달리기
Sixteenth week	

[7] Assignments

The first assignment	assignment	식습관 및 달리기 기록지	submission date	2023-06-09 Fri
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Running and Health	Course Number	0010538002
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 윤기준	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZC102:월(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업의 목적은 문화로서의 달리기를 체험하고 이를 바탕으로 건강/운동 체력을 증진시키는 데 있다.

[2] Course Learning Outcomes

세 가지의 목표는 다음과 같다.

1. 달리기를 통한 건강 증진 방법을 이해하고 실천할 수 있다.
2. 문화(culture)로서의 달리기를 이해하고 실천할 수 있다.
3. 건강 증진에 도움이 되는 식습관을 이해하고 실천할 수 있다.

[3] Class Delivery Method

출석을 제외한 수업 내용의 비율은 다음과 같다.

1. 실기(70%)
2. 과제(30%)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션 과제 및 실습 내용 안내
Second week	체력 상태 점검 달리기 기본자세 배우기
Third week	문화로서의 달리기 이해하기 BMI 측정 100, 200, 400m 달리기
Fourth week	중장거리 달리기 관련 이론 배우기 1km 기록 측정하기 주간 식습관 자기 반성
Fifth week	400m 인터벌 주간 식습관 자기 반성
Sixth week	800m 인터벌 주간 식습관 자기 반성
Seventh week	1km 달리기(8:00/1km 페이스)
Eighth week	중간고사 주간 식습관 자기 반성
Ninth week	1km 달리기(최대강도: 50% HR) 인터벌 달리기
Tenth week	1km 달리기 (최대강도: 60% HR) 인터벌 달리기
Eleventh week	2km 달리기(최대강도: 60% HR) 인터벌 달리기
Twelfth week	2km 달리기(최대강도: 70% HR) 러닝크루 체험하기
Thirteenth week	3km 달리기(최대강도: 70% HR) 러닝크루 체험하기
Fourteenth week	5km 달리기(최대강도: 70% HR) 러닝크루 체험하기
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Global PR Campaigns A Case Study Approach	Course Number	0008630001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Mass Communication / 김지선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM502:월(5)(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

The course is designed to introduce students to the global perspective of public relations with an emphasis on analyzing and evaluating real-world global PR campaigns. Topics and issues discussed include global PR strategy, social media campaigns, international/intercultural communication, corporate social responsibility (CSR), public service announcements (PSAs), and case studies.

[2] Course Learning Outcomes

- Understand the influences of key international factors and variables on the practice of public relations, from research and strategy through implementation and evaluation.
- Make good strategic and ethical decisions regarding issues of global PR.
- Gain experience working collaboratively in a group to evaluate global PR campaigns
- Develop a better global perspective, positively affecting their personal worldview and professional practice.

[3] Class Delivery Method

Various methods will be employed in this course: lecture, discussion, and presentation. Interactive classroom discussions will enhance learning, but are dependent on student participation. Grades are earned not given. You are responsible for your own success in the course.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	20 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	40 %	0 %	60 %	0 %

[4] Grading Policies

Grades are earned not given. You are responsible for your own success in the course. Final course grade will be based on these percentages: Attendance (20%), Participation (10%), Discussion Questions and Discussion Leader (10%), Midterm Exam (20%), Final Exam (20%), Final Team Project (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

There is no required textbook in this course. Instead all required readings will be posted on the course website.

[6] Weekly lesson plans

First week	Intro to Course *The instructor reserves the right to change the topics, assignments, grading system, and schedule if necessary. All changes will be announced in class.
Second week	What is PR? PR vs. Advertising vs. Marketing: What's the difference?
Third week	Global PR and Diverse Publics
Fourth week	Values and Cultures, Dimensions of Culture
Fifth week	PR Process: RACE
Sixth week	Cultural Differences & Communication
Seventh week	Global PR Campaign Examples
Eighth week	Midterm Exam
Ninth week	Campaign Program Planning
Tenth week	Communication Strategies
Eleventh week	Global PR Campaign Examples
Twelfth week	Global PR Campaign Examples
Thirteenth week	Team Discussion
Fourteenth week	Final Team Project Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	New Waves of Korean Culture	Course Number	0006404001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP212:금(4-5A)(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course is aimed to examine the issues having emerged in Korean society since 2000 through reviewing relevant movies in an effort to diagnose the present and forecast the future of Korea. In particular, a focus is placed on the values and lives of the Koreans in Korea that has entered into a multi-cultural society and thus on a way to internationally balanced perspective and the value of integration and collaboration will be sought.

[2] Course Learning Outcomes

This course is aimed to examine the issues having emerged in Korean society since 2000 through reviewing relevant movies in an effort to diagnose the present and forecast the future of Korea. In particular, a focus is placed on the values and lives of the Koreans in Korea that has entered into a multi-cultural society and thus on a way to internationally balanced perspective and the value of integration and collaboration will be sought.

[3] Class Delivery Method

This course is made up of lectures and group project. Each student group has to make a presentation at least once. Topic for presentation can be chosen in each group, but has to be related to the contents of lecture. It is expected that presentation will reflect a group's perspective on a specific issue or topic. In addition, each team has to establish its own stance on the theme of lecture and debate with other groups. No assignment will be given to individual students and final test will be given once in the last week of the course.

Attendance(20%), Team Project(40%), Test(40%)

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	0 %	0 %	15 %	0 %	0 %	15 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	1. Ode to My Father and Contemporary Korean History
Second week	2. Mother and Korean Family(1)
Third week	3. The Attorney and Democratization
Fourth week	4. Secret Sunshine and Korean Religion
Fifth week	5. The Characteristics of Korean Movie Theater
Sixth week	6. Masquerade and Korean Leadership Styles
Seventh week	7. Secret Reunion and Reunification
Eighth week	8. Test
Ninth week	9. Helpless and Financial Crisis
Tenth week	10. New World and Social Justice
Eleventh week	11. Veteran and Social Network Services
Twelfth week	12. Sunny and Korean Teenager
Thirteenth week	13. Punch and Multi-Cultural Society
Fourteenth week	14. The Throne and Korean Family(2)
Fifteenth week	15. The Future of Korean Cinema
Sixteenth week	16. Final Test

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Practical experience in Mice Sports and Tourism	Course Number	0010653001
Major / School Year	Dept. of Climate, Energy & Environment / 전학년	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김경미	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO201:화(01B)(02B)(03B)]
Office hours		lecture room	

[1] Outline / Purpose

이과목은 MICE, SPORTS and TOURISM 연계 전공학생들의 이분애에대한 취업을 돕기위한 과목으로 아주 실용적인 형태로 수업이 진행된다. 이수업에서는 연계전공의 분야별로 본인에 맞는 직업을 찾고 실질적으로 지원하고, Interview를 준비하는 경험을 한다.

[2] Course Learning Outcomes

writing a resume, job search in your interesting industry, writing a cover letter, preparing interview

[3] Class Delivery Method

Resume Building: 20%
 Finding Job source: 10%
 Writing cover letter: 30%
 Applying a job: 20%
 Attendance: 20%

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	50 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	0 %	0 %	30 %	0 %	50 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	None	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	김경미	Publisher	Textbook	Job Search Manual	Issued year	2021
(2)	Author		Publisher	Textbook		Issued year	
(3)	Author		Publisher	Textbook		Issued year	
(4)	Author		Publisher	Textbook		Issued year	
(5)	Author		Publisher	Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	나에게 맞는 분야 찾기
Third week	Job search
Fourth week	job search
Fifth week	Resume building
Sixth week	Resume Building
Seventh week	Resume Building
Eighth week	Submit Resume
Ninth week	Writing a cover letter
Tenth week	Writing a cover letter
Eleventh week	Writing a cover letter
Twelfth week	Submit a cover letter
Thirteenth week	preparing an interview
Fourteenth week	preparing an interview
Fifteenth week	preparing an interview
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Introduction to International Development and Cooperation	Course Number	0008884001
Major / School Year	International Development & Cooperation / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration / 타오	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358337	A weekday / class /	[SN104:월(8B-9),화(8B-9)]
Office hours	Tuesday mornings 10-11:30 am; Wednesdays 9-10:30 am	lecture room	

[1] Outline / Purpose

This course will introduce students to the field of international development cooperation (IDC) through different lenses: geopolitical relations, global economics, and public sector and nongovernmental organizational (NGOs) administration. If you are interested in working for an international NGO or a government agency such as KOICA, this is a useful class to take. Students will start with the history of IDC and its roots in the end of World War II, and progress up to the present and examine possible future scenarios. The course will also highlight South Korea's unique role in transitioning from a developing to a developed nation state, and how this affects the country's approach to IDC.

[2] Course Learning Outcomes

- 1) Be able to identify key historical influences in current development practices;
- 2) Be able to identify the major international institutions that have played key roles in advancing cooperation among nations;
- 3) Be able to discuss how development is interlinked with cooperation from both a governmental and non-governmental perspective; and,
- 4) Be able to demonstrate critical thinking and comprehension of the complex nature of sustainable economic development and international cooperation.

[3] Class Delivery Method

Students must come to class prepared for the discussion scheduled for that day. Course materials, including slides and readings, will all be available through the <http://cyber.inu.ac.kr> system. Since the course is conducted in English, students must make an effort to prepare in advance. If language skills are not sufficient to follow a lecture in English, then this is NOT the course for you.

Students progress will be evaluated at regular intervals throughout the semester. You should think of these as checkpoints: if you have been keeping up with the readings and the class discussions, then at each checkpoint, you will demonstrate that you have mastered the key contents of the course up to that point in time. For this reason, each checkpoint is progressively more complex and challenging. Each student will be issued a course passport where their progress can be documented.

㉓ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	45 %	0 %	0 %	0 %	0 %	5 %	0 %

㉔ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Attendance: Students will receive stamps in their course passports each week for attendance. Students who come and sleep through class will not receive a stamp.

Percentage of total grade: 20%

Checkpoint 1: Test of general knowledge at the end of the 4th week, all students will be given a comprehensive test of the courses materials presented up to that point. This will include a test of their mastery of the different historical players and organizations that have been integral to the field of IDC.

Percentage of total grade: 20%

Students who receive a grade of 90/100 or higher will receive an Alphabet Soup stamp in their course passport.

Checkpoint 2: Application of theory: At the beginning of the 8th week, students will be given a hypothetical development scenario, where they will be asked to demonstrate how particular theories would be expected to play out under the conditions present in the scenario. This is somewhat similar to running a simulation. Students will be given one week after receiving their scenarios to produce a paper outlining their development predictions based on different theoretical applications.

Percentage of total grade: 30%

Students who receive a grade of 90/100 or higher will receive a Theoretical Master stamp in their course passport.

Checkpoint 3: SWOT Analysis. From the 9th to 12th weeks, students will be learning from historical cases of IDC success and

failure. At the end of the 11th week, they will be given a case not covered in class and will perform a SWOT (Strengths/Weaknesses, Opportunities/Threats) analysis for the case. The SWOT analysis will be due one week later.

Percentage of total grade: 15%

Students who receive a grade of 90/100 or higher will receive a SWOT Star stamp in their course passport.

Checkpoint 4: Presentation before an expert panel: Here is where students get to demonstrate everything that they have learned over the course of the semester; they will give a ten-minute presentation before a panel of experts from the IDC community. They will choose an ongoing development project

between a donor nation or agency and a developing country, and they will outline their predictions for whether this effort will be successful. Their predictions will be based on the information they can gather on the project and their application of a theory (or set of theories) of their choosing. They will receive feedback on their presentations from the expert panel.

Percentage of total grade: 15%

Students who receive a grade of 90/100 or higher will receive an Expert stamp in their course passport.

Required readings: There will be weekly assignments of articles and reports, but there is one text that will be used throughout:

1) John Degenbol–Martinussen and Poul Engberg–Pederson. 2003. AID: Understanding International Development Cooperation. Trans. by Marie Bille. London: Zed Books. ISBN: 9781842770399.

Ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	John Degenbol–Martinussen and Poul Engberg–Pederson	Publisher	London: Zed Books. ISBN: 9781842770399	Textbook	AID: Understanding International Development Cooperation	Issued year	2003
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Week 1: The Beginning--What is International Development Cooperation? Activity: Discuss World War II, and lay the foundation for understanding the links between political battles, military goals, and the aftermath of the tenuous peace. Watch original footage of the beginnings of the Truman Doctrine and the creation of the Marshall Plan for Europe, and the American occupation forces in Japan and South Korea.
Second week	Week 2: Who Cooperates? Reading: Chs. 1 & 2, AID: Understanding International Development Cooperation. Activity: Organizational Alphabet Soup.
Third week	Week 3: The Different Paths (and Philosophies) for Development Readings: Chs. 3 & 4, AID: Understanding International Development Cooperation. Activity: Visit from Director Horvath, UNDP.
Fourth week	Week 4: The Rise of the Non-Profit Sector in Development Cooperation Readings: Ch. 8, AID: Understanding Development Cooperation. Activity: First Checkpoint: TEST Wednesday (which is actually Week 5--see assignments)

	below)
Fifth week	<p>Week 5: Introduction to Development Cooperation Strategies. Activity: Discuss results of first checkpoint. Focus on Korea's Development strategies and political relationships. Readings: Ch. 5, AID: Understanding International Development Cooperation.</p>
Sixth week	<p>Week 6: Bilateral and Multilateral Relations: the Shadows of Interventionist Approaches. Activity: Development ideology, focus on Angola and Somalia. Readings: Peter Burnell (2004). Foreign Aid Resurgent: New Spirit or Old Hangover? United Nations University WIDER. Angolas Political and Economic Development. 2008. Stephanie Hanson. Council on Foreign Relations. Somalia Rising from the Ashes. 2016. Sulaiman Momodu. Africa Renewal. Chs. 6 & 7, AID: Understanding International Development Cooperation.</p>
Seventh week	<p>Week 7: Globalism and Channelling Market Forces for Development Activity: How Development Financing Works to Achieve Sustainability—The Green Climate Fund in Action. Guest Speaker: TBA Readings: "The Return to Foreign Aid". 2017. Journal of Development Studies, 53(7): 998–1018.</p>
Eighth week	<p>Week 8: What Recipients Want and Need: Critiques of State Aid and the Rise of Civil Society. Activity: The Golden Handshake: Understanding Unintended Consequences. Readings: James C. Scott. 1999. Introduction and Part I. Seeing Like a State. New Haven: Yale University Press: pp. 1–84. Second Checkpoint Assignment Distributed.</p>
Ninth week	<p>Week 9: Evaluation: the first step in understanding success or failure. Here we focus on how success is determined, and by whom. Activity: Introduction to SWOT analysis as a method of evaluation. Readings: James C. Scott. 1999. Thin Simplifications and Practical Knowledge: Metis. In Seeing Like a State. New Haven: Yale University Press: pp. 307–341. Ch. 11, AID: Understanding International Development Cooperation. DUE: Application of Theory Paper (on Wednesday, April 26th in class.</p>
Tenth week	<p>Week 10: First case—Anatomy of a Success or Failure? Somalia. Activity: The Golden Handshake in Action in Mogadishu—But Time Marches On. Readings: "Development and Poverty in Sub-Saharan Africa". 2017. Tony Addison, Ville Pikkarainen, Risto Rönkkö, and Finn Tarp. United Nations University–WIDER. "Country Strategy for Development Cooperation, Somalia 2017–2020". Ministry of Foreign Affairs of Finland.</p>
Eleventh week	<p>Week 11: Second Case Haiti: the Impact of Natural Disaster Activity: Comparison of Haiti, Montserrat, and the Dominican Republic. Readings: Introduction. In Haiti: The Aftershocks of History. Laurent Dubois. New York: Metropolitan Books: pp. 1–14. Ch. 10, AID: Understanding International Development Cooperation. Checkpoint 3 Assignment Distributed.</p>
Twelfth week	<p>Week 12: Third Case—Vietnam—War, Recovery, and Resilience. Activity: Who Profits? Communist Capitalism and Poverty Reduction. Readings: Bruce Cumings. 2004. "Colonial Formations and Deformations: Korea, Taiwan, and Vietnam". In Decolonization: Perspectives from Now and Then. London: Taylor and Francis: pp. 278–298. Chs. 12–13, AID: Understanding International Development Cooperation. Guest Speaker: Ms. Nguyen Thuy Thi Minh, Deputy Director, Vietnam Trade and Development Commission. SWOT Analysis Due. (Wednesday, May 17th)</p>
Thirteenth week	<p>Week 13: Fourth Case Mongolia: Natural Resources but Divided People. Activity: How to reconcile resource wealth and domestic needs? Guest speaker—Prof. Daginnas Batsukh. Readings: Ch. 14, AID: Understanding International Development Cooperation. Mongolia: Land of Lost Opportunity. Rhiannon Hoyle. March 21, 2016. Wall Street Journal. https://www.wsj.com/articles/mongolia-land-of-lost-opportunity-1458518881. From Natural Resource Boom to Sustainable Economic Growth: Lessons for Mongolia. IMF Working Paper 15/90. April 30, 2015. Pranav Gupta, Grace Bin Li, and Jiangyan Yu.</p>
Fourteenth week	<p>Weeks 14–15: Student presentations and review. —Students will make a presentation where they choose a particular ongoing development project between a donor nation or agency and a developing country, and they will outline their predictions for whether this effort will be successful. They will identify their criteria for determining success, and link those criteria to a specific theoretical framework. They will then use the case to illustrate whether there are important components for success that are missing or present to make their predictions. These presentations will be shared and judged by members of the international cooperation and development community (e.g. representatives of KOICA, GCF, UNESCAP, and the UNDP).</p>
Fifteenth week	<p>Weeks 14–15: Continued student presentations and review. —</p>

Sixteenth week	Week 16: Makeup classes if necessary.
----------------	---------------------------------------

[7] Assignments

The first assignment	assignment	First checkpoint	submission date	2023-03-29 Wed
	purpose			
	procedure & notice	In class test on Wednesday: Tuesday's class will be review on March 28th		
	references			
The second assignment	assignment	Second checkpoint	submission date	2023-04-26 Wed
	purpose			
	procedure & notice	Theory application paper. Due in class.		
	references			
The third assignment	assignment	SWOT analysis	submission date	2023-05-17 Wed
	purpose	To analyze an IDC project's likelihood of success.		
	procedure & notice	This will be due on Wednesday,		
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Design seminar	Course Number	0008436001
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Design / 흥민석	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SQ313A:수(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

기업의 실무 디자인 process 학습을 통하여 디자인 진행 과정 전반을 심화한다.

Through learning the practical design process of a company, the overall design process is deepened.

1. 제품디자인 프로세스 이해와 과정

2. 상품화 프로세스와 디자인 마케팅 3. 기업 실무 디자인 프로세스

1. Understanding and process of product design process

2. Commercialization process and design marketing 3. Business design process

[2] Course Learning Outcomes

사례와 이론을 통해 실무에서 사용되고 있는 프로세스를 이해하고 실습한다.

효과적인 디자인 설계와 결과물로 사용자에게 만족감을 줄 수 있는 디자인을 제시 할 수 있도록 한다.

Through examples and theories, students understand and practice the processes used in practice.

It is possible to present a design that can give satisfaction to users with effective design design and results.

[3] Class Delivery Method

이론+실습+발표

- 프로세스 실무 사례를 통한 분석

- 세부 프로세스의 단계별 학습 및 토론 및 실습

- 개인 및 팀 프로젝트 진행 및 발표 평가

- 결과물 품평회

- Analysis through process practice cases

- Step-by-step learning and discussion and practice of detailed processes

- Evaluation of individual and team project progress and presentation

- Result Fair

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점

· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	수업개요 및 진행 방법 소개 Class outline and introduction
Second week	- 아이템 선정 발표 - 산업디자인 단계별 세부 프로세스 사례 분석 - 사용자 경험 사례(ux) - Announcement of item selection - Analysis of detailed process cases for each stage of industrial design - User experience case (ux)
Third week	- 아이템 선정에 대한 방향 설정 자료조사 - 사용자 분석 - Data research to set the direction for item selection - User analysis
Fourth week	- 개인별 아이템에 따른 사용자 분석 결과 토론 - 사용자 분석 - Discussion of user analysis results according to individual items - User analysis
Fifth week	- 아이템 자료조사 및 사용자 분석 - 개인별 진행과정과 아이템 선정 분석 - 디자인 요소 도출 방법 - Item data research and user analysis - Analysis of individual progress and item selection - How to derive design elements
Sixth week	- 디자인 요소 도출에 대한 검토 - 디자인 컨셉 도출 방법 - Review of derivation of design elements - How to derive the design concept
Seventh week	- 디자인 컨셉 도출 검토 - 사용자와 디자인 컨셉에 대한 합리적 도출 - 트렌드 분석 - Review design concept derivation - Reasonable derivation of user and design concept - Trend analysis
Eighth week	- 디자인 컨셉 및 아이디어 스케치 발표 및 평가 - 진행과정 PPT 제출 - Design concept and idea sketch presentation and evaluation - Submit PPT
Ninth week	- 컨셉 및 아이디어 스케치 보완 - 기능에 대한 적절성 분석 및 토론 - 트렌드 분석 - Supplement concept and idea sketch - Analyzing and discussing adequacy of functions - Trend analysis
Tenth week	- 아이디어 스케치 및 기초 모델링 보완 - 기능 표현에 대한 적절성 적용 - idea sketch and basic modeling - Relevance to functional expression
Eleventh week	-디테일 스케치 및 기능 표현 보완 -detailed sketches and functional expressions
Twelfth week	- 디테일 스케치 및 디테일 모델링 적용 및 토론 detailed sketches and functional expressions
Thirteenth week	- 디테일 모델링 및 표현 보완 detailed sketches and functional expressions
Fourteenth week	- 디자인 평가 및 수정 - 디자인 판넬 - Design evaluation and revision - Design panel
Fifteenth week	디자인 결과 발표 Presentation of design results
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Materials and methods for design	Course Number	0008442001
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Design /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SQ313A:목(9)(0+1)(0+2)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to understand materials and acquire knowledge about processing methods so that it can be used in the design process in the future.

[2] Course Learning Outcomes

Each group selects a material, investigates the type and processing method, and presents it. You can find a product where the material is used and show an example of processing.

[3] Class Delivery Method

Lecture progress, research, review and confirmation of presentation, and group presentations are conducted.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation (Lecture)
Second week	Material Selection Day (Grouping Day)
Third week	Research and Date (Confirmation Day)
Fourth week	Research and Date (Confirmation Day)
Fifth week	Research and Date (Confirmation Day)
Sixth week	1st Group Presentation (Glass & china)
Seventh week	Research and Date (Confirmation Day)
Eighth week	Research and Date (Confirmation Day)
Ninth week	2nd Group Presentation (Metal)
Tenth week	Research and Date (Confirmation Day)
Eleventh week	Research and Date (Confirmation Day)
Twelfth week	3rd Group Presentation (Natural material – wood, leather, stone)
Thirteenth week	Research and Date (Confirmation Day)
Fourteenth week	Research and Date (Confirmation Day)
Fifteenth week	4th Group Presentation (Plastic)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Future society and Asian value	Course Number	0008444001
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Design / 강인보	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2404A:수(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture is a Creative Design-linked major course taken by students majoring in design as well as ones majoring in other subjects. Considering the different level of understandings of design, students will explore the future society and the value of design formed by the convergence of design and various fields based on the understanding of design.

[2] Course Learning Outcomes

- Understanding of Design
- Understanding Design Methodology
- Development of product and service design capabilities

[3] Class Delivery Method

- Learning the value, role, and methodology of design through lectures
- Practicing design methodology through individual and team workshops
- Empowering communication skills through task presentations

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
25 %	20 %	10 %	40 %	0 %	0 %	0 %	0 %

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
5 %	0 %	0 %	0 %	5 %	0 %	90 %	0 %

[4] Grading Policies

- An attitude toward participation in a lecture
- Attitudes of individual and team participation in workshops
- The fidelity of the task-solving process
- The level of completeness of the final outcome of the assignment

a) Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Richard E. Nisbett	Publisher	김영사	Textbook	The Geography of Thought	Issued year	2004
(2)	Author	Roger Martin	Publisher	유엑스 리뷰	Textbook	The Design of Business	Issued year	2021
(3)	Author	Annie Jean-Baptiste	Publisher	유엑스 리뷰	Textbook	Building For Everyone: Expand Your Market With Design Practices From Google's Product Inclusion Team	Issued year	2021

[Reference books]

(1)	Author	도널드 노먼	Publisher	유엑스 리뷰	Textbook	도널드 노먼의 인간 중심 디자인	Issued year	2019
(2)	Author	마크 스틱도트, 야코프 슈나이더	Publisher	안그라픽스	Textbook	서비스 디자인 교과서 (This is Service Design Thinking)	Issued year	2012
(3)	Author	김병한	Publisher	가디언	Textbook	어스테크, 지구가 허락할 때까지	Issued year	2021
(4)	Author	존 헤스켓 저 / 김현희 역	Publisher	세미콜론	Textbook	로고와 이쑤시개	Issued year	2005
(5)	Author	하라 켄야	Publisher	안그라픽스	Textbook	내일의 디자인	Issued year	2019

[Other books]

- 김초엽 작가 도서
- 유발 하라리 작가 도서

[6] Weekly lesson plans

First week	Future Society and the Value of Design: - Course objectives and learning outcomes - Definition and role of design - The value of design (Design and Culture/Environment/Technology/and Human)
Second week	Future Society and the Value of Design: - Asian (traditional & global) design and its value in the global society - Future society and me (what will I look like in 10, 20, 30 years?)
Third week	Design and Culture: - A different perspective on the world of the East and the West, and Design of them - Food culture and design (Characteristics of product design by different food culture) - Design practice (Design Thinking process and methodology / Food culture and design of the Future)
Fourth week	Design and Culture: - Housing culture and design (Characteristics of residential space design by differences in residential environment) - Design practice (Future housing culture and design) [Individual task] Presentation of representative traditional and modern design cases in the motherland
Fifth week	Design and Culture: - Presentation of individual assignments - Clothing culture and design by cultural diversity, and global fashion design trends - Design practice (Future clothing culture and design)
Sixth week	Design and (Natural) Environment - Nature-inspired design (Bio-design, Biomimicry design) - Environmentally sustainable design - Design practice (Value proposal canvas / Brand design)
Seventh week	Design and (Natural) Environment [Design Workshop] Development of sustainable design products or services for a better future society. - Business Model Canvas - Idea Development / One-to-one feedback session
Eighth week	Midterm Exam (Interim Task Presentation) [Subject: Proposal for sustainable products or services that care about the natural environment] - Brand and communication design proposals for the products or services * Evaluation criteria: novelty of ideas, fidelity of progress, completeness of results, presentation skills
Ninth week	Design and Technology - Relationship between technology and design - The power of new technology and design for a future society - Design practice (Speculative design methodology and practice) [Personal assignment] Sharing useful site/book/app respectively
Tenth week	Design and Technology - Presentation of individual assignments [Design Workshop] Proposal for the design of future education (school) related products or services based on new technology. - Applying Speculative Design methodology & Design Thinking / Service Design methodology - Deriving and analyzing user needs, wants, and desires - Idea generation
Eleventh week	Design and Technology [Design Workshop] Continuing to propose future education (school) related products or services based on new technology - Coming-up with solutions - Image collage
Twelfth week	Future Society and Design Convergence (global commercialization of Eastern and Western cultures) [Design Workshop] Proposal for childbirth and funeral-related products or services considering the thought of the birth and death in the future society. - Applying Speculative Design methodology & Design Thinking / Service Design methodology - Deriving and analyzing user needs, wants, and desires - Defining product or service ideas for each team member
Thirteenth week	Future Society and Design Convergence (global commercialization of Eastern and Western cultures) [Design Workshop] Proposal for childbirth and funeral-related products or services considering the thought of the birth and death of the future society. - Development of team brand - Development of the team brand Value Proposition and Business Model Canvas - Development of product and service for each team member
Fourteenth week	Future Society and Design Convergence (global commercialization of Eastern and Western cultures) [Design Workshop] Proposal for childbirth and funeral-related products or services considering the thought of the birth and death of the future society. - Individual in-progress item feedback - Introduction to final assignment presentation
Fifteenth week	Final exam (presentation of final assignment) [Subject: Proposed products or services related to childbirth and funeral in the future society] - Cultural background - Brand and communication design proposals for the products or services * Evaluation criteria: novelty of ideas, fidelity of progress, completeness of results, presentation skills
Sixteenth week	

[7] Assignments

		Research and presentation of representative		
--	--	---------------------------------------------	--	--

The first assignment	assignment	traditional and modern design cases in the motherland	submission date	
	purpose	Share a representative design of the country (East and West) that the students think of.		
	procedure & notice	It is necessary to investigate images that can be shared with other students in class, and students' opinions on the selection of design are important.		
	references	강의 중 안내 예정		
The second assignment	assignment	Proposal for sustainable products or services that are environmentally friendly	submission date	
	purpose	Proposal of sustainable product or service design in the future based on the understanding of the difference in perspective and design between the East and the West.		
	procedure & notice	Evaluate the process of developing from ideas to a final product		
	references	생각의 지도(리처드 니스벳), 내일의 디자인(하라 켄야)		
The third assignment	assignment	Proposal of products or services related to childbirth and funeral in the future society	submission date	
	purpose	Imagining and visualizing the emergence of new products and services according to the future society and changes in human life		
	procedure & notice	Propose scenarios based on technology and reasonable context		
	references	서비스 디자인 교과서(마르크 스탁도른, 야코프 슈나이더)		

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Future society and Asian value	Course Number	0008444002
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Design / 강인보	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2404A:수(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture is a Creative Design-linked major course taken by students majoring in design as well as ones majoring in other subjects. Considering the situation of various students with different level of understandings of design, students will explore the future society and the value of design formed by the convergence of design and various fields based on the understanding of design.

[2] Course Learning Outcomes

- Understanding of Design
- Understanding Design Methodology
- Development of product and service design capabilities

[3] Class Delivery Method

- Learning the value, role, and methodology of design through lectures
- Practicing design methodology through individual and team workshops
- Empowering communication skills through task presentations

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
25 %	20 %	10 %	40 %	5 %	0 %	0 %	0 %

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
5 %	0 %	0 %	0 %	5 %	0 %	90 %	0 %

[4] Grading Policies

- An attitude toward participation in a lecture
- Attitudes of individual and team participation in workshops
- The fidelity of the task-solving process
- The level of completeness of the final outcome of the assignment

a) Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Richard E. Nisbett	Publisher	김영사	Textbook	The Geography of Thought	Issued year	2004
(2)	Author	Roger Martin	Publisher	유엑스 리뷰	Textbook	The Design of Business	Issued year	2021
(3)	Author	Annie Jean-Baptiste	Publisher	유엑스 리뷰	Textbook	Building For Everyone: Expand Your Market With Design Practices From Google's Product Inclusion Team	Issued year	2021

[Reference books]

(1)	Author	도널드 노먼	Publisher	유엑스 리뷰	Textbook	도널드 노먼의 인간 중심 디자인	Issued year	2019
(2)	Author	마르크 스틱도트, 야코프 슈나이더	Publisher	안그라픽스	Textbook	서비스 디자인 교과서 (This is Service Design Thinking)	Issued year	2012
(3)	Author	김병한	Publisher	가디언	Textbook	어스테크, 지구가 허락할 때까지	Issued year	2021
(4)	Author	존 헤스켓 저 / 김현희 역	Publisher	세미콜론	Textbook	로고와 이쑤시개	Issued year	2005
(5)	Author	하라 켄야	Publisher	안그라픽스	Textbook	내일의 디자인	Issued year	2014

[Other books]

- 감초엽 작가 도서
- 유발 하라리 도서

[6] Weekly lesson plans

First week	Future Society and the Value of Design: - Course objectives and learning outcomes - Definition and role of design - The value of design (Design and Culture/Environment/Technology/and Human)
Second week	Future Society and the Value of Design: - Asian (traditional & global) design and its value in the global society - Future society and me (what will I look like in 10, 20, 30 years?)
Third week	Design and Culture: - A different perspective on the world of the East and the West, and Design of them - Food culture and design (Characteristics of product design by different food culture) - Design practice (Design Thinking process and methodology / Food culture and design of the Future)
Fourth week	Design and Culture: - Housing culture and design (Characteristics of residential space design by differences in residential environment) - Design practice (Future housing culture and design) [Individual task] Presentation of representative traditional and modern design cases in the motherland
Fifth week	Design and Culture: - Presentation of individual assignments - Clothing culture and design by cultural diversity, and global fashion design trends - Design practice (Future clothing culture and design)
Sixth week	Design and (Natural) Environment - Nature-inspired design (Bio-design, Biomimicry design) - Environmentally sustainable design - Design practice (Value proposal canvas / Brand design)
Seventh week	Design and (Natural) Environment [Design Workshop] Development of sustainable design products or services for a better future society. - Business Model Canvas - Idea Development / One-to-one feedback session
Eighth week	Midterm Exam (Interim Task Presentation) [Subject: Proposal for sustainable products or services that care about the natural environment] - Brand and communication design proposals for the products or services * Evaluation criteria: novelty of ideas, fidelity of progress, completeness of results, presentation skills
Ninth week	Design and Technology - Relationship between technology and design - The power of new technology and design for a future society - Design practice (Speculative design methodology and practice) [Personal assignment] Sharing useful site/book/app respectively
Tenth week	Design and Technology - Presentation of individual assignments [Design Workshop] Proposal for the design of future education (school) related products or services based on new technology. - Applying Speculartivtive Design methodology & Design Thinking / Service Design methodology - Deriving and analyzing user needs, wants, and desires - Idea generation
Eleventh week	Design and Technology [Design Workshop] Continuing to propose future education (school) related products or services based on new technology - Coming-up with solutions - Image collage
Twelfth week	Future Society and Design Convergence (global commercialization of Eastern and Western cultures) [Design Workshop] Proposal for childbirth and funeral-related products or services considering the thought of the birth and death in the future society. - Applying Speculartive Design methodology & Design Thinking / Service Design methodology - Deriving and analyzing user needs, wants, and desires - Defining product or service ideas for each team member
Thirteenth week	Future Society and Design Convergence (global commercialization of Eastern and Western cultures) [Design Workshop] Proposal for childbirth and funeral-related products or services considering the thought of the birth and death of the future society. - Development of team brand - Development of the team brand Value Proposition and Business Model Canvas - Development of product and service for each team member
Fourteenth week	Future Society and Design Convergence (global commercialization of Eastern and Western cultures) [Design Workshop] Proposal for childbirth and funeral-related products or services considering the thought of the birth and death of the future society. - Individual in-progress item feedback - Introduction to final assignment presentation
Fifteenth week	Final exam (presentation of final assignment) [Subject: Proposed products or services related to childbirth and funeral in the future society] - Cultural background - Brand and communication design proposals for the products or services * Evaluation criteria: novelty of ideas, fidelity of progress, completeness of results, presentation skills
Sixteenth week	

[7] Assignments

		Research and presentation of representative		
--	--	---------------------------------------------	--	--

The first assignment	assignment	traditional and modern design cases in the motherland	submission date	
	purpose	Share a representative design of the country (East and West) that the students think of.		
	procedure & notice	It is necessary to investigate images that can be shared with other students in class, and students' opinions on the selection of design are important.		
	references	강의 중 안내 예정		
The second assignment	assignment	Proposal for sustainable products or services that are environmentally friendly	submission date	
	purpose	Proposal of sustainable product or service design in the future based on the understanding of the difference in perspective and design between the East and the West.		
	procedure & notice	Evaluate the process of developing from ideas to a final product		
	references	생각의 지도(리처드 니스벳), 내일의 디자인(하라 켄야)		
The third assignment	assignment	Proposal of products or services related to childbirth and funeral in the future society	submission date	
	purpose	Imagining and visualizing the emergence of new products and services according to the future society and changes in human life		
	procedure & notice	Propose scenarios based on technology and reasonable context		
	references	서비스 디자인 교과서(마르크 스탁도른, 야코프 슈나이더)		

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Cosmeceutical Materials	Course Number	0008891001
Major / School Year	Dept. of COSMA The Cosmetic Science & Management / 전학년	completion division /Grade evaluation	/
Department/Professor	Dept. of Marine Science / 권수연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF421:화(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 1학기

Date : 2023.02.09

Time : PM 6:57

CourseTitle	Hair Science	Course Number	0010176001
Major / School Year	Dept. of COSMA The Cosmetic Science & Management / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Fashion Industry / 안춘순	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF321:화(4-5A)] [SF421:월(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This class is taught in English. Hair Science includes the understanding of the scalp and hair. In this class, we will cover the topics related to the structural characteristics of scalp and hair and the science behind the care of scalp and hair.

[2] Course Learning Outcomes

1. Study the structural characteristics of the skin of scalp.
2. Study the structural characteristics of the hair follicle and hair.
3. Deal with some popular issues related to the scalp and hair care.

[3] Class Delivery Method

Lecture + On-line review + Necessary review weekly

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	20 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	AHN Cheunsoon	Publisher		Textbook	Lecture Note	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook	Internet (Google)	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and outline of course Part 1. Scalp -Structure of scalp
Second week	-Epidermis of Skin
Third week	-Scalp: Health & Problems
Fourth week	-Dermis & Hypodermis of skin -Appendages of skin
Fifth week	Part 2. Hair Follicle -Structure of hair follicle -Hair follicle development in fetus
Sixth week	-Types of human hair -Hair growth cycle
Seventh week	-Hair growth cycle
Eighth week	Mid-term Examination
Ninth week	-Follicular unit -Hair follicle defects
Tenth week	-Hair loss: Alopecia
Eleventh week	-Androgenetic alopecia revisited -Structure of hair
Twelfth week	-Structure of hair
Thirteenth week	-Chemical composition of hair
Fourteenth week	-Melanin: Hair pigment
Fifteenth week	Final Examination
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

English Course Syllabus

for Undergraduate Incoming Exchange Student

2023 Fall Semester (p.506~)



Office of International Affairs
Incheon National University

+82-32-835-9573~7
inbound@inu.ac.kr

<https://global.inu.ac.kr>



Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Level 1 Korean 1	Course Number	0000540001
Major / School Year	Dept. of Korean Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature / 송원용	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP503:월(8B-9),수(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

Korean Class for the beginners who have never studied or studied less than 100 hours.
We will provide placement session for every beginner students in the first week of the semester.

[2] Course Learning Outcomes

Learn how to communicate in daily situation in Korean.

[3] Class Delivery Method

All time face to face class with textbook and PPT. There will be lots of the interactions between your classmates during my classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	10 %	0 %	30 %	20 %	10 %	10 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	20 %	10 %	50 %	20 %

[4] Grading Policies

Quiz scores after every units: 50%
Oral test as a final test: 10%
Attendance: 20%(minus 2 points for one absence without any notice)
Assignment: 5 points per one role playing video clip

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Language Institute of SNU	Publisher	Seoul National University press	Textbook	I love Korean 1	Issued year	2019
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation & Introduction
Second week	Unit 1. Learning Hangeul (1), (2)
Third week	Unit 2. Learning Hangeul (3), Classroom Korean and Greetings
Fourth week	Review of Unit 1, 2
Fifth week	Unit 3-1. I'm American
Sixth week	Unit 3-2. Ting-Ting, are you a student?
Seventh week	Unit 4-1. What is this?
Eighth week	Unit 4-2. Do you have any tissues?
Ninth week	Unit 5-1. Please, give me some orange juice.
Tenth week	Unit 5-2. Please, give me bibimbab and a bottle of cola.
Eleventh week	Unit 6-1. What are you doing?
Twelfth week	Unit 6-2. Where are you going?
Thirteenth week	Unit 7-1. What tastes delicious?
Fourteenth week	Unit 7-2. How much is it?
Fifteenth week	Unit 8-1. What time is it? / Final interview test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Level 1 Korean 1	Course Number	0000540002
Major / School Year	Dept. of Korean Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature / 채숙희	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP503:화(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

Korean class for the beginners who have never studied or studied less than 100 hours.

[2] Course Learning Outcomes

At the end of this course students will be able to:

- Develop basic Korean communication skills
- Use Korean Alphabet
- Use essential vocabulary, grammar and expressions for everyday situations

[3] Class Delivery Method

Lecture, practice, interactive activities, presentation

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	SNU LEI	Publisher	SNU Press	Textbook	I Love Korean (1) Student's Book	Issued year	2019
(2)	Author	SNU LEI	Publisher	SNU Press	Textbook	I Love Korean (1) Workbook	Issued year	2019
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation & Introduction
Second week	Hangeul (1)
Third week	Hangeul (2)
Fourth week	Basic Korean (1)
Fifth week	Basic Korean (2)
Sixth week	Introductions (1)
Seventh week	Introductions (2)
Eighth week	Items and Objects (1)
Ninth week	Items and Objects (2)
Tenth week	Food and Ordering (1)
Eleventh week	Food and Ordering (2)
Twelfth week	Daily Life (1)
Thirteenth week	Daily Life (2)
Fourteenth week	Shopping (1)
Fifteenth week	Shopping (2)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Level 2 Korean 1	Course Number	0000542001
Major / School Year	Dept. of Korean Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP120:화(7-8A)(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture aims to improve speaking and writing skills in order to develop smooth Korean communication skills for foreign students. For foreign students, speaking skills are the most basic part of Korean language skills, which can help them learn the basics of Korean writing and improve their speaking skills as well as make their Korean college life more effective through sentence generation and organized writing practice. Therefore, in this lecture, basic Korean expressions, vocabulary, and grammar expressions necessary for college life are learned to develop Korean speaking and vocabulary and writing expression skills.

[2] Course Learning Outcomes

1. You can develop your Korean communication skills through listening, speaking, and reading and writing practice.
2. You can develop your Korean communication skills through vocabulary and grammar pronunciation learning.

[3] Class Delivery Method

Based on the professor's theoretical lecture, students participate in speaking and writing activities.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	0 %	0 %	0 %	0 %	90 %	0 %

[4] Grading Policies

Midterm (30), Final (30), Attendance (20), Tasks and Others (20)

*Announcement of assignments and other matters will be made later

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	서울대학교언어교육원	Publisher	서울대학교출판문화원	Textbook	I Love Korean 2 student's book	Issued year	2019
(2)	Author	서울대학교언어교육원	Publisher	서울대학교출판문화원	Textbook	I Love Korean 2 workbook	Issued year	2019
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	1. Family
Third week	2. Shopping
Fourth week	1&2 workbook
Fifth week	Holiday (National foundation day of Korea)
Sixth week	3. Travel
Seventh week	4. Hobbies
Eighth week	Midterm Exam
Ninth week	3&4 workbook
Tenth week	5. Bank and Post Office
Eleventh week	6. Transportation
Twelfth week	5&6 workbook
Thirteenth week	7. Hospital
Fourteenth week	8. Korean Life
Fifteenth week	7&8 workbook
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Make sentences	submission date	2023-09-12 Tue
	purpose	You can develop your Korean communication skills through discourse composition practice using vocabulary and grammar.		
	procedure & notice	Construct sentences using learned vocabulary and grammar.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Level 2 Korean Practice 1	Course Number	0000549001
Major / School Year	Dept. of Korean Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP120:목(7-8A)(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture aims to improve speaking skills in order to develop smooth Korean communication skills for foreign students. Students who do not have a basic background in Korean should improve their background knowledge of Korean and develop their Korean speaking skills, vocabulary, and expression skills by learning basic Korean expressions and vocabulary necessary for college life. You can learn various expressions of Korean and develop the communication skills necessary to take Korean lectures using them.

[2] Course Learning Outcomes

1. You can improve your Korean speaking skills by learning basic Korean expressions and vocabulary necessary for college life.
2. You can develop Korean communication skills necessary for college life through listening, speaking, and reading and writing practice.

[3] Class Delivery Method

Based on the professor's theoretical lecture, students participate in speaking activities

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	0 %	0 %	0 %	0 %	90 %	0 %

[4] Grading Policies

Midterms (30), final exams (30), attendance (20), assignments (20)

*The assignment will be announced later

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	연세대학교 한국어학당	Publisher	Yonsei university press	Textbook	Korean Speaking For University Life Beginning Level 2	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	1. Introduce(1-1, 1-2)
Third week	1. Introduce(1-3) 2. School Life(2-1)
Fourth week	2. School Life(2-2, 2-3)
Fifth week	3. school facilities(3-1, 3-2)
Sixth week	3. School facilities(3-3) 4. Meeting(4-1)
Seventh week	4. Meeting(4-2, 4-3)
Eighth week	Midterm Exam
Ninth week	5. Shopping (5-1, 5-2)
Tenth week	5. Shopping(5-3) 6. Healthy(6-1)
Eleventh week	6. Healthy(6-2, 6-3)
Twelfth week	7. Online(7-1, 7-2)
Thirteenth week	7. Online(7-3) 8. College life(8-1)
Fourteenth week	8. College life(8-2, 8-3)
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Make sentences	submission date	2023-09-13 Wed
	purpose	Discourse can be constructed using learned vocabulary, grammar, and expression.		
	procedure & notice	Construct sentences using learned vocabulary and grammar.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH CONVERSATION(2)	Course Number	AIB6094001
Major / School Year	Dept. of English Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP403:월(1),화(1)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly used learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher. Class will be held offline. Assignments, weekly information and announcements, and schedules will be posted on the INU Cyber site.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Heinle/Cengage	Textbook	World English 3	Issued year
(1)	Kristen L. Johannsen & Rebecca Tarver Chase					
(2)						
(3)						

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Syllabus and Class Introduction
Second week	Chapter 1: People and Places
Third week	Chapter 2: The Mind
Fourth week	Chapter 4: The Good Life
Fifth week	Chapter 5: Survival
Sixth week	Chapter 6: Art Matters
Seventh week	Vocab Quiz #1 Discussion Day 1 Midterm Exam Preparation
Eighth week	Midterm Exam
Ninth week	Chapter 7: Getting Around
Tenth week	Chapter 9: Danger
Eleventh week	Chapter 10: Mysteries
Twelfth week	Chapter 12: Innovation
Thirteenth week	Presentations
Fourteenth week	Discussion Day 2 Final Exam Preparation Vocab Quiz #2
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH CONVERSATION(2)	Course Number	AIB6094004
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:월(4)] [SP403:수(1)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve students communicative ability and for them to increase their skill in speaking English. Not only will the students be practising to improve their English but they will also be learning how to employ communication strategies to increase their ability to hold conversations in English. Another purpose of this course is to teach the target language of the class to the students, the target language coming from their textbook and being grammar, functional language and vocabulary.

[2] Course Learning Outcomes

By the end of this course students will be able to start and carry on a conversation on any general topic for 5 minutes. They will be able to employ conversation strategies that will enable to extend, change or finish any conversation that they participate in. The students will also be able to use the target language that they have learned in class in conversations and in general writing.

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance	20%
Conversation Tests:	
Midterm	20%
Final	20%
Quizzes:	
Midterm	10%
Final	10%
Homework:	
End of class assigned homework	10%
Participation:	
Class Attitude & Effort	6%
DEL English Conversation hours	4%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kristin L. Johannsen & Rebecca Tarver Chase	Publisher	Heinle/Cengage	Textbook	World English 3	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	People and places
Second week	Changing Planet
Third week	Money vs. Wealth
Fourth week	Survival
Fifth week	Getting Around
Sixth week	Competition
Seventh week	Quiz
Eighth week	Midterm Test
Ninth week	Danger
Tenth week	Discussion Day
Eleventh week	Mysteries
Twelfth week	Learning
Thirteenth week	Space
Fourteenth week	Quiz
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The third assignment	purpose	
	procedure & notice	
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH CONVERSATION(2)	Course Number	AIB6094003
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:월(1),화(1)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve students communicative ability and for them to increase their skill in speaking English. Not only will the students be practising to improve their English but they will also be learning how to employ communication strategies to increase their ability to hold conversations in English. Another purpose of this course is to teach the target language of the class to the students, the target language coming from their textbook and being grammar, functional language and vocabulary.

[2] Course Learning Outcomes

By the end of this course students will be able to start and carry on a conversation on any general topic for 5 minutes. They will be able to employ conversation strategies that will enable to extend, change or finish any conversation that they participate in. The students will also be able to use the target language that they have learned in class in conversations and in general writing.

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance	20%
Conversation Tests:	
Midterm	20%
Final	20%
Quizzes:	
Midterm	10%
Final	10%
Homework:	
End of class assigned homework	10%
Participation:	
Class Attitude & Effort	6%
DEL English Conversation hours	4%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kristin L. Johannsen & Rebecca Tarver Chase	Publisher	Heinle/Cengage	Textbook	World English 3	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	People and places
Second week	Changing Planet
Third week	Money vs. Wealth
Fourth week	Survival
Fifth week	Getting Around
Sixth week	Competition
Seventh week	Quiz
Eighth week	Midterm Test
Ninth week	Danger
Tenth week	Discussion Day
Eleventh week	Mysteries
Twelfth week	Learning
Thirteenth week	Space
Fourteenth week	Quiz
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The third assignment	purpose	
	procedure & notice	
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH CONVERSATION(2)	Course Number	AIB6094002
Major / School Year	Dept. of English Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:수(1)] [SP403:월(4)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly used learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher. Class will be held offline. Assignments, weekly information and announcements, and schedules will be posted on the INU Cyber site.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Kristen L. Johannsen & Rebecca Tarver Chase	Heinle/Cengage	World English 3	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Syllabus and Class Introduction
Second week	Chapter 1: People and Places
Third week	Chapter 2: The Mind
Fourth week	Chapter 4: The Good Life
Fifth week	Chapter 5: Survival
Sixth week	Chapter 6: Art Matters
Seventh week	Vocab Quiz #1 Discussion Day 1 Midterm Exam Preparation
Eighth week	Midterm Exam
Ninth week	Chapter 7: Getting Around
Tenth week	Chapter 9: Danger
Eleventh week	Chapter 10: Mysteries
Twelfth week	Chapter 12: Innovation
Thirteenth week	Presentation
Fourteenth week	Vocab Quiz #2 Discussion Day 2 Final Exam Preparation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH COMPOSITION1	Course Number	AIB6095001
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:수(3),금(3)]
Office hours		lecture room	

[1] Outline / Purpose

Students will be able to form a complete, cohesive paragraph using methods taught in class. Students will then build on their knowledge of paragraphs to form a five paragraph essay.

[2] Course Learning Outcomes

Students will know how to write a well-organized paragraph and five-paragraph essay by the end of the semester.

[3] Class Delivery Method

Class will be held offline. Students will work in pairs to complete and check bookwork and worksheets, and peer edit homework paragraphs and essay assignments. Information, including homework assignments, syllabus, and other important notices and announcements, will be posted on the INU Cyber site.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dorothy E. Zemach & Lisa A. Ghulldu	Publisher	Macmillan Education	Textbook	Writing Essays 3: From Paragraph to Essay	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus and Class Introduction Chapter 1: Pre-Writing: Getting Ready to Write
Second week	Chapter 2: The Structure of a Paragraph
Third week	Chapter 3: The Development of a Paragraph Optional Paragraph 1 Due
Fourth week	Chapter 4: Descriptive Paragraphs
Fifth week	Chapter 5: Comparison/Contrast Paragraphs Optional Paragraph 2 Due
Sixth week	Chapter 6: Problem/Solution Paragraphs
Seventh week	Paragraph workshops Optional Paragraph 3 Due Paragraph Quiz
Eighth week	Midterm Writing Exam
Ninth week	Chapter 8: The Structure of an Essay
Tenth week	Chapter 9: Outlining an Essay
Eleventh week	Chapter 10: Introductions and Conclusions Optional Essay Outline Due
Twelfth week	Chapter 11: Unity and Coherence Optional Essay Introduction Due
Thirteenth week	Comparison/Contrast Essays Optional Essay Conclusion Due
Fourteenth week	Cause/Effect Essays Optional Essay Due Essay Quiz
Fifteenth week	Final Writing Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH COMPOSITION1	Course Number	AIB6095004
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP317:금(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to give students a solid foundation for essay writing in a short time (one semester). The aim is to make them familiar with how to write essays and give them the ability to write in an academic setting.

[2] Course Learning Outcomes

By the end of this course, students will be able to:

- Brainstorm efficiently
- Generate Ideas
- Organise material
- Order and link paragraphs
- Write Cohesive and coherent essays
- Know how to write different kinds of essays
- Draft, review and revise written work

[3] Class Delivery Method

The method of teaching will be more teacher led than in conversation classes but will still require the students to interact with each other in English. A slightly altered communicative method approach is used by the teacher and will be adapted to suit this writing based class.

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Grading Criteria

Attendance	20%
Written Tests:	
Midterm	20%
Final	20%
Writing Assignments	30%
Participation and Homework:	
Class Attitude & Effort	5%
Extra Homework (usually unfinished activities during class)	5%

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dorothy E. Zemach & Lisa A. Ghulldu	Publisher	Macmillan Writing Series	Textbook	From Paragraph to Essay	Issued year	2005
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class Information, Rules and Icebreakers
Second week	Pre-Writing
Third week	The Structure of a Paragraph
Fourth week	The Development of a Paragraph
Fifth week	Introductions and Conclusions
Sixth week	Descriptive Paragraphs
Seventh week	Opinion Paragraphs
Eighth week	Comparison/Contrast Paragraphs Midterm Test
Ninth week	Problems/Solutions Paragraphs
Tenth week	The Structure of an Essay
Eleventh week	Outlining an Essay
Twelfth week	Introductions and Conclusions
Thirteenth week	Unity and Coherence
Fourteenth week	Essays for Examinations
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission	

The third assignment			date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH COMPOSITION1	Course Number	AIB6095003
Major / School Year	Dept. of English Language & Literature / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP403:수(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to give students a solid foundation for essay writing in a short time (one semester). The aim is to make them familiar with how to write essays and give them the ability to write in an academic setting.

[2] Course Learning Outcomes

By the end of this course, students will be able to:

- Brainstorm efficiently
- Generate Ideas
- Organise material
- Order and link paragraphs
- Write Cohesive and coherent essays
- Know how to write different kinds of essays
- Draft, review and revise written work

[3] Class Delivery Method

The method of teaching will be more teacher led than in conversation classes but will still require the students to interact with each other in English. A slightly altered communicative method approach is used by the teacher and will be adapted to suit this writing based class.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Grading Criteria

Attendance	20%		
Written Tests:			
Midterm	20%		
Final		25%	
1 x Writing Assignment		15%	
1 x Final Quiz		15%	
Class Attitude, Effort, Homework		5%	

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dorothy E. Zernach & Lisa A. Ghulldu	Publisher	Macmillan Writing Series	Textbook	From Paragraph to Essay	Issued year	2005
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class Information, Rules and Icebreakers
Second week	Pre-Writing
Third week	The Structure of a Paragraph
Fourth week	The Development of a Paragraph
Fifth week	Introductions and Conclusions
Sixth week	Descriptive Paragraphs
Seventh week	Opinion Paragraphs
Eighth week	Comparison/Contrast Paragraphs Midterm Test
Ninth week	Problems/Solutions Paragraphs
Tenth week	The Structure of an Essay
Eleventh week	Outlining an Essay
Twelfth week	Introductions and Conclusions
Thirteenth week	Unity and Coherence
Fourteenth week	Essays for Examinations
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH COMPOSITION1	Course Number	AIB6095002
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP317:수(6)] [SP403:금(6)]
Office hours		lecture room	

[1] Outline / Purpose

Students will be able to form a complete, cohesive paragraph using methods taught in class. Students will then build on their knowledge of paragraphs to form a five paragraph essay.

[2] Course Learning Outcomes

Students will know how to write a well-organized paragraph and five-paragraph essay by the end of the semester.

[3] Class Delivery Method

Class will be held offline. Students will work in pairs to complete and check bookwork and worksheets, and peer edit homework paragraphs and essay assignments. Information, including homework assignments, syllabus, and other important notices and announcements, will be posted on the INU Cyber site.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dorothy E. Zemach & Lisa A. Ghulldu	Publisher	Macmillan Education	Textbook	Writing Essays 3: From Paragraph to Essay	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus and Class Introduction Chapter 1: Pre-Writing: Getting Ready to Write
Second week	Chapter 2: The Structure of a Paragraph
Third week	Chapter 3: The Development of a Paragraph Optional Paragraph 1 Due
Fourth week	Chapter 4: Descriptive Paragraphs
Fifth week	Chapter 5: Comparison/Contrast Paragraphs Optional Paragraph 2 Due
Sixth week	Chapter 6: Problem/Solution Paragraphs
Seventh week	Paragraph workshops Paragraph 3 Due Paragraph Quiz
Eighth week	Midterm Writing Exam
Ninth week	Chapter 8: The Structure of an Essay
Tenth week	Chapter 9: Outlining an Essay
Eleventh week	Chapter 10: Introductions and Conclusions Optional Essay Outline Due
Twelfth week	Chapter 11: Unity and Coherence Optional Essay Introduction Due
Thirteenth week	Comparison/Contrast Essays Optional Essay Conclusion Due
Fourteenth week	Cause/Effect Essays Optional Final Essay Due Essay Quiz
Fifteenth week	Final Writing Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ACADEMIC WRITING	Course Number	0006950001
Major / School Year	Dept. of English Language & Literature / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 신나미	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:목(4-5A)] [SP403:화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed for freshmen in the Department of English Language and Literature. This course is dedicated to developing students' writing skills – with the understanding that good writing comes from good reading. Students will learn how to (a) effectively use preparatory writing strategies such as outlining, drafting, revising, and workshopping; (b) form arguments and select textual evidence based on careful reading and analyses of literary texts; (c) present ideas clearly and coherently. (A detailed and finalized course syllabus will be available on the first day of class.)

[2] Course Learning Outcomes

- Student will learn how to read critically and analyze literary texts.
- Students will develop paragraph-level arguments and a short essay with a clear stance, appropriate support, and logical structure.
- Student will learn how to revise their written work and critically engage with the work of others.

[3] Class Delivery Method

Lecture, In-class discussion, online activities, and peer review workshops.

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Participation (attendance and active in-class participation)/short assignments/final paper draft #1 and #2/oral presentation

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	How to read critically – literature and modes of analysis (1)
Third week	How to read critically – literature and modes of analysis (2)
Fourth week	Working with Textual Evidence (1)
Fifth week	Working with Textual Evidence (2)
Sixth week	Individual Conferences
Seventh week	What is a Paragraph? (1)
Eighth week	What is a Paragraph? (2)
Ninth week	Understanding the Structure of an Essay
Tenth week	What is a Thesis?
Eleventh week	Developing Ideas
Twelfth week	Organizing Ideas (1)
Thirteenth week	Organizing Ideas (2)
Fourteenth week	How to Revise Your Essay
Fifteenth week	Oral Presentations
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH CONVERSATION(4)	Course Number	AIB6014001
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:월(7)] [SP323:화(3)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this class is to improve students communicative ability and for them to increase their skill in speaking English. Not only will the students be practising to improve their English but they will also be learning how to employ communication strategies to increase their ability to hold conversations in English. Another purpose of this course is to teach the target language of the class to the students, the target language coming from their textbook and being grammar, functional language and vocabulary.

[2] Course Learning Outcomes

By the end of this course students will be able to start and carry on a conversation on any general topic for 5 minutes. They will be able to employ conversation strategies that will enable to extend, change or finish any conversation that they participate in. The students will also be able to use the target language that they have learned in class in conversations and in general writing.

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance	20%
Conversation Tests:	
Midterm	20%
Final	20%
Quizzes:	
Midterm	15%
Final	15%
Class Attitude, Effort, Homework	6%
DEL English Conversation hours	4%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jessica Williams	Publisher	Heinle/Cengage	Textbook	21st Century Communication Level 2	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class Information, rules, icebreakers
Second week	Engineered by Nature
Third week	Engineered by Nature
Fourth week	Lending a hand
Fifth week	Lending a hand
Sixth week	Lending a hand
Seventh week	Quiz
Eighth week	Midterm Test
Ninth week	Less is more
Tenth week	Less is more
Eleventh week	Less is more
Twelfth week	Justice in the Jungle
Thirteenth week	Justice in the Jungle
Fourteenth week	Quiz
Fifteenth week	Final Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH COMPOSITION(2)	Course Number	AIB6013001
Major / School Year	Dept. of English Language & Literature / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP317:화(4)] [SP403:금(1)]
Office hours		lecture room	

[1] Outline / Purpose

Students will learn how to write more detailed, complex essays, using a wide variety of sources and citations. Students will also be able to identify strong resources and do research to provide support for their thesis statements and examples.

[2] Course Learning Outcomes

By the end of class, students will be familiar with and be able to write a well-organized, correctly cited research paper. Students will also review skills in writing organized paragraphs and essays.

[3] Class Delivery Method

Class will be held offline. Students will work in pairs to complete and check bookwork and worksheets, and peer edit homework and essay assignments. Weekly information, assignment details, and schedules will be posted on the INU Cyber site.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Keith S. Folse and Tison Pugh	Publisher	Heinle/Cengage	Textbook	Great Writing Book 5: From Great Essays to Research	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus and Class Introduction Chapter 1: What is an essay (Part 1)
Second week	Chapter 1: What is an essay (Part 2)
Third week	Chapter 2: Understanding the Writing Process: The Seven Steps (Part 1)
Fourth week	Chapter 2: Understanding the Writing Process: The Seven Steps (Part 2)
Fifth week	Chapter 3: Paraphrasing, Summarizing, Synthesizing, and Citing Sources (Part 1)
Sixth week	Chapter 3: Paraphrasing, Summarizing, Synthesizing, and Citing Sources (Part 2)
Seventh week	In-class assignment preparation and delivery
Eighth week	Midterm Exam
Ninth week	Chapter 5: Comparison Essays (Part 1)
Tenth week	Chapter 5: Comparison Essays (Part 2)
Eleventh week	Chapter 6: Cause-Effect Essays (Part 1)
Twelfth week	Chapter 6: Cause-Effect Essays (Part 2)
Thirteenth week	Chapter 7: Argument Essays (Part 1)
Fourteenth week	Chapter 7: Argument Essays (Part 2)
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	HISTORY OF AMERICAN LITERATURE	Course Number	AIB6008001
Major / School Year	Dept. of English Language & Literature / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 이용화	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:화(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is a survey of American literature from its Puritan origins. We will think in particular about four issues: 1) the relation between literature and nationalism; 2) the various ways in which American authors have defined and/or justified their art; 3) the ways in which American authors have gone about creating a particular vision of the nation's past; and 4) the ways in which American "originality" might be seen in literary form as well as in (or perhaps rather than) its content or subject matter. While surveying a broad range of texts in different genres, we will also continue to ask: what makes this body of literature "American"? How has the idea of "America" changed over time? In what ways do racial and gender differences inflect the meanings of "America"?

[2] Course Learning Outcomes

The purpose of this course is to introduce students to the main artistic, historical, and social issues with which U.S. literature has been engaged since its Puritan origins. As we consider the thematic questions reflected in U.S. literature, we will also focus on some of the principles of literary analysis, exploring the relations between "text" and "context" and developing a vocabulary for describing and analyzing the basic elements of poetry, the short story, and the novel. To that end, we will work to learn to describe and interpret the literary arts as well as to explain how literature expresses social and cultural issues.

[3] Class Delivery Method

Schedule of Readings (reading should be completed before each class period): The following schedule is subject to change, and I reserve the right to make such changes.

Week 1

Introduction

William Bradford, from "Of Plymouth Plantation"

John Winthrop, from "A Model of Christian Charity"

Week 2

Benjamin Franklin, from The Autobiography, Part I*

Week 3

Washington Irving, "Rip Van Winkle"

Week 4

Edgar Allan Poe, "The Fall of House of Usher"

Week 5

Ralph Waldo Emerson, "Nature" [Introduction and chapter I.]; from "The American Scholar," "Self Reliance," and "Poet"

Week 6

Henry David Thoreau, from Walden

Week 7

Nathaniel Hawthorne, "Young Goodman Brown"

Week 8

Herman Melville, from Moby-Dick*

Review & Midterm

Week 9

Frederick Douglass, from Narrative of the Life of Frederick Douglass, an American Slave
Chapter I, Chapter VI, Chapter VII, Chapter VIII, Chapter X

Week 10

Walt Whitman, selected poems

Week 11

Emily Dickinson, selected poems

Week 12

Robert Frost, "Stopping by Woods on a Snowy Evening," "The Road Not Take"

Week 13

F. Scott Fitzgerald, "Babylon Revisited"

Week 14

Ralph Ellison, from Invisible Man, Chapter I [Battle Royal]

Week 15
Arthur Miller, Death of a Salesman (movie_no reading assignment)

Week 16
"Re-inventing America" **

Final Exam

Note:

Readings with an asterisk mark (*) are longer than others; you are strongly recommended to start reading them well ahead of the date on which they are assigned.

Readings with two asterisk marks (**) will be available on e-learning.

참고: 수업시간에 반드시 지켜야 할 사항들

1. 수업 시작 후 혹은 끝나기 전에 강의실 출입을 절대 금함
2. 휴대폰은 반드시 무음 모드로 전환해서 가방에서 꺼내지 않도록 한다.
3. 주변 사람들과 수업 내용과 관계없는 잡담을 금하고 물, 음료수 이외의 음식 물

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

Course Materials: A course packet, available from the university copy shop.

[6] Weekly lesson plans

First week	Week 1 Introduction John Smith, from "The General History of Virginia, New England, and the Summer Isles" William Bradford, from "Of Plymouth Plantation" John Winthrop, from "A Model of Christian Charity"
Second week	Week 2 Anne Bradstreet, "The Author to Her Book," "To My Dear and Loving Husband," "Upon the Burning of our House" Jonathan Edwards, "Personal Narrative"
Third week	Week 3 Benjamin Franklin, from The Autobiography, Part I*
Fourth week	Week 4 Washington Irving, "Rip Van Winkle"

Fifth week	Week 5 Edgar Allan Poe, "The Fall of House of Usher"
Sixth week	Week 6 Ralph Waldo Emerson, "Nature" [Introduction and chapter I.]; "The American Scholar"
Seventh week	Week 7 Henry David Thoreau, from Walden
Eighth week	Week 8 Rebecca Harding Davis, "Life in the Iron-Mills: or, the Korl Woman" Midterm
Ninth week	Week 9 Nathaniel Hawthorne, "Young Goodman Brown" Herman Melville, from Moby-Dick
Tenth week	Week 10 Frederick Douglass, from Narrative of the Life of Frederick Douglass, an American Slave Chapter I, Chapter VI, Chapter VII, Chapter VIII, Chapter X
Eleventh week	Week 11 Walt Whitman, selected poems
Twelfth week	Week 12 Emily Dickinson, selected poems
Thirteenth week	Week 13 Robert Frost, "Stopping by Woods on a Snowy Evening," "After Apple-Picking" T.S. Eliot, "The Love Song of J. Alfred Prufrock"
Fourteenth week	Week 14 Kate Chopin, "The Story of an Hour" Ralph Ellison, from Invisible Man, Chapter I [Battle Royal]
Fifteenth week	Week 15 Arthur Miller, Death of a Salesman (no reading)
Sixteenth week	Week 16 Review & Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	HISTORY OF AMERICAN LITERATURE	Course Number	AIB6008002
Major / School Year	Dept. of English Language & Literature / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 이용화	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP403:화(8B-9), 목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is a survey of American literature from its Puritan origins. We will think in particular about four issues: 1) the relation between literature and nationalism; 2) the various ways in which American authors have defined and/or justified their art; 3) the ways in which American authors have gone about creating a particular vision of the nation's past; and 4) the ways in which American "originality" might be seen in literary form as well as in (or perhaps rather than) its content or subject matter. While surveying a broad range of texts in different genres, we will also continue to ask: what makes this body of literature "American"? How has the idea of "America" changed over time? In what ways do racial and gender differences inflect the meanings of "America"?

[2] Course Learning Outcomes

The purpose of this course is to introduce students to the main artistic, historical, and social issues with which U.S. literature has been engaged since its Puritan origins. As we consider the thematic questions reflected in U.S. literature, we will also focus on some of the principles of literary analysis, exploring the relations between "text" and "context" and developing a vocabulary for describing and analyzing the basic elements of poetry, the short story, and the novel. To that end, we will work to learn to describe and interpret the literary arts as well as to explain how literature expresses social and cultural issues.

[3] Class Delivery Method

Schedule of Readings (reading should be completed before each class period): The following schedule is subject to change, and I reserve the right to make such changes.

Week 1

Introduction
William Bradford, from "Of Plymouth Plantation"
John Winthrop, from "A Model of Christian Charity"

Week 2

Benjamin Franklin, from The Autobiography, Part I*

Week 3

Washington Irving, "Rip Van Winkle"

Week 4

Edgar Allan Poe, "The Fall of House of Usher"

Week 5

Ralph Waldo Emerson, "Nature" [Introduction and chapter I.]; from "The American Scholar," "Self Reliance," and "Poet"

Week 6

Henry David Thoreau, from Walden

Week 7

Nathaniel Hawthorne, "Young Goodman Brown"

Week 8

Herman Melville, from Moby-Dick*

Review & Midterm

Week 9

Frederick Douglass, from Narrative of the Life of Frederick Douglass, an American Slave
Chapter I, Chapter VI, Chapter VII, Chapter VIII, Chapter X

Week 10

Walt Whitman, selected poems

Week 11

Emily Dickinson, selected poems

Week 12

Robert Frost, "Stopping by Woods on a Snowy Evening," "The Road Not Take"

Week 13

F. Scott Fitzgerald, "Babylon Revisited"

Week 14

Ralph Ellison, from Invisible Man, Chapter I [Battle Royal]

Week 15
Arthur Miller, Death of a Salesman (movie_no reading assignment)

Week 16
"Re-inventing America" **

Final Exam

Note:

Readings with an asterisk mark (*) are longer than others; you are strongly recommended to start reading them well ahead of the date on which they are assigned.

Readings with two asterisk marks (**) will be available on e-learning.

참고: 수업시간에 반드시 지켜야 할 사항들

1. 수업 시작 후 혹은 끝나기 전에 강의실 출입을 절대 금함
2. 휴대폰은 반드시 무음 모드로 전환해서 가방에서 꺼내지 않도록 한다.
3. 주변 사람들과 수업 내용과 관계없는 잡담을 금하고 물, 음료수 이외의 음식 물

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

Course Materials: A course packet, available from the university copy shop.

[6] Weekly lesson plans

First week	Week 1 Introduction John Smith, from "The General History of Virginia, New England, and the Summer Isles" William Bradford, from "Of Plymouth Plantation" John Winthrop, from "A Model of Christian Charity"
Second week	Week 2 Anne Bradstreet, "The Author to Her Book," "To My Dear and Loving Husband," "Upon the Burning of our House" Jonathan Edwards, "Personal Narrative"
Third week	Week 3 Benjamin Franklin, from The Autobiography, Part I*
Fourth week	Week 4 Washington Irving, "Rip Van Winkle"

Fifth week	Week 5 Edgar Allan Poe, "The Fall of House of Usher"
Sixth week	Week 6 Ralph Waldo Emerson, "Nature" [Introduction and chapter I.]; "The American Scholar"
Seventh week	Week 7 Henry David Thoreau, from Walden
Eighth week	Week 8 Rebecca Harding Davis, "Life in the Iron-Mills: or, the Korl Woman" Midterm
Ninth week	Week 9 Nathaniel Hawthorne, "Young Goodman Brown" Herman Melville, from Moby-Dick
Tenth week	Week 10 Frederick Douglass, from Narrative of the Life of Frederick Douglass, an American Slave Chapter I, Chapter VI, Chapter VII, Chapter VIII, Chapter X
Eleventh week	Week 11 Walt Whitman, selected poems
Twelfth week	Week 12 Emily Dickinson, selected poems
Thirteenth week	Week 13 Robert Frost, "Stopping by Woods on a Snowy Evening," "After Apple-Picking" T.S. Eliot, "The Love Song of J. Alfred Prufrock"
Fourteenth week	Week 14 Kate Chopin, "The Story of an Hour" Ralph Ellison, from Invisible Man, Chapter I [Battle Royal]
Fifteenth week	Week 15 Arthur Miller, Death of a Salesman (no reading)
Sixteenth week	Week 16 Review & Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH PHONETICS	Course Number	AIB6009001
Major / School Year	Dept. of English Language & Literature / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 유혜배	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP403:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Students learn how to pronounce, classify and describe English vowels and consonants in articulatory terms. Students practice producing and transcribing many types of speech, and recognizing acoustic correlates of speech sound as well.

[2] Course Learning Outcomes

Students will

1. learn to use International Phonetic Alphabet for transcribing speech.
2. learn to interpret phonetic transcriptions.
3. learn how to describe speech sounds by articulatory terms.
4. learn how to classify speech sounds.
5. learn about how phonological processes modify speech sounds.
6. learn how to describe dialectical and stylistic variation in speech.
7. learn about application of phonetics in various area.

[3] Class Delivery Method

1. Lecture, computer presentation and discussion on the topic.
2. Phonetic transcription practice.
3. This class will be taught in English.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	20 %	20 %	10 %	0 %	0 %

㉞ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	50 %	0 %	0 %	0 %	40 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Ladefoged & Johnson	Publisher	Cengage	Textbook	A course in Phonetics	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Peter Roach	Publisher	Cambridge	Textbook	English Phonetics and Phonology	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction : Basics
Second week	Chapter 1 The production of speech sounds Articulators
Third week	Manner of articulation
Fourth week	Phonology and phonetic transcription
Fifth week	Chapter 3. The consonants of English
Sixth week	Chapter 4. English vowels
Seventh week	Acoustic phonetics
Eighth week	Mid-term Exam
Ninth week	Chapter 5. Syllable
Tenth week	Word stress
Eleventh week	Senence stress
Twelfth week	Intonation
Thirteenth week	Intonation
Fourteenth week	Presentation Term paper due
Fifteenth week	Final Exam, Project paper
Sixteenth week	

[7] Assignments

The first assignment	assignment	Term paper	submission date	2019-12-04 Wed
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH PHONETICS		Course Number	AIB6009002		
Major / School Year	Dept. of English Language & Literature	2	completion division /Grade evaluation	/		
Department/Professor	Dept. of English Language & Literature	유혜배	Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class /	[SP403:월(5B-6),목(5B-6)]		
Office hours			lecture room			

[1] Outline / Purpose

Students learn how to pronounce, classify and describe English vowels and consonants in articulatory terms. Students practice producing and transcribing many types of speech, and recognizing acoustic correlates of speech sound as well.

[2] Course Learning Outcomes

Students will

1. learn to use International Phonetic Alphabet for transcribing speech.
2. learn to interpret phonetic transcriptions.
3. learn how to describe speech sounds by articulatory terms.
4. learn how to classify speech sounds.
5. learn about how phonological processes modify speech sounds.
6. learn how to describe dialectical and stylistic variation in speech.
7. learn about application of phonetics in various area.

[3] Class Delivery Method

1. Lecture, computer presentation and discussion on the topic.
2. Phonetic transcription practice.
3. This class will be taught in English.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	20 %	20 %	10 %	0 %	0 %

㉞ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	50 %	0 %	0 %	0 %	40 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Ladefoged & Johnson	Publisher	Cengage	Textbook	A course in Phonetics	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Peter Roach	Publisher	Cambridge	Textbook	English Phonetics and Phonology	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction : Basics
Second week	Chapter 1 The production of speech sounds Articulators
Third week	Manner of articulation
Fourth week	Phonology and phonetic transcription
Fifth week	Chapter 3. The consonants of English
Sixth week	Chapter 4. English vowels
Seventh week	Acoustic phonetics
Eighth week	Mid-term Exam
Ninth week	Chapter 5. Syllable
Tenth week	Word stress
Eleventh week	Senence stress
Twelfth week	Intonation
Thirteenth week	Intonation
Fourteenth week	Presentation Term paper due
Fifteenth week	Final Exam, Project paper
Sixteenth week	

[7] Assignments

The first assignment	assignment	Term paper	submission date	2019-12-04 Wed
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Eighteenth and Nineteenth Century British Novel		Course Number	0006948001		
Major / School Year	Dept. of English Language & Literature	/ 2	completion division /Grade evaluation	/		
Department/Professor	Dept. of English Language & Literature	/ 하인혜	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SP403:수(5B-6),금(7-8A)]		
Office hours			lecture room			

[1] Outline / Purpose

Throughout this semester, we are to read two key eighteenth-century novels: Daniel Defoe's Robinson Crusoe and Mary Shelley's Frankenstein. In the course of reading the novels, we will attend to issues that cut across these genres as well, including global travels, colonization, notions of authorship, history of science and technology, science, exploration, and Englishness. The format will be lecture-discussion, with the strongest emphasis placed on the interactive and collaborative act of grappling with the text. Typically, our class sessions will revolve around the following activities: short lectures; some group work; and in-class writings. Above all, although we will work through the novels together, it is important for each of students to be a brave, active, resourceful participant in class.

[2] Course Learning Outcomes

- 1) Students learn to read closely and paraphrase given texts.
- 2) Students are capable of contextualizing given texts and write an analytical essay--short and long.

[3] Class Delivery Method

Every single aspect of class will be delivered in English. (Part of group discussions may be conducted in Korean.)

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Oxford University Press	Textbook	Robinson Crusoe	Issued year
(2)	Author	Publisher	Oxford University Press	Textbook	Frankenstein	Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	– General Intro to the Long Eighteenth-Century (1660–1830) Who's who? What's what? – Intro to Major Eighteenth-Century Writers: Defoe, Swift, Richardson, Shelley, Austen
Second week	Daniel Defoe, Robinson Crusoe (1)
Third week	Daniel Defoe, Robinson Crusoe (2)
Fourth week	Daniel Defoe, Robinson Crusoe (3)
Fifth week	Daniel Defoe, Robinson Crusoe (4)
Sixth week	Daniel Defoe, Robinson Crusoe (5)
Seventh week	Daniel Defoe, Robinson Crusoe (6)
Eighth week	Midterm Exam
Ninth week	Intro to Early Modern Sci-Fi Contexts: The Rise of Experimental Philosophy in Eighteenth-Century Britain Female Speculative Writers: Aphra Behn–Margaret Cavendish–Mary Shelley
Tenth week	Intro to Mary Shelley Mary Shelley, Frankenstein (1)
Eleventh week	Mary Shelley, Frankenstein (2)
Twelfth week	Mary Shelley, Frankenstein (3)
Thirteenth week	Mary Shelley, Frankenstein (4)
Fourteenth week	Mary Shelley, Frankenstein (5)
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERMEDIATE ENGLISH CONVERSATION(2)	Course Number	AIB6085001
Major / School Year	Dept. of English Language & Literature / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 알라나 커밍스	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP116:월(6),화(6)]
Office hours		lecture room	

[1] Outline / Purpose

To learn and practice vocabulary and English grammar in a variety of contexts and situations including conversations, presentations, and group activities.

[2] Course Learning Outcomes

Students should be able to correctly used learned vocabulary and grammar as well as approach English conversations with confidence.

[3] Class Delivery Method

Students will learn through pair work, group work, and lectures presented by the teacher. Class will be held offline.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Paul Dummett, Helen Stephenson, Lewis Lansford	Publisher		Textbook	Keynote 4	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Syllabus and Class Introduction Unit 7
Second week	Unit 7
Third week	Unit 8
Fourth week	Unit 8
Fifth week	Unit 9
Sixth week	Unit 9 Vocab Quiz 1
Seventh week	Discussion Day 1 Vocab Quiz 1 Midterm Exam Preparation
Eighth week	Midterm Exam
Ninth week	Unit 10
Tenth week	Unit 10
Eleventh week	Unit 11
Twelfth week	Unit 11
Thirteenth week	Unit 12
Fourteenth week	Unit 12 Discussion Day 2 Vocab Quiz 2
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Shakespeare	Course Number	0004455001
Major / School Year	Dept. of English Language & Literature / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 하인혜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:화(4-5A),금(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to introduce students to William Shakespeare's major plays and Early Modern English culture. Tudor-Stuart England was a period of great social, religious, and political upheaval, and the literature of the period reflects these cultural changes. We will attend to issues that cut across these genres as well, such as authority, gender, marriage, religion, notions of authorship, "self-fashioning," privacy, love, sex, science, exploration, rebellion, kingship, Queenship, and Englishness. We will think about these works as texts written for a specific time and discuss why their themes continue to have resonance in the present day. This is intended to be an introductory course for both English majors and non-majors.

[2] Course Learning Outcomes

- 1) Students learn to read closely and paraphrase given texts.
- 2) Students are capable of contextualizing given texts and write an analytical essay--short and long.

[3] Class Delivery Method

Every single aspect of class will be delivered in English. (Part of group discussions may be conducted in Korean.)

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Yale University Press	Textbook	King Lear	Issued year	
(2)	Author	Publisher	Yale University Press	Textbook	Macbeth	Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

COURSE PACKET will be available at the copy center.

[6] Weekly lesson plans

First week	Intro to Class: Shakespeare and Us
Second week	Intro to Shakespearean Tragedy in General Intro to Macbeth Macbeth (Act 1)
Third week	Macbeth (Act 2)
Fourth week	Macbeth (Act 3)
Fifth week	Macbeth (Act 4)
Sixth week	Macbeth (Act 5)
Seventh week	Wrap-up Discussion Midterm Exam
Eighth week	Screening: King Lear Discussion: Strong Female Characters in Shakespeare's Plays
Ninth week	King Lear (Act 1)
Tenth week	King Lear (Act 2)
Eleventh week	King Lear (Act 3)
Twelfth week	King Lear (Act 4)
Thirteenth week	King Lear (Act 5)
Fourteenth week	Wrap-up Discussions: – What makes tragedy tragic? – Afterlife of Shakespeare: Why still read Shakespeare?
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	The History of English	Course Number	0010774001
Major / School Year	Dept. of English Language & Literature / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윤소연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:화(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course for the history of the English language. The goal of this course is to acquire the knowledge of both the internal and external history of English: how the English language has changed with the history of English-speaking countries. In order to understand this course, students must have the basic knowledge of phonetics, phonology, morphology, syntax, and semantics.

[2] Course Learning Outcomes

The course aims to provide a foundation of understanding present-day English.

[3] Class Delivery Method

Lecture delivered in English

Pre-requisite courses: Introduction to English linguistics, English Phonetics (preferably, English Syntax, English Lexical Semantics, English Phonology, etc.)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance and participation	20%
Presentation	20%
Midterm exams	30%
Final exam	30%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Millward, C. M., Hayes, M.	Publisher	Wadsworth, Cengage Learning	Textbook	A Biography of the English Language, 3/E	Issued year	2011
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Phonology
Third week	Indo-European Languages
Fourth week	Old English
Fifth week	Old English
Sixth week	Old English
Seventh week	Middle English
Eighth week	Middle English
Ninth week	Midterm Exam
Tenth week	Middle English
Eleventh week	Early Modern English
Twelfth week	Early Modern English
Thirteenth week	Early Modern English
Fourteenth week	Present Day English
Fifteenth week	Final Exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	The History of English	Course Number	0010774002
Major / School Year	Dept. of English Language & Literature / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윤소연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP403:화(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course for the history of the English language. The goal of this course is to acquire the knowledge of both the internal and external history of English: how the English language has changed with the history of English-speaking countries. In order to understand this course, students must have the basic knowledge of phonetics, phonology, morphology, syntax, and semantics.

[2] Course Learning Outcomes

The course aims to provide a foundation of understanding present-day English.

[3] Class Delivery Method

Lecture delivered in English

Pre-requisite courses: Introduction to English linguistics, English Phonetics (preferably, English Syntax, English Lexical Semantics, English Phonology, etc.)

NB: This course combines both online (zoom meeting) and offline lecture. When the offline meeting is allowed, we will meet at 15-116. In order to prevent spread of COVID-19, the class will strictly restrict the number of student enrollment up to 35. Please understand that this is the way to follow the social distancing policy.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance and participation	20%
Presentation	20%
Midterm exams	30%
Final exam	30%

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Millward, C. M., Hayes, M.	Publisher	Wadsworth, Cengage Learning	Textbook	A Biography of the English Language, 3/E	Issued year	2011
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Phonology
Third week	Indo-European Languages
Fourth week	Old English
Fifth week	Old English
Sixth week	Old English
Seventh week	Middle English
Eighth week	Middle English
Ninth week	Midterm Exam
Tenth week	Middle English
Eleventh week	Early Modern English
Twelfth week	Early Modern English
Thirteenth week	Early Modern English
Fourteenth week	Present Day English
Fifteenth week	Final Exam
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	PRACTICAL ENGLISH CONVERSATION	Course Number	AIB6102001
Major / School Year	Dept. of English Language & Literature / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 윌리엄 데이비스	Grades/Lecture/ Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SP403:금(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

In this course we will be looking at how to use English in a working environment and this course will prepare students to be able to work in an office environment where the primary language is English.

[2] Course Learning Outcomes

By the end of this course students will be able to:
 Speak English more confidently and fluently
 Use vocabulary specific to a business environment
 Take part in meetings and conferences in English
 Give presentations in English
 Speak to foreign colleagues and customers in English
 Write and respond to e-mails in English
 Work together in a team in English

[3] Class Delivery Method

The methodology of teaching in class will follow the Communicative method with the emphasis of input in class placed of the students themselves. Task-based learning and Guided discovery learning will also be used to support the students in their classes.

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Grading Criteria

Attendance	20%
Assignments / Presentations	
1. Elevator Pitch Presentation (Individual)	15% (Week 3 or 4)
2. Public Awareness Campaign Presentation (Individual)	15% (Week 8)
3. Conducting a Business Meeting (groups of 3)	20% (Week 11 or 12 or 13)
4. Marketing a new business presentation (Individual)	20% (Week 15)
Participation: Class Attitude, Effort, Homework	10%

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	To be selected – Students will be told of textbook in week 1 or 2 (Possibly: Market Leader Pre Intermediate Level) leader	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

--	--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introductions to each other, course information, Ice breakers Subject to change (Depending on textbook selected)
Second week	Basic presentation skills Giving presentations. Qualifications, experience, background information Subject to change (Depending on textbook selected)
Third week	Getting a job / Interview. Presentation 1 [Elevator Pitch] Subject to change (Depending on textbook selected)
Fourth week	Hell Joseon. Finding a job in Korea, discussion Subject to change (Depending on textbook selected)
Fifth week	Giving a detailed presentation. Public Awareness Campaigns Subject to change (Depending on textbook selected)
Sixth week	Giving Feedback. Business Case studies Subject to change (Depending on textbook selected)
Seventh week	Taking part in Business meetings. Opening a meeting, Turn-taking, buying time, ending meetings, suggestions and discussion politely Subject to change (Depending on textbook selected)
Eighth week	Entertaining business customers. Presentation 2 [Public Awareness Campaign] Subject to change (Depending on textbook selected)
Ninth week	Travelling on Business. Business E-mails Subject to change (Depending on textbook selected)
Tenth week	Marketing. Advertisements and other forms of marketing. Subject to change (Depending on textbook selected)
Eleventh week	Primary Research. Secondary Research. Research Techniques Subject to change (Depending on textbook selected)
Twelfth week	Dealing with foreign colleagues / customers. Conducting a Business Meeting Roleplay Assessment (Group) Subject to change (Depending on textbook selected)
Thirteenth week	Local Business Discussion. Songdo related business topics Subject to change (Depending on textbook selected)
Fourteenth week	Giving a PowerPoint presentation. Using technology in presentations Subject to change (Depending on textbook selected)
Fifteenth week	Final Presentation. [Create, market and present a new business in Songdo] (Individual) Subject to change (Depending on textbook selected)
Sixteenth week	

[7] Assignments

--	--	--	--

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Special Topic in English Literature	Course Number	0006947001
Major / School Year	Dept. of English Language & Literature / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language & Literature / 황승현	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP116:목(5B-6)] [SP403:화(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

OUTLINE

In many fields, professional reports or source articles are written in English so understanding cultural usage and nuance is an asset. Reading and analyzing literature and other writings from English language sources aid the consideration of a wider range of contexts and perspectives and give insights and understanding of an increasingly interconnected world.

Valuable skills for success in most careers are related to communication. A key aim in many careers is to find and communicate creative solutions.

Discussion and presentation through storytelling and reflective writing are effective methods to communicate solutions.

Communication is a key skill in most careers. This course emphasizes the value of communication through storytelling by exploring English language works of literature, lyrics and performance. The course relies heavily on discussion and reflective writing as ways to communicate ideas and to receive for consideration the ideas of others.

PURPOSE

-The objective is to make students familiar with a selection of works of literature and able to apply the familiarity to recognize when depictions or references to the works appear in music videos or lyrics.

-The objective is to help students develop and apply discussion skills, critical thinking skills, and concise written communication skills.

-The objective of this class is not to read the complete selected works of literature and memorize facts.

[2] Course Learning Outcomes

-Learn to communicate effectively and share ideas with colleagues

-Develop more effective communication skills and enhanced presentation capabilities

-Learn to communicate effectively, lead conversations and lectures, and assess assignments and projects

-Strengthen written English communication skills to support effectively sharing of ideas and research results

[3] Class Delivery Method

Teaching method in this course will mainly be discussion with lecture as a support, when needed.

-Depending on COVID-19 situation, this course can be subjected to switch from offline class to online class.

-Students will be informed of the online (video broadcast) method in advance of scheduled classes.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance (20%)

Participation (30%)

Midterm Exam (25%)

Final Exam (25%)

@ Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	W1 C1 Introduction W1 C2 Introduction
Second week	W2 C1 Alice in Wonderland W2 C2 Alice in Wonderland
Third week	W3 C1 Romeo and Juliet W3 C2 Romeo and Juliet
Fourth week	W4 C1 Tarzan of the Apes W4 C2 Tarzan of the Apes
Fifth week	W5 C1 The Picture of Dorian Gray W5 C2 Defining Storytelling
Sixth week	W6 C1 Other Literature W6 C2 The Red Shoes
Seventh week	W7 C1 Lyrics as Communication (Social Issues) W7 C2 Midterm Review
Eighth week	W8 C1 Midterm Exam 1 W8 C2 Midterm Exam 2
Ninth week	W9 C1 Communication Activity W9 C2 Communication Activity
Tenth week	W10 C1 Peter Pan W10 C2 Lyrics as Mental Health Awareness
Eleventh week	W11 C1 Brand Building and Advertising W11 C2 Walden
Twelfth week	W12 C1 Promotion W12 C2 Graphic Novels
Thirteenth week	W13 C1 Personal Communication W13 C2 Communication
Fourteenth week	W14 C1 Communication Activity 1 W14 C2 Communication Activity 2
Fifteenth week	W15 C1 Final Exam Review W15 C2 Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			

	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Big Data Analysis and Chinese Business	Course Number	0010049001
Major / School Year	Dept. of Chinese Language & Cultural Studies / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Chinese Language & Cultural Studies / 이현태	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SC104:목(4-5A),금(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

최근 경영, 경제, 무역 통상 등 분야에서 (빅)데이터를 다루는 능력이 중요해지고 있는 상황에서, 이와 관련된 기초 이론을 학습하고 엑셀을 활용하여 자료처리와 분석관련 실습을 수행하여, 향후 중국 통상 분야에 진출할 학생들에게 유용한 능력을 기를 수 있도록 한다.

[2] Course Learning Outcomes

1. 데이터 분석에 필요한 기초 통계학을 배운다.
2. 엑셀을 활용하여 데이터를 요약하고 분석하는 방법을 연습한다.
3. 중국 관련 통상통계 데이터를 실제로 활용, 분석하면서 데이터 실무능력을 강화한다.

[3] Class Delivery Method

1. 일단 교수가 수업을 통해 내용을 설명한다.
2. 오픈카톡방을 통해 교수-학생간 교류를 강화한다.
3. 수업시간에 직접 실습을 진행하여 내용 습득을 완결할 것이다(수업 교실이 학교 전산실이기에 개인 노트북을 준비할 필요가 없다).
4. 최대한 평이한 영어를 사용하여 강의를 진행한다.
5. 1~4학년 학생 모두 들을 수 있다. 선수 과목이 존재하지 않는다.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

㉞ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Cengage	Textbook	essentials of Modern Business Statistics with Microsoft Excel	Issued year	2020
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	경문사	Textbook	엑셀을 활용한 통계자료 분석	Issued year	2020
(2)	Author	Publisher	한빛미디어	Textbook	엑셀만 알아도 할 수 있는 데이터 과학	Issued year	2020
(3)	Author	Publisher	길벗	Textbook	30분 통계학	Issued year	2020
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

-수업에 필요한 내용은 위 주교재를 포함한 여러 소스를 통해 구성되고 필요한 모든 내용은 PPT 등 수업자료로 제공됩니다. 따라서 교재구입을 할 필요가 없다.

[6] Weekly lesson plans

First week	강의 소개 -아래 수업계획은 상황에 따라 변화 가능하다. -엑셀 실습을 병행한다.
Second week	통계학이란
Third week	데이터의 기초지식
Fourth week	도표와 그래프로 데이터 읽기
Fifth week	데이터의 중심지표
Sixth week	데이터 분포의 흩어짐 지표
Seventh week	상관과 회귀
Eighth week	모집단과 표본
Ninth week	모집단을 설명하는 확률분포
Tenth week	이산형 확률분포
Eleventh week	연속형 확률분포
Twelfth week	무작위 표본
Thirteenth week	추정
Fourteenth week	통계가설검정
Fifteenth week	중국 통상 데이터 분석
Sixteenth week	기말시험

[7] Assignments

The first assignment	assignment	수업 진행 상황에 따라 추후 과제 부과.	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MATHEMATICAL PHYSICS(2)	Course Number	BKB6012001
Major / School Year	Dept. of Physics / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Physics / 언후 도르츠	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358219	A weekday / class /	[SF326:화(8B-9),금(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

Mathematical physics refers to development of mathematical methods for application to problems in physics. This course provides the details of mathematical apparatus, and some derivations and proofs for the mathematical formulations.

[2] Course Learning Outcomes

To acquire a comprehensive knowledge on mathematical concepts which will be used as a tool for physics problems in the subsequent physics courses.

[3] Class Delivery Method

Lectures mostly with board notes and ppt slides as a supplementary

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
90 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

attendance 20%
 homework 20%
 midterm 30%
 final exam 30%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Elsevier LLC	Textbook	G. B. Arfken, H.J. Weber, and F. E. Harris, Mathematical Methods for Physicists: A comprehensive guide	Issued year	2014
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Eigenvalue problems
Third week	Eigenvalue problems
Fourth week	Ordinary differential equations
Fifth week	Ordinary differential equations
Sixth week	Partial differential equations
Seventh week	Partial differential equations
Eighth week	Midterm
Ninth week	Green function
Tenth week	Gamma function
Eleventh week	Bessel functions
Twelfth week	Legendre functions
Thirteenth week	Angular momentum and More special functions
Fourteenth week	Fourier series
Fifteenth week	Integral transforms and Integral equations
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	POLYMER CHEMISTRY		Course Number	BKC6021001		
Major / School Year	Dept. of Chemistry	/ 3	completion division / Grade evaluation	/		
Department/Professor	Dept. of Chemistry	/ 그레고리 아 이작 피터슨	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SF507:월(8B-9),수(5B-6)]		
Office hours			lecture room			

[1] Outline / Purpose

The purpose of this class is to broadly introduce the field of synthetic polymer chemistry and to provide the knowledge necessary for work or continued study in this field. A strong focus will be given to describing polymer synthesis, properties, and applications, and the interrelationship between them. The responsible use of polymers, including topics such as plastic recycling, plastic pollution, and polymer degradation will be covered. Lastly, important current topics in polymer research will be introduced to provide a well-rounded tour of this diverse field.

[2] Course Learning Outcomes

Participants in this course should develop a good understanding of how polymers are synthesized, characterized; what polymer properties are important; and how those properties enable polymers to be useful in various applications. Participants should also develop an understanding of what happens to polymers after they have been used and how polymer chemists and all global citizens should responsibly use polymers. Participants should also develop their ability to read and communicate about primary polymer chemistry literature.

[3] Class Delivery Method

This course is held offline. Classes disrupted by holidays or other events will be provided as recorded lectures on the LMS system.

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	10 %	10 %	0 %	0 %	0 %

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

Mid-term and Final Exam (60%)

Attendance (20%)

Class Project-written report and Power Point presentation (20%)

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Lodge and Hiemenz	Publisher	CRC Press	Textbook	Polymer Chemistry 3rd Edition	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Lecture 1: course introduction Lecture 2: history of polymers
Second week	Lecture 3: molecular weight Lecture 4: step-growth polymerization, pt. 1
Third week	Lecture 5: step-growth polymerization, pt. 2 Lecture 6: chain-growth polymerization, pt. 1
Fourth week	Lecture 7: chain-growth polymerization, pt. 2 Lecture 8: controlled polymerization, pt. 1
Fifth week	Lecture 9: controlled polymerization, pt. 2 Lecture 10: stereochemistry and copolymers
Sixth week	Lecture 11: topological and supramolecular polymers Lecture 12: network polymers
Seventh week	Lecture 13: polymer solutions and mixtures Lecture 14: review for mid-term exam
Eighth week	Mid-term Exam
Ninth week	Lecture 15: amorphous polymers Lecture 16: semi-crystalline polymers
Tenth week	Lecture 17: polymer processing Lecture 18: polymer materials
Eleventh week	Lecture 19: plastic pollution Lecture 20: plastic recycling
Twelfth week	Lecture 21: degradable polymers Lecture 22: other polymer applications
Thirteenth week	Class Project: -Primary Literature Presentations -Details to be provided at a later time
Fourteenth week	Class Project: -Finish presentations Lecture 23: review for final exam
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Class Project Part 1: report	submission date	
	purpose	To improve ability to read and write about primary literature papers in the field of polymer chemistry		
	procedure & notice	A written report on a recent polymer chemistry paper. Template will be provided. Paper will be chosen by the participant from a provided list. More details will be provided at a later time.		
	references			
The second assignment	assignment	Class Project Part 2: presentation	submission date	
	purpose	To improve ability to read and present about primary literature in the field of polymer chemistry		
	procedure & notice	A Power Point presentation will be prepared and given in class. This may be a single or group project depending on the number of class participants. A template will be provided. More details will be provided at a later time. *Note: Your English speaking ability has no influence on the grade		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Optoelectric materials and devices	Course Number	0010815001
Major / School Year	Dept. of Chemistry / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Chemistry / 방지원	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF407:화(2B-3)] [SF506:금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The aim of this course is comprehensive understanding of organic and inorganic semiconductor materials, focusing on their light absorption and emission properties. Students will explore the fundamental principles governing diverse photoelectric devices that harness these materials for practical applications. This course also includes an exploration of the current research in the field of optoelectronic materials and devices.

[2] Course Learning Outcomes

- Fundamentals of Organic and Inorganic Semiconductor Materials
- Optical and Electrical Properties of Semiconductor Material
- Light-Matter Interaction in Nanomaterials
- Light-Absorbing and Light-Emitting Materials and Optoelectronic Devices

[3] Class Delivery Method

This lecture provides covering organic and inorganic semiconductor materials, semiconductor theories, optoelectronic materials, and devices. Additionally, this course aims to identify the latest research trends by delving into and presenting cutting-edge research topics in these areas

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	30 %	30 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

exam: 70% (writing exam, presentation)
Attendance 20% : 3 absence -> failure

① Percentage of grade evaluation

Exam	Attendance	Assignment
70 %	20 %	10 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Semiconductor physics and devices 4th	Issued year
(2)	Author	Publisher	Textbook	McGrawHill	Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	orientation, Introduction of light
Second week	Brief introduction to Quantum Mechanics
Third week	Semiconductor basics
Fourth week	Semiconductor materials : conducting polymer, inorganic materials
Fifth week	Electronic and optical properties of materials
Sixth week	P-N junction
Seventh week	Light
Eighth week	Light-mater interaction (absorption, emission)
Ninth week	Nanomaterials :quantum confinement
Tenth week	Optoelectronic devices I : Solar cell & photodetectors
Eleventh week	Optoelectronic devices II : LED & display
Twelfth week	Midterm exam
Thirteenth week	Presentation (review of recent research) & discussion
Fourteenth week	Presentation (review of recent research) & discussion
Fifteenth week	Presentation (review of recent research) & discussion
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Fashion Design	Course Number	0008673001
Major / School Year	Dept. of Fashion Industry / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Fashion Industry / 김선희	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number	01083385558	A weekday / class /	[SF344:월(1)(2),수(1)(2)]
Office hours	Mon 13:00~15:00, Thur 11:00~13:00	lecture room	

[1] Outline / Purpose

This course aims to understand the characteristics of Adobe Photoshop and Illustrator programs, which are essential tools in fashion design field. Students will cultivate professional ability to use Photoshop and Illustrator for fashion design and textile design by practicing program tools. The practice includes drawing fashion items(Flat sketches), retouching images, and making design maps. Finally students will complete their own design portfolio at the end of the semester.

[2] Course Learning Outcomes

1. To understand the characteristics of Adobe Photoshop and Illustrator.
2. To know how to use tools of Adobe Photoshop and Illustrator.
3. To draw flat sketches of fashion items with Illustrator.
4. To make design maps with Photoshop.
5. To complete the portfolio with Photoshop and Illustrator.

[3] Class Delivery Method

Lecture and practice

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	70 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %

[4] Grading Policies

Every week assignment (2 point/per, late 1 point) should be uploaded on e-Learning : 15 point

Design Inspiration Presentation (in English) 5 points

Mid term test 20 point (Flat sketches)

Portfolio 30 point, Presentation (in English) 10 point

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	An Minyoung	Publisher	Kyungchunsa	Textbook	Computer Fashion	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Robert Hume	Publisher	Bloomsbury	Textbook	Fashion and Textile Design with Photoshop and Illustrator	Issued year	2016
(2)	Author	Susan M. Lazear	Publisher	Prentice Hall	Textbook	Adobe Photoshop for Fashion Design	Issued year	2010
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction. The characteristics of Illustrator and Photoshop
Second week	Practice basic tools of Illustrator : Line and Text practice
Third week	Flat sketches : T-shirts Design, Graphics
Fourth week	Flat sketches : Skirt Design Variations, Color & Fabric
Fifth week	Flat sketches : Pants
Sixth week	Flat sketches : Shirts
Seventh week	Flat sketches : Jackets, Jumpers
Eighth week	Mid term test : Jacket Flat Sketch
Ninth week	Flat sketches : Coats, Dress, Pattern(Textile), Pattern Mapping
Tenth week	Practice basic tools of Photoshop : Select tool
Eleventh week	Design Image Map
Twelfth week	Textile Pattern Making
Thirteenth week	3D Mapping
Fourteenth week	Final Portfolio
Fifteenth week	Final Portfolio Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment	Every week assignment	submission date	
	purpose	To practice tools		
	procedure & notice	By using class materials with illustrator and Photoshop		
	references	Computer fashion design		
The second assignment	assignment	Final portfolio	submission date	
	purpose	To make the portfolio with illustrator and Photoshop		
	procedure & notice	By using class materials with illustrator and Photoshop		
	references	Computer fashion design		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Fashion Design	Course Number	0008673002
Major / School Year	Dept. of Fashion Industry / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Fashion Industry / 김선희	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number	01083385558	A weekday / class /	[SF344:월(3)(4),목(3)(4)]
Office hours	Mon 13:00~15:00, Thur 11:00~13:00	lecture room	

[1] Outline / Purpose

This course aims to understand the characteristics of Adobe Photoshop and Illustrator programs, which are essential tools in fashion design field. Students will cultivate professional ability to use Photoshop and Illustrator for fashion design and textile design by practicing program tools. The practice includes drawing fashion items(Flat sketches), retouching images, and making design maps. Finally students will complete their own design portfolio at the end of the semester.

[2] Course Learning Outcomes

1. To understand the characteristics of Adobe Photoshop and Illustrator.
2. To know how to use tools of Adobe Photoshop and Illustrator.
3. To draw flat sketches of fashion items with Illustrator.
4. To make design maps with Photoshop.
5. To complete the portfolio with Photoshop and Illustrator.

[3] Class Delivery Method

Lecture and practice

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	70 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %

[4] Grading Policies

Every week assignment (2 point/per, late 1 point) should be uploaded on e-Learning : 15 point

Design Inspiration Presentation (in English) 5 points

Mid term test 20 point (Flat sketches)

Portfolio 30 point, Presentation (in English) 10 point

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	An Minyoung	Kyungchunsa	Computer Fashion	2016
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Robert Hume	Bloomsbury	Fashion and Textile Design with Photoshop and Illustrator	2016
(2)	Susan M. Lazear	Prentice Hall	Adobe Photoshop for Fashion Design	2010
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction. The characteristics of Illustrator and Photoshop
Second week	Practice basic tools of Illustrator : Line and Text practice
Third week	Flat sketches : T-shirts Design, Graphics
Fourth week	Flat sketches : Skirt Design Variations, Color & Fabric
Fifth week	Flat sketches : Pants
Sixth week	Flat sketches : Shirts
Seventh week	Flat sketches : Jackets, Jumpers
Eighth week	Mid term test : Jacket Flat Sketch
Ninth week	Flat sketches : Coats, Dress, Pattern(Textile), Pattern Mapping
Tenth week	Practice basic tools of Photoshop : Select tool
Eleventh week	Design Image Map
Twelfth week	Textile Pattern Making
Thirteenth week	3D Mapping
Fourteenth week	Final Portfolio
Fifteenth week	Final Portfolio Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment	Every week assignment	submission date	
	purpose	To practice tools		
	procedure & notice	By using class materials with illustrator and Photoshop		
	references	Computer fashion design		
The second assignment	assignment	Final portfolio	submission date	
	purpose	To make the portfolio with illustrator and Photoshop		
	procedure & notice	By using class materials with illustrator and Photoshop		
	references	Computer fashion design		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	TEXTILE FINISHING AND NEW MATERIALS	Course Number	BLB6021001
Major / School Year	Dept. of Fashion Industry / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Fashion Industry / 조윤경	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF420:월(4-5A),수(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

This course uses English as its main communication language. In this course, the students will learn the principles, methods, and characteristics of some of the textile finishes which are used in the fashion and textile industry. Students also have the opportunity to practice conventionally important textile processing methods as well as modern new processing methods, such as self-cleaning and conductive finishes.

[2] Course Learning Outcomes

- Learn the types and principles of preparatory textile finish.
- Learn the types and principles of finishes which are widely used in the fashion and textile industry.
- Enhance the English skills on the textile finish related terminologies used in the fashion and textile industry.

[3] Class Delivery Method

This class is mainly made up of lectures, while including some practice hours for textile finishing. Lecture will cover the basic theories related to textile finishing.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	0 %	0 %	50 %	0 %	30 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	70 %	0 %	0 %	0 %	0 %	30 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Lecture note (Students must download and print it from the e-learning)	Issued year
(1)	조윤경				
(2)					
(3)					

[Reference books]

(1)	Author	Publisher	Textbook	의류소재의 이론과 실제	Issued year
(1)	이혜자 외	형설출판사			
(2)	김영호 외	교문사		기능성 섬유 가공	
(3)					
(4)					
(5)					

[Other books]

[6] Weekly lesson plans

First week	Course introduction
Second week	Purpose and basic principles of textile finishing
Third week	Preparatory finishing (1)
Fourth week	Preparatory finishing (2)
Fifth week	Textile finishing for shape stability (1)
Sixth week	Textile finishing for shape stability (2)
Seventh week	Textile finishing for aesthetic beauty (1)
Eighth week	Textile finishing for aesthetic beauty (2)
Ninth week	Textile finishing for wearability and comfort (1)
Tenth week	Textile finishing for wearability and comfort (2)
Eleventh week	Textiles finishing practicum – Self-cleaning textiles (1)
Twelfth week	Textiles finishing practicum – Self-cleaning textiles (2)
Thirteenth week	Textiles finishing practicum – Conductive textiles (1)
Fourteenth week	Textiles finishing practicum – Conductive textiles (2)
Fifteenth week	Final examination
Sixteenth week	

[7] Assignments

The first assignment	assignment	Practicum report	submission date	
	purpose	To learn about textile finishing for eco-friendly and smart functions		
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Field Studies in Marine Bio/Geochemistry	Course Number	0005965001
Major / School Year	Dept. of Marine Science / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Marine Science / 김일남	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SF527:월(9)(0A1),화(9)(0A1)]
Office hours		lecture room	

[1] Outline / Purpose

To learn in-situ based oceanographic observation skills via ship training

[2] Course Learning Outcomes

To experience oceanographic observation instruments

[3] Class Delivery Method

Lab and In-situ training

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	40 %	0 %	20 %	0 %	0 %	20 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction to Marine field study
Second week	Learning basic skills for oceanographic training – 1
Third week	Learning basic skills for oceanographic training – 2
Fourth week	Learning advanced skills for oceanographic training – 1
Fifth week	Learning advanced skills for oceanographic training – 2
Sixth week	In-situ oceanographic training
Seventh week	Discussing on in-situ oceanographic training – 1
Eighth week	Discussing on in-situ oceanographic training – 2
Ninth week	Learning ocean physical data processing – 1
Tenth week	Learning ocean physical data processing – 2
Eleventh week	Learning ocean biogeochemical data processing – 1
Twelfth week	Learning ocean biogeochemical data processing – 2
Thirteenth week	Student presentation – 1
Fourteenth week	Student presentation – 2
Fifteenth week	Student presentation – 3
Sixteenth week	Student presentation – 4

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Crisis Communication	Course Number	0008705001
Major / School Year	/ 2	completion division /Grade evaluation	/
Department/Professor	/ 김지선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN104:월(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course will examine current approaches to defining crises, issues management, and crisis management through a mix of discussion, lecture, and presentation. Moreover, the students in this course will explore cutting edge approaches to the study of issues and crisis management by applying research, theory, and case examples to these situations with a goal of developing better issue identification and strategic response sets to crisis situations.

[2] Course Learning Outcomes

- Define key terms relating to crisis communication in public relations
- Locate, interpret, and analyze case studies to identify best and worst practices
- Apply research and crisis management strategies to relevant situations
- Demonstrate ability to develop a crisis communication case studies

[3] Class Delivery Method

Various methods will be employed in this course: lecture, discussion, and presentation. Interactive classroom discussions will enhance learning, but are dependent on student participation.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	20 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	40 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

There is no required textbook in this course. Instead all required readings will be posted on the course website.

[6] Weekly lesson plans

First week	Intro to Course *The instructor reserves the right to change the topics, assignments, grading system, and schedule if necessary. All changes will be announced in class.
Second week	Understanding Crises and Defining Crisis Communication
Third week	Understanding Crisis Communication Theory and Practice I
Fourth week	Understanding Crisis Communication Theory and Practice II
Fifth week	Crisis Management Life Cycle I – Proactive Phase
Sixth week	Crisis Management Life Cycle II – Strategic Phase
Seventh week	Crisis Management Life Cycle III – Reactive Phase Crisis Communication Strategies
Eighth week	Midterm Exam
Ninth week	Crisis Management Life Cycle IV – Recovery Phase Reputation Management
Tenth week	Introduction to Final Project
Eleventh week	Final Project Preparation
Twelfth week	Final Project Preparation
Thirteenth week	Final Presentations
Fourteenth week	Final Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Case Studies in Public Relations	Course Number	0008709001
Major / School Year	/ 4	completion division /Grade evaluation	/
Department/Professor	/ 김지선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN104:월(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course has students apply what they have learned in previous public relations courses to look at public relations from a management or consultant perspective. The case study approach is used to present a range of different types of public relations issues for discussion and analysis.

[2] Course Learning Outcomes

- Understand the strategic role of PR within organizations to identify, prevent, and solve problems or seize opportunities.
- Understand and be able to demonstrate the value of PR from a management perspective.
- Obtain experience in the counseling function of public relations.
- Gain experience working collaboratively in a group to address a PR problem/opportunity.

[3] Class Delivery Method

Various methods will be employed in this course: lecture, discussion, and presentation. Interactive classroom discussions will enhance learning, but are dependent on student participation.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	20 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	40 %	0 %	0 %	0 %

[4] Grading Policies

Grades are earned not given. You are responsible for your own success in the course.

Final course grade will be based on these percentages:

Attendance (20%)

Participation (10%)

Discussion Questions and Discussion Leader (10%)

Midterm Exam (20%)

Final Exam (20%)

Final Project (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	Intro to Course *The instructor reserves the right to change the topics, assignments, grading system, and schedule if necessary. All changes will be announced in class.
Second week	PR Process I
Third week	PR Process II
Fourth week	How to evaluate PR cases
Fifth week	Case Example
Sixth week	Case Example
Seventh week	Case Example
Eighth week	Midterm Exam
Ninth week	Case Example
Tenth week	Case Example
Eleventh week	Final Project Preparation
Twelfth week	Final Project Preparation
Thirteenth week	Final Project Presentations
Fourteenth week	Final Project Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Introduction to Database	Course Number	0009397001
Major / School Year	Dept. of Library and Information Science / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Library and Information Science / 왕린	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN209:월(2)(3)] [ZZ200:화(1)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of this course is to introduce the students to basic concepts of database design and implementation. Topics include database concepts, design concepts, developing relational database management systems using SQL. The course is mainly designed for the students of Library and Information Science department. There will be content related to libraries and the databases used in the libraries which is different with other database introduction courses. Thus, for the students who want to choose this courses, they should have some basic knowledge about libraries and information management.

[2] Course Learning Outcomes

1. Understand essential concepts in database design.
2. Learn basic features of Structured Query Language(SQL) for querying relational databases.

[3] Class Delivery Method

Offline class (Monday) + Online video (Tuesday)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Database system
Second week	Database system
Third week	Data models
Fourth week	Data models
Fifth week	The relational database modeling
Sixth week	The relational database modeling
Seventh week	Entity relationship modeling
Eighth week	Midterm exam
Ninth week	Entity relationship modeling
Tenth week	Introduction to SQL
Eleventh week	Introduction to SQL
Twelfth week	Database design
Thirteenth week	Exercise
Fourteenth week	Exercise
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Libraries	Course Number	0010849001
Major / School Year	Dept. of Library and Information Science / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Library and Information Science / 왕린	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN208:목(2)(3)] [ZZ200:수(1)]
Office hours		lecture room	

[1] Outline / Purpose

This course will introduce concepts, components, technologies and trends of digital libraries. The course will cover the following topics in roughly this order: What is a digital library; The Internet, libraries and publishers; People, organizations and change; Economic and legal issues; Access management and security; User interface and usability; Information retrieval and metadata; Distributed information discovery; Architecture and systems of digital libraries; Repositories and archives; Future of digital libraries.

[2] Course Learning Outcomes

This course will introduce concepts, components, technologies and trends of digital libraries.

[3] Class Delivery Method

Offline class (Thursday) + Online video (Wednesday)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course introduction What is a digital library? Basic concepts and terminology
Second week	Libraries and information visualization Virtual reality: Out of this world
Third week	The Internet, libraries and publishers Economic and legal issues Maximizing assets and assess through digital publishing
Fourth week	Access management and security Economic and legal issues
Fifth week	User interface and usability
Sixth week	Project I
Seventh week	Information retrieval and metadata
Eighth week	Midterm exam
Ninth week	Information retrieval and metadata Text
Tenth week	Distributed information discovery
Eleventh week	Architecture and systems of digital libraries
Twelfth week	Repositories and archives Digital exhibits to digital humanities Digital Repositories
Thirteenth week	Project II
Fourteenth week	Future of digital libraries Bots and the libraries
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Research Methods of Library & Information Science	Course Number	0001707001
Major / School Year	Dept. of Library and Information Science / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Library and Information Science / 왕린	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN103:화(2B-3),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

Through this course, students will have a general understanding of the research methods of Library and Information Science. The research methods include the general research methods, such as literature review, survey and field study, and the special research methods, such as citation analysis, content analysis and information discovery. Student will be able to use these methods to solve practical problems.

[2] Course Learning Outcomes

Course objectives:

- Enable students to understand the basic research methods of Library and Information Science.
- Enable students to conduct the common research methods, such as literature review, survey and field study.
- Introduces student the special research methods of Library and Information Science, such as citation analysis and information discovery.

[3] Class Delivery Method

- Classroom teaching
- Case study
- Group discussion
- Practice

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Literature review
Third week	Literature review
Fourth week	Survey
Fifth week	Survey
Sixth week	Field study
Seventh week	Field study
Eighth week	Midterm Exam
Ninth week	Citation analysis
Tenth week	Citation analysis
Eleventh week	Content analysis
Twelfth week	Content analysis
Thirteenth week	Information discovery
Fourteenth week	Information discovery
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Workplace Counseling	Course Number	0007824001
Major / School Year	Dept. of Creative Human Resource Development / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Creative Human Resource Development / 이은설	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN304:수(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces students to the tasks counseling professionals perform in work-related settings. The focus is on services designed to improve and/or maintain the productivity and healthy functioning of individuals in the workplace through the application of specialized knowledge and expertise about human behavior and mental health. Theories, dimensions, and practices of counseling in organizations are covered through the course.

[2] Course Learning Outcomes

- Understand the concept, approaches, and practice of counseling in the workplace.
- Increase knowledge of how people maintain well-being and well-functioning and manage stress at the workplace.
- Enhance competence in assessing common problems of adults in workplace settings.
- Facilitate ability to identify interventions that have been supported by research as being effective in workplace settings.

[3] Class Delivery Method

Lecture, class discussion, & student presentations

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	송창현(스테르답)	Publisher	가나출판사	Textbook	직장내공(나를 성장시키며 일하는 사람들의 비밀)	Issued year	2019
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

No particular textbook is assigned. Necessary readings for each week will be provided.

[6] Weekly lesson plans

First week	9/6 & 9/7 Course Overview Counseling in Organization: An Overview
Second week	9/13 & 9/14 Counseling and Mental Health Treatment Workplace Counseling (Organizational Counseling)
Third week	9/20 & 9/21 Models of Counseling in Organizations – Internal Counseling Provision for Organizations – External Counseling Provision for Organizations
Fourth week	9/27 9/28은 추석연휴로 휴강 (보강주간에 보강) Structures of Counseling in Organizations – Client – Counselor – Organization and Organization Culture
Fifth week	10/4 & 10/5 Stress & Well-being – Theories of Well-being – Precursors and Outcomes of Well-being – Theories of Work Stress
Sixth week	10/11 & 10/12 Theories of Positive Changes I: Rational Emotive Behavioral Therapy Theories of Positive Changes II: Glasser's Reality Therapy *** Extra readings will be provided.
Seventh week	10/18 & 10/19 Ethical Issues in Workplace Counseling
Eighth week	10/25 & 10/26 Midterm: 10/25
Ninth week	11/1 & 11/2 Practice of Counseling in Organizations – Individual Counseling
Tenth week	11/8 & 11/9 Practice of Counseling in Organizations – Group Counseling – Prevention Focused Psychoeducational Programs
Eleventh week	11/15 & 11/16 Major Issues for Counseling in Organizations – Work Stress & Burnout – Stress Management & Positive Coping Strategies at Work – VR based stress management
Twelfth week	11/22 & 11/23 Major Issues for Counseling in Organizations – Relationship Issues – Workplace Bullying
Thirteenth week	11/29 & 11/30 Major Issues for Counseling in Organizations – Work and Family Issues – Risk Assessment
Fourteenth week	12/6 & 12/7 Student Presentation I: 기업대상 정신건강 교육프로그램 제안서
Fifteenth week	12/13 & 12/14 Student Presentation II: 기업대상 정신건강 교육프로그램 제안서
Sixteenth week	12/20 Final exam

[7] Assignments

The first assignment	assignment	reflection paper I & II	submission date	
	purpose	application of REBT		
	procedure & notice	reflection paper I: application of REBT reflection paper II: application of Reality Therapy		
	references			
	assignment	독후감	submission date	

The second assignment	purpose	직장내공 읽고 독후감		
	procedure & notice	직장내공 읽고 독후감		
	references			
The third assignment	assignment	Team presentation	submission date	
	purpose			
	procedure & notice	Team Presentation: 기업대상 정신건강 교육프로그램 제안서		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Gloval HRD Seminar	Course Number	0001748001
Major / School Year	Dept. of Creative Human Resource Development / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Creative Human Resource Development / 조태준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN304:월(7-8A), 화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

Globalization is profoundly reform social structure and transforming people in this planet.

[2] Course Learning Outcomes

The main purpose of this clas is to develop global competencies according to internationalization.

[3] Class Delivery Method

Each week a group (2-3 students) has to prepare a class presentation (50min). The presentation should include: definitions, background, examples & cases, class activities, and 10 items-quiz.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Diversity
Third week	Prejudice & Discrimination
Fourth week	Sexual Harrassment
Fifth week	Multicultural Education
Sixth week	Globalization
Seventh week	Global Competencies
Eighth week	Mldterm Period
Ninth week	Cultural Intelligence
Tenth week	Human rights
Eleventh week	Environmental Issue
Twelfth week	Religious conflicts
Thirteenth week	International Conflict
Fourteenth week	Issue Presentation
Fifteenth week	Issue Presentation
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Individual National Presentation	submission date	
	purpose			
	procedure & notice	Students must choose one nation and introduce to the class as a HR regional professional - 30 min presentation - This is not a trourism presentation!!!		
	references			
The second assignment	assignment	Global Competency Modeling Poster Session	submission date	
	purpose			
	procedure & notice	Students must build the global competency model - handout for the class - metaphor or conceptual modeling - hand drawing poster		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Global communication	Course Number	0010859001
Major / School Year	Dept. of Public Administration / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358336	A weekday / class /	[SN107:수(1-2A),금(1-2A)]
Office hours	T, W, Th, F 10:30-12:00	lecture room	

[1] Outline / Purpose

The purpose of this class is to prepare students for studying public administration in English-language classes at a college level and to prepare for future careers that operate in a multilingual and multicultural environment.

[2] Course Learning Outcomes

Successful completion of this course should leave the student with a deepened understanding of basic Public Administration concepts, improved communication skills, improved English skills, and the ability to participate fully in an English-language classroom. This will include improved listening, reading, writing, discussion, and presentation skills.

The course will start with general principles and advice for improving English and will focus on Public Administration through summaries of classic PA texts, tying general English to PA. A key component of the course is the creation and implementation of personal goals and a personal action plan for improving English.

[3] Class Delivery Method

The class begins with general English practice in a Public Administration context and moves gradually to present Public Administration content in English. The emphasis of the course is on skills and practice.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
15 %	30 %	0 %	15 %	30 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
5 %	0 %	0 %	0 %	30 %	15 %	30 %	20 %

[4] Grading Policies

Grading: 30% Homework 20% Papers
20% Attendance 20% Tests 10% Presentations

The reading and exercises should be done prior to class so that class time may focus on questions, review, and practical exercises. Preparation will be checked periodically by checking whether or not the readings have been completed as well as through occasional quizzes. Attendance is an important part of the course. If you are unable to attend the class, you should contact the professor as far in advance as possible. Attendance for online contents is checked based on whether and when the contents are accessed. Homework is due at the start of class and should follow the proper format and style. Homework will be marked off for lateness, lack of effort and incompleteness. Very late homework will be marked down extra, while a bonus will be given for superior work. If class is cancelled for some reason, continue to do your work as though class were being held as usual, but turn it in at the next class.

① Percentage of grade evaluation

Exam	Attendance	Assignment
20 %	20 %	60 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Online Text	Issued year
(2)	Author	Publisher	Textbook	Online Course Notes	Issued year
(3)	Author	Publisher	Textbook	Online Video	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Online audio text.

[6] Weekly lesson plans

First week	Introduction–Setting Goals Improving English
Second week	How to Attract Audience Attention
Third week	Study of Administration I
Fourth week	English Writing Before the Law
Fifth week	Holiday Study of Administration II
Sixth week	English Reading
Seventh week	Study of Administration III
Eighth week	Presentation
Ninth week	Midterm Test
Tenth week	Introduction to the Study of Public Administration
Eleventh week	Bureaucracy
Twelfth week	A Theory of Human Motivation
Thirteenth week	Organizations and the Systems Concept
Fourteenth week	Review
Fifteenth week	Paper Final
Sixteenth week	

[7] Assignments

The first assignment	assignment	First Paper	submission date	2023–12–13 Wed
	purpose			
	procedure & notice	A multi–paragraph paper about a public administration issue. The topic is approved, a thesis made, the first drafts are done and checked with peer review, and the final draft is submitted with all parts.		
	references			
The second assignment	assignment	Presentation	submission date	2023–10–25 Wed
	purpose			
	procedure & notice	A 5–7 minute presentation in front of class on a topic approved by the instructor.		
	references			

The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	RESEARCH METHODS FOR PUBLIC ADMINISTRATION	Course Number	CFB6009001
Major / School Year	Dept. of Public Administration / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Public Administration / 이신우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN107:화(2B-3),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces students to the theories, principles, and techniques of effective research design and examines how they are applied in the professional field of public management. Among other topics, we will examine important ideas such as research ethics, research process and design, conceptualization and measurement process, interviewing and field research, and survey design and administration.

[2] Course Learning Outcomes

The end-goal of this semester is to prepare you to both conduct and interpret research in the professional domain and to apply those skills to effective managerial decision-making.

[3] Class Delivery Method

Lecture and open-discussions

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Choi Changhyun	Publisher	Yoonseongsa	Textbook	Research Methods	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction Why 'Research' and 'Research Methods'?
Second week	Social Science and Its Main Characteristics (Textbook Chapter 1)
Third week	Research Ethics (Supplementary Textbook)
Fourth week	Research Process (Textbook Chapter 2)
Fifth week	Theory (Textbook Chapter 3)
Sixth week	Measurement and Scale (Textbook Chapter 4)
Seventh week	Sample and Sampling (Textbook Chapter 5)
Eighth week	Midterm Exam
Ninth week	Research Method: Survey (Textbook Chapter 6: 195-210)
Tenth week	Research Method: Experiment (Textbook Chapter 6: 241-254)
Eleventh week	Research Method: Case Studies (Textbook Chapter 6: 275-279)
Twelfth week	Semester Review
Thirteenth week	Research Article Summary Presentation
Fourteenth week	Research Article Summary Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Research Article Summary Presentation	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	THEORIES OF LEADERSHIP	Course Number	CFB6060001
Major / School Year	Dept. of Public Administration / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Public Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358336	A weekday / class /	[SN204: 화(4-5A), 수(4-5A)]
Office hours	T, W, Th, F 10:30-12:00	lecture room	

[1] Outline / Purpose

The purpose of this class is to provide students with an introduction to leadership in the English language and how to apply leadership in public and private management.

[2] Course Learning Outcomes

Successful completion of this course should leave the student with improved English communication skills, a basic understanding of the four major models of leadership and thus be able to apply their own understanding of leadership theory to practical cases.

[3] Class Delivery Method

The class overviews the major schools of leadership, illustrating concepts through practical exercise, moves on to consider some special situations and ends up with practical application of the course concepts. This time is expected to be taught online. The course usually provides extensive offline practical activities, which will be adapted to do online or offline and results submitted online. Materials will be provided in multiple formats to accommodate different learning styles. Course video will be provided along with online text, audio text, and lecture notes. Following a review of material, there will be online discussions via Zoom. The workbook will be submitted as regular online quizzes and there will be some occasional homework to be submitted online. Student teams will be formed early with some exercises conducted as teams to emphasize team concepts. There will be 1:1 sessions via video or phone to make sure that no one is left behind and to provide individualized feedback.

Considering that the course of the semester is not known, enough material will be available if there is some problem with the online video discussions. If there is some change and it becomes safe to hold classes in-person and the entire class feels comfortable doing so, the professor will follow the wishes of the students in this regard.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
15 %	15 %	0 %	20 %	30 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
5 %	0 %	0 %	0 %	30 %	15 %	30 %	20 %

[4] Grading Policies

Grading: 20% Preparation 20% Homework
20% Attendance 30% Tests 10% Leadership Evaluation
Preparation should be verified by doing the online quiz.

Attendance is an important part of the course. If you are unable to attend the class, you should contact the professor as far in advance as possible. The attendance grade includes participation and a good-faith effort should be made to participate in class. Attendance for online contents is checked based on whether and when the contents are accessed. Homework is due at the start of class and should follow the proper format and style. Homework will be marked off for lateness, lack of effort and incompleteness. Very late homework will be marked down extra, while a bonus will be given for superior work. If class is cancelled for some reason, continue to do your work as though class were being held as usual, but turn it in at the next class.

① Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Online Course Text Provided by Instructor	Issued year
(2)	Author	Publisher	Textbook	Online Lecture Notes	Issued year
(3)	Author	Publisher	Textbook	Online AV Materials	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year

(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Online Workbook, Online Audio

[6] Weekly lesson plans

First week	Leadership Overview
Second week	Leadership Motivation
Third week	Followers
Fourth week	Leadership Traits
Fifth week	Holiday Leadership Behavior
Sixth week	Contingency Leadership
Seventh week	Midterm Review Midterm
Eighth week	Team Leadership
Ninth week	Self-Management
Tenth week	Charismatic Leadership
Eleventh week	Transformational Leadership
Twelfth week	Strategic Leadership
Thirteenth week	Negotiation
Fourteenth week	Strategic Negotiation Exercise
Fifteenth week	Final Review Final
Sixteenth week	

[7] Assignments

The first assignment	assignment	Workbook 1-6	submission date	2023-10-26 Thu
	purpose	Broad Review of Course		
	procedure & notice	Will be provided as online quizzes. Workbook 7-12 due 12/14		
	references			
The second assignment	assignment	Strategic Plan/Goals	submission date	2023-12-04 Mon
	purpose	Practice Strategy/Evaluation		
	procedure & notice	Done as a group assignment.		

		Review of Strategic Exercise performance due 12/11.		
	references			
The third assignment	assignment	Leadership Evaluation	submission date	2023-12-12 Tue
	purpose	Practice Course Concepts with a leader		
	procedure & notice	Provided in .ppt format.		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CIVIL SOCITEY	Course Number	CFB6066001
Major / School Year	Dept. of Public Administration / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Public Administration / 제시 캠벨	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN204:월(5B-6),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Civil society usually denotes a 'third sector' distinct from both the state and the market. In this course, the concept and key formulations of civil society, its underlying mechanisms, and its consequences will be explored. Based partly on its close relationship to social capital, scholars have argued that civil society is a key mechanism that underlies a number of important functions relevant to society such as public values and democracy, community governance, and economic development. At the same time, others have documented the role of civil society as a (potential) check on the excesses of the state and the market, conceptualizing it as an antagonistic rather than complementary force. At the international level, international non-governmental organizations, as supranational realizations civil society interests, have come to play a significant role in shaping the international agenda and representing the interests of marginalized citizens across the globe.

[2] Course Learning Outcomes

After establishing an understanding of these key concepts, in the final weeks of the course we will look at civil society from a comparative perspective, including the historical and contemporary role of civil society the development of South Korean democracy. By the end of the course, students should have a strong understanding of the role of civil society in shaping the quality of government and public services.

[3] Class Delivery Method

This class will combine lectures with class discussion and presentations. Students should come to class with the assigned readings completed and ready to share their ideas.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	The concept of civil society
Second week	Civil society in Ancient Greece, the Middle Ages, and the Reformation
Third week	Pre-Enlightenment: Thomas Hobbes, John Locke, and the modern state
Fourth week	The Enlightenment, Progress, and The French Revolution
Fifth week	The economic sphere: Adam Smith and Karl Marx Class presentations
Sixth week	Alexis De Tocqueville I: Precursors (Montesquieu, Rousseau, and Burke)
Seventh week	Alexis De Tocqueville II: American local government
Eighth week	Alexis De Tocqueville III: Civil society and social capital Midterm examination
Ninth week	Grassroots organizations, social change organizations, and social movements
Tenth week	Non-government organizations
Eleventh week	Global civil society
Twelfth week	Development NGOs Class presentations
Thirteenth week	Nonprofit organizations
Fourteenth week	The internet and civil society
Fifteenth week	Recapitulation of key ideas Week 16: Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	PUBLIC MANAGEMENT		Course Number	CFB6011001		
Major / School Year	Dept. of Public Administration / 2	completion division / Grade evaluation	/			
Department/Professor	Dept. of Public Administration / 제시 캠벨	Grades/Lecture/ Practice	3	/	3	/ 0
Phone Number			A weekday / class /	[SN107:화(5B-6),수(5B-6)]		
Office hours			lecture room			

[1] Outline / Purpose

Managers and public sector employees work in increasingly complex, interdependent, and budget-constrained contexts, and are often subject to conflicting demands from both above and below (that is, from both legislators and citizens). This course introduces students to key issues, concepts, and problems in the field of organization theory and management from the perspective of the public manager. Beginning with some classical theories of organizing and managing and progressing to contemporary ideas, this course aims to provide students with a foundation of knowledge and understanding of the public sector work context and the challenges faced by managers. Near the end of the course, we will focus increasingly on the Asian and Korean administrative context to better understand how Western theories of organizing and managing may need to be modified and extended to account for the unique characteristics of the East.

[2] Course Learning Outcomes

By the end of the course, students should be able to understand and discuss key ideas relevant to managing in the public sector, as well as important debates about improving the effectiveness of public management.

[3] Class Delivery Method

This class will combine lectures with class discussion and presentations. Students should come to class with the assigned readings completed and ready to share their ideas.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	H. G. Rainey	Publisher	Textbook	Understanding and Managing Public Organizations	Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year

[Reference books]

(1)	Author		Publisher	Textbook		Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year
(4)	Author		Publisher	Textbook		Issued year
(5)	Author		Publisher	Textbook		Issued year

[Other books]

All readings for the course will be made available by the instructor. The download link for the course package will be provided in

class on the first day.

Each week a key reading is specified and several supplementary readings are also listed. Students are responsible for the main reading(s) only, however the additional readings may also be discussed as well. From time to time, the instructor will highlight especially noteworthy specific passages in the additional readings for students.

Any additional content (or changes to the syllabus) will be announced prior to the session so that students have sufficient time to prepare.

Note: Some of the readings are quite challenging, a feature that will be compounded for students with a less than fluent grasp of English. Please, do your best with these. In turn, I will do my best to present the important ideas from the readings in an accessible, clear way.

[6] Weekly lesson plans

First week	Introduction: Key issues for public management
Second week	Public and private organizations: Fundamentally the same?
Third week	The environment of public organizations
Fourth week	Publicness and its relevance for public management Student presentations
Fifth week	Classic organization theorists I
Sixth week	Classic organization theorists II
Seventh week	Public choice critiques of public organizations
Eighth week	Midterm examination
Ninth week	New Public Management
Tenth week	Performance management
Eleventh week	Classics of (job) motivation theory
Twelfth week	Public service motivation Student presentations
Thirteenth week	Leadership
Fourteenth week	The Korean administrative context
Fifteenth week	Final examinations
Sixteenth week	Final Exams

[7] Assignments

The first assignment	assignment	Essay	submission date	
	purpose			
	procedure & notice	A set of essay questions will be given to students near the beginning of the term. Students will be expected to write a 2,500 word essay (about 8 pages, double spaced 12 point font) summary and opinion piece about a topic covered in the class. In the essay, students will discuss a concept relevant to public organizations or management by engaging with class and auxiliary readings. Topics and detailed instructions will be provided in class.		
	references			
The second assignment	assignment	Case study group presentation	submission date	
	purpose			
	procedure & notice	In pairs or small groups, students will make a short presentation focusing on a topic from the class.		
	references			

The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	GOVERNMENT REGULATION		Course Number	CFB6071001		
Major / School Year	Dept. of Public Administration	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Public Administration	/ 이신우	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SN204:화(7-8A),금(7-8A)]		
Office hours			lecture room			

[1] Outline / Purpose

This Course is open to (only) domestic students, not to international students. This course is lead by Korean, although course materials (lecture notes and cases) use English.

This course is intended to offer fundamental knowledge to help a better understanding of governmental regulation and its activities in terms of the main principles and types. Specifically, this course covers the concepts and types of governmental regulation, the benefits and functions of governmental regulation, organizational characteristics of regulation agencies, regulation reforms and processes, and other topics. Students will learn how governmental regulations and relevant activities are related to our economic and social activities.

[2] Course Learning Outcomes

1. Understanding of Fundamental Concepts and Theoretical Backgrounds of Governmental Regulation
2. Understanding of Critical Functions and Types of Governmental Regulation
3. Understanding of Regulation Reforms and Anti-Regulation Movements

[3] Class Delivery Method

The class involves a mix of basic lecture and case studies with students' discussions.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	10 %	0 %	0 %	0 %	0 %	0 %	10 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	0 %	0 %	0 %	10 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Bae Youngsoo	Publisher	Daeyound Munwhasa	Textbook	Regulation Policy	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Kim Yongwoo	Publisher	Daeyound Munwhasa	Textbook	Government Regulation	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	Course Introduction Market and Government(Textbook Chapter 1)
Second week	Nature of Government Regulation(Textbook Chapter 2)
Third week	Systems of Government Regulation(Textbook Chapter 3)
Fourth week	Regulation Institutions/Tools(Kim, Chapter 9 & 10)
Fifth week	Monopolistic Regulation(Textbook Chapter 5)
Sixth week	Economic Regulation(Textbook Chapter 6)
Seventh week	Social Regulation(Textbook Chapter 7)
Eighth week	Midterm Exam Week: Assignment
Ninth week	Benefits of Government Regulation(Kim, Chapter 11)
Tenth week	Anti-Regulation Movements(Kim, Chapter 12)
Eleventh week	Regulation Reforms(Textbook Chapter 8)
Twelfth week	Regulation Reforms in Korea(Textbook Chapter 9)
Thirteenth week	Seminar on Governmental Regulation (Presentation Week)
Fourteenth week	Semester Review for Final Exam
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Regulation Policy Project Proposal(Midterm Assignment)	submission date	
	purpose			
	procedure & notice	Individual or group assignment 2-pages of project topic and background information		
	references			
The second assignment	assignment	News Briefing	submission date	
	purpose	현재 한국에서 (혹은 외국에서) 논의되고 있는 규제관련 토픽 발표(5~10분)		
	procedure & notice	Extra credit assignment(Only volunteers) 5-minutes news presentation covering government regulation		
	references			
The third assignment	assignment	Regulation Policy Presentation	submission date	
	purpose			
	procedure & notice	Final project presenting regulation policy recommendations		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Global Governance	Course Number	0009405001
Major / School Year	Dept. of Public Administration / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358336	A weekday / class /	[SN204:목(4-5A),금(4-5A)]
Office hours	T, W, Th, F 10:30-12:00	lecture room	

[1] Outline / Purpose

The purpose of this class is to provide Korean students with an introduction to the theory and practice of global governance and international administration in the English language.

[2] Course Learning Outcomes

Successful completion of this course should leave the student with improved English communication skills, a basic understanding of the major features of international administration and be able to apply them in an analytical way to evaluating novel cases. The class will prepare students to consider the governance of international organizations and to participate more fully as domestic and world citizens as well as to understand their options related to dealing with such systems.

[3] Class Delivery Method

The class overviews the major aspects of global governance and then investigates the features in the context of a number of issue areas with application of course concepts. The course usually proceeds in a seminar style. This time is expected to be taught online. Materials will be provided in multiple formats to accommodate different learning styles. Course video will be provided along with online text, audio text, and lecture notes. Following a review of material, there will be online discussions via Zoom. There will be questions for discussion online. Regular assignments will be submitted and feedback provided online. There will be 1:1 sessions via video or phone to make sure that no one is left behind and to provide individualized feedback. Considering that the course of the semester is not known, enough material will be available if there is some problem with the online video discussions. If there is some change and it becomes safe to hold classes in-person and the entire class feels comfortable doing so, the professor will follow the wishes of the students in this regard.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
15 %	35 %	0 %	0 %	40 %	0 %	0 %	10 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
5 %	0 %	0 %	0 %	30 %	15 %	30 %	20 %

[4] Grading Policies

Grading: 10% Project 10% Homework
20% Attendance 30% Tests 30% Discussion

Preparation will be checked periodically by checking whether or not the readings have been completed as well as through occasional quizzes. Attendance is an important part of the course. If you are unable to attend the class, you should contact the professor as far in advance as possible, preferably by email. Attendance for online contents is checked based on whether and when the contents are accessed. Homework is due at the start of class and should follow the proper format and style.

Homework will be marked off for lateness, lack of effort and incompleteness. Very late homework will be marked down extra, while a bonus will be given for superior work. If class is cancelled for some reason, continue to do your work as though class were being held as usual, but turn it in at the next class.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)			Online Course Book	
(2)			Online Course Notes	
(3)			Online Video Lecture	

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Lee Gwangseog et al Paul Diehl and	Daeyongmunhwasa	Googje Haengjeongnon	2015

(2)	Author	Brian Friederking, eds	Publisher	Lynne Rienner	Textbook	The Politics of Global Governance	Issued year	2010
(3)	Author	Margaret Karns and Karen Mingst	Publisher	Lynne Rienner	Textbook	International Organizations	Issued year	2010
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Online Audio

[6] Weekly lesson plans

First week	Introduction to Global Governance
Second week	Challenges of Global Governance
Third week	The UN
Fourth week	Regional Organizations Holiday
Fifth week	Holiday Non-State Actors
Sixth week	Health
Seventh week	Review
Eighth week	Midterm Test
Ninth week	Peace and Security
Tenth week	Human Rights
Eleventh week	Environment GCF
Twelfth week	Economy and Development
Thirteenth week	WTO and Trade
Fourteenth week	Monetary Governance
Fifteenth week	Review Final
Sixteenth week	

[7] Assignments

The first assignment	assignment	Course project	submission date	2023-12-07 Thu
	purpose	Application of Course Concepts		
	procedure & notice	Flexible date and assignment. Choosing from a selection of movies, books, a comic book, and board games, or an alternate idea. The student prepares a .ppt applying course concepts and leads a discussion.		
	references			
The second	assignment		submission date	
	purpose			

assignment	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENVIRONMENT ADMINISTRATION	Course Number	CFB6040001
Major / School Year	Dept. of Public Administration / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration / 타오	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN204:화(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

The objective of this course is to use the public administration skills learned throughout your coursework and apply them to environmental administration. As global warming grows in urgency, examination of practices that either worsen or improve these conditions should be a priority. We will look at what Korea is doing, compared to its neighbors in East Asia, and we will look at local governments in Korea, since they have been tasked with addressing climate change issues.

[2] Course Learning Outcomes

Environmental administration is an interdisciplinary field in most countries. However, in South Korea, most government officials are generalists. This means that government relies on researchers in industry to provide information on how well Korea is addressing environmental problems. This means that government officials need to know how to understand and analyze data they are given from these sources. It also means that officials should have communication skills that can present the actions that government is taking in ways that citizens can understand. For these reasons, the course assignments will be related to interpreting environmental data, analyzing government responses, and communicating those responses to the public (see Grading Policies below)

[3] Class Delivery Method

This class meets twice a week: the first class will be lecture with a question and answer period at the end. The second class will be an activity that helps demonstrate the concepts/ideas that were discussed in the first class.

The class will also be recorded, so that students who do not catch everything said in lecture can watch again, with a transcript, to help improve comprehension.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
45 %	5 %	40 %	0 %	0 %	0 %	10 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	20 %	0 %	0 %	30 %

[4] Grading Policies

There will be two exams: Midterm during the 8th week (October 26th) and a final exam during exam week (December 14th). Both tests will be approximately 90 minutes. The exams are worth 60% of the course grade (see above)

Throughout the semester, there will be inclass exercises to help with comprehension of the course materials. These will help prepare students for the final assignment, the preparation of a mock website to explain a government environmental program to the public. (20%)

In order to do well on these course requirements, regular attendance is necessary. Attendance and active participation will be 20 % of the course grade.(20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Im Tobin	Publisher	Routledge	Textbook	Public Organizations in Asia:	Issued year	2016
(2)	Author	UNESCAP	Publisher		Textbook	Various reports UNESCAP	Issued year	2023
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

There will be reading materials posted on the LMS e-Learning site each week. These will be helpful for understanding class lectures and doing well on class assignments.

[6] Weekly lesson plans

First week	Welcome to the Anthropocene! What is Environmental Administration? Why is it "collective action problem-solving"?
Second week	The Role of Governments in solving environmental problems and the issue of market failure. First in-class exercise on Thursday, Sept. 14th
Third week	"What kinds of problems does environmental administration solve? Ministry of the Environment and Ministry of Energy" NO CLASS ON THURSDAY, SEPTEMBER 21st (Professor in Poland)
Fourth week	How much can the Korean government do to solve environmental problems? The issue of air pollution and "dirty neighbors". NO CLASS ON THURSDAY--Chuseok Holiday!! Have a good Chuseok!
Fifth week	NO CLASS ON TUESDAY--Happy Korea Founding Day! The role of local governments in protecting the environment: the complicated past of Songdo. Guest appearance by the East Asian Australasian Flyway Partnership from G-Tower.
Sixth week	The role of local governments continued: drinking water quality and seabed health (Incheon City government)--how clean is your drinking water, and how healthy is your seafood? Guest appearance from IFEZ Environment and Forestry Team.
Seventh week	Cooperation and competition: the fights over trash. Sudokwon Landfill, Gyeonggi Province, Incheon City, and Seoul Special City. Guest appearance: Sofia Matas, University of Porto, Portugal--How to interpret and communicate data on difficult subjects?
Eighth week	Tuesday's class: Review for Midterm exam. MIDTERM EXAMINATION (Thursday, October 26th)
Ninth week	What tools do governments have to address environmental issues? Looking at regulations, enforcement, and education. Exercise to create a draft website.
Tenth week	How effective are efforts to address environmental issues? Failures and successes--what makes a difference? Policy versus outcomes--impact assessment exercise.
Eleventh week	Generalist versus specialist: South Korea's civil service crisis of expertise. Exercise: translating a research document for the general public.
Twelfth week	Communicating complex ideas to the public: how to crack the issue attention cycle. Exercise: break it down and post it.
	Looking at the future: why doing nothing is not an option, and how Korea could become a world leader.

Thirteenth week	Final exercise for completing website.
Fourteenth week	Presentation of websites in class.
Fifteenth week	FINAL EXAM–December 14th
Sixteenth week	Makeup classes if necessary.

[7] Assignments

The first assignment	assignment	Midterm exam	submission date	2023-10-26 Thu
	purpose	To see how well students are mastering course material		
	procedure & notice			
	references			
The second assignment	assignment	Presentation of website	submission date	2023-12-07 Thu
	purpose	To communicate the analysis of data for an environmental project.		
	procedure & notice	The website will be developed over the second half of the semester. Students will work in pairs or groups of three to create the websites under the supervision of the professor.		
	references			
The third assignment	assignment	Final exam	submission date	2023-12-14 Thu
	purpose	To make sure students have grasped the important concepts presented during the semester		
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL ORGANIZATION	Course Number	CFC6004001
Major / School Year	Dept. of Political Science & Int'l Relations / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 박요한	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN106:화(2B-3),수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course serves as an introduction (but highly intensive in terms of reading amount) to theories and practices pertaining to international relations and international organizations. International organizations are just tools for cooperation and peace among countries in the international system rather than world government or destination per se. Therefore we aim to understand the functions and limits of international organizations. This class is very theoretical in nature and requires a substantive amount of reading. So be prepared and fully apply yourself!

[2] Course Learning Outcomes

The purpose of this class is threefold:

1. to learn theoretical and creative thinking
2. to put our theoretical learning into real world practices
3. to better understand international relations and our every day life to make both of them better.

[3] Class Delivery Method

1. before class: students should read the assigned readings.
2. in class, students should show their reading and understanding of the reading during lecture and discussion.
3. after class, students should review what they have learned and think about the way to apply to their everyday life.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	30 %	30 %	0 %	5 %	0 %	0 %	5 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Academic Journal Articles	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook		Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Intro
Second week	How to think social scientifically
Third week	Politics: Domestic and International
Fourth week	State of Nature 1. Hobbesian World View Anarchic World
Fifth week	State of Nature 2. Lockean World View Inconvenient but Cooperative World
Sixth week	State of Nature 3. Rousseau's World View Harsh but Tranquil World
Seventh week	International System, Structural Realism
Eighth week	Midterm Exam
Ninth week	International Cooperation, Structural Liberalism
Tenth week	Socially Constructed Anarchy, Constructivism
Eleventh week	International Cooperation and International Organization
Twelfth week	Limits of International Organization
Thirteenth week	Potentials of International Organization
Fourteenth week	UN
Fifteenth week	IMF and World Bank
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Theory Practice 1	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Theory Practice 2	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	KOREAN POLITICS		Course Number	CFC6050001		
Major / School Year	Dept. of Political Science & Int'l Relations / 2		completion division / Grade evaluation	/		
Department/Professor	Dept. of Political Science & Int'l Relations / 우병득		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number	0328358348		A weekday / class / lecture room	[SN106:목(7-8A)] [SN107:월(7-8A)]		
Office hours	1) Tuesday 14:00-16:00, 2) Before and After the Course, 3) By Appointment via Email					

[1] Outline / Purpose

This course aims to understand Korean politics such as the political and economic development of South Korea, industrialization, democratization, and interest group Politics. At the same time, we will explore various issues in contemporary South Korea including migration, immigrants, gender and generation gap, and inequality.

The contents of this course will be flexible. The updated version of the syllabus will be announced in the first week of this semester.

[2] Course Learning Outcomes

At the end of the semester, you will

1. Understand Korean Politics
2. Be able to explain crucial themes related to Korean Politics
3. Establish your thoughts on contentious issues in contemporary South Korea.

[3] Class Delivery Method

Lecture, Presentation, and Discussion among Students and Instructor.
Reading Materials and lecture slides will be provided.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

1. Attendance (20%)

2. Team Presentation (30%): You will select a topic assigned to one of the weeks and will present about the topic. The presentation will be around 20 minutes including Q&A. In the first week, your teammates will be determined.

3. Discussion: (20%): Discussion is one of the important evaluation criteria in this course. Students will be grouped into several small groups and discuss what they learned in class with the instructor. After the discussion, each small group will have three minutes to share what they discussed. Small group members will be determined in each class.

4. Final Exam (30%): In-class final exam in Week 15. Basically, students will be required to write about certain themes they learned during the semester. The themes will be announced before the final exam.

It should be noted that this course syllabus might change. The updated version of the syllabus will be announced in the first week of this semester.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

--	--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction
Second week	Overview of Political and Economic Development of South Korea
Third week	The Korean War and Political Ideology
Fourth week	Industrialization, Economic Development, and Developmental State
Fifth week	Democracy, Democratization of South Korea, and Civil Society
Sixth week	Democratic Consolidation of South Korea
Seventh week	Electoral System and Korean Party Politics
Eighth week	Mid-Term Exam Week
Ninth week	Presidency and Legislature
Tenth week	Regional Politics
Eleventh week	Interest Group Politics
Twelfth week	Issues in Contemporary South Korea (1): Migration and Immigrants, and Contentious Politics
Thirteenth week	Issues in Contemporary South Korea (2): Gender and Generation Gap, and Party Polarization
Fourteenth week	Issues in Contemporary South Korea (3): Inequality and Deliberative Democracy
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	
	purpose			

The third assignment		
	procedure & notice	
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Classical Theories of International Relations	Course Number	0010069001
Major / School Year	Dept. of Political Science & Int'l Relations / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 박요한	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN102:수(5B-6)] [SN106:화(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course is an advanced level reading seminar on Classical Theories of International Relations. You might find the reading loads are substantial but this is necessary for the course of this nature. Hence, be prepared to fully engage in this class.

This course is intended to offer a broad overview of theories and concepts related to international relations. This course is theoretical, as indicated in its name. You will find it very important to read the materials thoroughly and carefully. Each of the readings has provided fundamental insights for the development of International Relations as an academic discipline. Each of the reading also still gives us very important insights for our understanding of this 21 century international relations and globalization. Yet, you will still discover weaknesses, flaws, and/or inconsistencies in it. Try to grasp the main points of the readings and be prepared to evaluate the strengths and weaknesses.

[2] Course Learning Outcomes

This course also aims to increase your critical thinking, arguably the most essential skill in college education. Critical thinking includes, but not limited to, logical inference, pattern recognition, reading comprehension, effective writing and communication. The first step to achieve these goals is you thoroughly read the assigned readings before each class according to the course schedule. This course is an upper-level seminar course. Unlike lower level courses, it is not designed to be a one-way lecture from the instructor to students. Therefore, this course involves substantial participation from the students' side. That means the success of this course depends, to a great degree, on students' preparedness for weekly subjects and active participation. Active participation means not just showing up but thoughtfully answering questions and being respectful of the teacher and other students.

[3] Class Delivery Method

My lecture style is to ask students a lot of questions. Although time will be usually set aside for lecture, I expect you will come to class having completed the assigned readings and prepared to discuss the readings and lecture materials. The answers to these questions are found in class discussion between students and the professor. This in-class discussion makes up a good portion of the lecture materials that I wish to cover and will be included in the exams. I will give some extra credit opportunities during our lectures and discussions. So be prepared to be fully involved in class discussions.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Intro
Second week	Mencius
Third week	Hobbes
Fourth week	Locke
Fifth week	Rousseau
Sixth week	Kant
Seventh week	Smith/Schumpeter
Eighth week	Midterm exam
Ninth week	Malthus
Tenth week	Morgenthau
Eleventh week	Waltz
Twelfth week	Keohane/Nye
Thirteenth week	Wendt
Fourteenth week	Mearsheimer
Fifteenth week	Marx/Lenin
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	COMPARATIVE POLITICS OF ASIA	Course Number	0005911001
Major / School Year	Dept. of Political Science & Int'l Relations / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 우병득	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358348	A weekday / class / lecture room	[SN106:화(8B-9),수(8B-9)]
Office hours	1) Tuesday 14:00-16:00, 2) Before and After the Course, 3) By Appointment via Email		

[1] Outline / Purpose

This course aims to understand the basic logic of the comparative method and analyze Asian countries. We will cover various Asian countries including East Asian countries (South Korea, Japan, China, and North Korea), Southeast Asian Countries (Indonesia, the Philippines, Malaysia, Thailand, Cambodia, Laos, Singapore, Vietnam, and Hong Kong), and South & West Asian Countries (Israel, Palestine, Iraq, and Kuwait). We will compare regime types, legislature & executive branches, decision-making processes, etc of the countries. The contents of this course will be flexible. The updated version of the syllabus will be announced in the first week of this semester.

[2] Course Learning Outcomes

At the end of the semester, you will

1. Understand and apply methodologies in comparative politics
2. Be an expert in at least two Asian countries
3. Be able to write an article focusing on the comparison among Asian Countries

[3] Class Delivery Method

Lecture, Presentation, and Discussion among Students and Instructor.
Reading Materials and lecture slides will be provided.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

1. Attendance (20%)

2. Team Presentation (30%): You will select a topic assigned to one of the weeks and will present about the topic. The presentation will be around 20 minutes including Q&A. In the first week, your teammates will be determined.

3. Discussion: (20%): Discussion is one of the important evaluation criteria in this course. Students will be grouped into several small groups and discuss what they learned in class with the instructor. After the discussion, each small group will have three minutes to share what they discussed. Small group members will be determined in each class.

4. Final Exam(Individual Paper) (30%): Students will be required to write a 10 pages paper comparing at least two countries by applying the comparative methodology. Students will select themes such as political regimes and outcomes, and countries they will examine. Detailed information about the individual paper will be announced in the first week of the semester.

It should be noted that this course syllabus might change. The updated version of the syllabus will be announced in the first week of this semester.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction
Second week	Methodology in Comparative Politics
Third week	East Asian Countries (1): South Korea and Japan
Fourth week	East Asian Countries (2): China and North Korea
Fifth week	Issues of Contemporary East Asian Countries
Sixth week	Southeast Asian Countries (1): Indonesia, the Philippines, Malaysia, and Thailand
Seventh week	Southeast Asian Countries (2): Cambodia and Laos
Eighth week	Mid-Term Exam Week
Ninth week	Southeast Asian Countries (3): Singapore, Vietnam, and Hong Kong
Tenth week	Issues of Contemporary Southeast Asian Countries
Eleventh week	South & West Asian Countries (1): India, Pakistan, and Afghanistan
Twelfth week	South & West Asian Countries (2): Israel and Palestine
Thirteenth week	South & West Asian Countries (3): Iraq and Kuwait
Fourteenth week	Issues of Contemporary South & West Asian Countries
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The third assignment	purpose	
	procedure & notice	
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	FOREIGN POLICIES	Course Number	CFC6093001
Major / School Year	Dept. of Political Science & Int'l Relations / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 이경석	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358344	A weekday / class /	[SN102:화(2B-3)] [SN106:목(5B-6)]
Office hours	Wednesday 13:00~15:00 or by appointment	lecture room	

[1] Outline / Purpose

This course offers a wide array of topics in the domain of foreign policy. The course is divided into two main parts. First, we will examine the theoretical foundations of foreign policy. Who are the key actors influencing foreign policy? In dealing with this question, we will analyze diverse topics such as political elites, bureaucratic politics, domestic institutions, and foreign policy. Second, based on theoretical grounds, we delve into the range of subjects in the foreign policy toolkit: military alliances, deterrence, nuclear weapons, economic sanctions, foreign aid, positive inducements, international organizations, and grand strategy.

[2] Course Learning Outcomes

The purposes of the course are to understand the theoretical backgrounds of foreign policy and various foreign policy topics. This course aims to cultivate the critical thinking capability to analyze foreign policy. By the end of the course, students will

- Understand the basics of evaluating arguments using social science tools
- Understand crucial theories of foreign policy
- Analyze who influences foreign policy
- Understand the wide domains of foreign policy
- Critically evaluate the contemporary foreign policy topics

[3] Class Delivery Method

This course class is basically lecture-based with discussion.

* This syllabus is subject to further change or revision, as needed, to best realize the educational goals of the course. Necessary revisions will be announced.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Your course grade will be based on the following items

- Midterm exam (25%)
- Final exam (35%)
- Response Paper (20%)
- Class Participation (10%)
- Class Attendance (10%)

- Midterm exam (25%): This exam will cover materials from Part I of the course.

- Final exam (35%): This exam will cover all of the materials from the course.

Both exams will include multiple choice, true-false questions, short and long answers. The exams cover the materials from the assigned readings and notes discussed in the class.

- Response paper (20%): Students can arbitrarily choose 10 articles from the reading lists (10*2=20). Students need to submit a one page response paper (single-spaced, 12-pt Times News Roman Font, and standard margins) before the class starts (hard-copy). The response paper should entail the following contents: research question, arguments, research design, and key findings.

- Class Participation (10%): I expect the students will share their thoughts and provide constructive feedback to their colleagues. I will record participation scores at the end of each class based on the following 4-point scale.

3: The student provided at least one constructive comment on the paper (topic) that was discussed during a given class period.

2: The student commented on between 50 and 99 percent of the paper (topic) that was discussed during a given class period.

1: The student participated but commented on fewer than 50 percent of the paper (topic) that was discussed during a given class period.

0: The student did not participate at all.

- Class Attendance (10%)

Late Work Policy

Late work will be penalized according to the following scheme.

- Within 24 hours after the assignment deadline: your maximum score will be 90%
- More than 24 hours late: your maximum score will be 50%

Late work will be excused only in the case of university-excused absences.

Re-Grading Policy

Students who want to appeal a grade on an exam or assignment must submit a written regrading request. This request must be turned in within five working days after the graded exams or assignments are returned to the class. The written statement must explain exactly why the student believes the current grade is incorrect. The entire assignment or exam will be regraded; your grade may increase or decrease as a result.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Class overview How to read political science papers
Second week	Theoretical Foundations of Foreign Policy I Hudson, Valerie. 2005. "Foreign policy analysis: Actor-specific theory and the ground of international relations." Foreign Policy Analysis 1:1-30. Elman, Colin. 1996. "Horses for courses: Why not neorealist theories of foreign policy?" Security Studies 6(1): 7-53.
Third week	Theoretical Foundations of Foreign Policy II Rose, Gideon. 1998. "Neoclassical realism and theories of foreign policy." World Politics 51(1): 144-172. Robert Putnam. 1988. "Diplomacy and Domestic Politics: The Logic of Two-Level Games." International Organization 42(3): 426-460.
Fourth week	Political Elites and Foreign Policy Saunders, Elizabeth. 2022. "Elites in the making and breaking of foreign policy." Annual Review of Political Science 25: 219-240. (9/28) No Class - Chuseok Holiday
Fifth week	Bureaucracy and Foreign Policy (10/3) No Class - National Foundation Day Allison, Graham and Morton H. Halperin. 1972. "Bureaucratic politics: A paradigm and some policy implications." World politics 24(S1): 40-79.
	Legislatures and Foreign Policy

Sixth week	Drezner, Daniel W. 2000. "Ideas, bureaucratic politics, and the crafting of foreign policy." <i>American Journal of Political Science</i> 44(4): 733–749. Aldrich, John H., et al. 2006. "Foreign policy and the electoral connection." <i>Annual Review of Political Science</i> 9: 477–502"
Seventh week	Domestic Factors and Foreign Policy Jacobs, Lawrence and Benjamin Page. 2005. "Who influences US foreign policy?" <i>American Political Science Review</i> 99.1 (2005): 107–123. Baum, Matthew A., and Philip BK Potter. 2008. "The relationships between mass media, public opinion, and foreign policy: Toward a theoretical synthesis." <i>Annual Review of Political Science</i> 11: 39–65.
Eighth week	10/24: Review Session 10/26: Mid-term
Ninth week	Military Alliances Morrow, James D. 1991. "Alliances and asymmetry: An alternative to the capability aggregation model of alliances." <i>American Journal of Political Science</i> 35(4): 904–933 Quan, Li, and Tatiana Vashchilko. 2010. "Dyadic military conflict, security alliances, and bilateral FDI flows." <i>Journal of International Business Studies</i> 41(5): 765–782.
Tenth week	Deterrence Huth, Paul. 1999. "Deterrence and international conflict: Empirical findings and theoretical debates." <i>Annual Review of Political Science</i> 2:25–48. Fuhrmann, Matthew and Todd S. Sechser. 2014. "Signaling alliance commitments: Hand-tying and sunk costs in extended nuclear deterrence." <i>American Journal of Political Science</i> 58(4): 919–935.
Eleventh week	Nuclear Weapons Jervis, Robert. 1989. <i>The Meaning of the Nuclear Revolution</i> . Ithaca, NY: Cornell University Press, Chapter 1 Sagan, S.D., 1996. "Why do states build nuclear weapons?: Three models in search of a bomb." <i>International Security</i> 21(3): 54–86.
Twelfth week	Economic Sanctions McLean, Elena and Taehee Whang. 2014. "Designing foreign policy: Voters, special interest groups, and economic sanctions." <i>Journal of Peace Research</i> 51(5): 589–602. Allen, Susan Hannah. 2008. "The domestic political costs of economic sanctions." <i>Journal of Conflict Resolution</i> 52(6): 916–944.
Thirteenth week	Aid and Inducements Nincic, Miroslav. 2006. "The logic of positive engagement: dealing with renegade regimes." <i>International Studies Perspectives</i> , 7(4): 321–341. Alesina, Alberto and David Dollar. 2000. "Who gives foreign aid to whom and why?" <i>Journal of economic growth</i> 5(1): 33–63.
Fourteenth week	International Institutions and Grand Strategy Abbott, Kenneth and Duncan Snidal. 1998. "Why states act through formal international organizations." <i>Journal of Conflict Resolution</i> 42(1): 3–32. Brands, Hal. 2014. <i>What good is grand strategy? Power and purpose in American statecraft from Harry S. Truman to George W. Bush</i> . Ithaca: Cornell University Press, Chapter 1

Fifteenth week	12/12: Review Session 12/14: Final-Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	KOREAN FOREIGN POLICIES	Course Number	CFC6107001
Major / School Year	Dept. of Political Science & Int'l Relations / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 이경석	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358344	A weekday / class /	[SN103:월(8B-9),수(7-8A)]
Office hours	Wednesday 13:00~15:00 or by appointment	lecture room	

[1] Outline / Purpose

This course offers a wide array of subjects in the domain of Korean foreign policies. In lieu of investigating South Korea's foreign policies in a chronological order, this course examines issue-based South Korea's foreign policies. This course covers South Korea's policies in terms of military and security, economy and finance, middle power diplomacy, and US-China hegemonic rivalry.

[2] Course Learning Outcomes

The purposes of the course are to understand theoretical backgrounds of South Korea's foreign policy and various subjects. This course aims to cultivate the critical thinking capability to analyze South Korea's foreign policy. By the end of the course, students will

- Understand crucial theories of foreign policy
- Understand the wide domains of South Korea's foreign policy
- Analyze past and contemporary South Korea's foreign policy issues
- Critically evaluate the debates of South Korea's foreign policy topics

[3] Class Delivery Method

This course class is basically lecture-based with discussion.

* This syllabus is subject to further change or revision, as needed, to best realize the educational goals of the course. Necessary revisions will be announced.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Your course grade will be based on the following items

- Midterm exam (25%)
- Final exam (35%)
- Response Paper (20%)
- Class Participation (10%)
- Class Attendance (10%)

- Midterm exam (25%): This exam will cover materials from Part I of the course.

- Final exam (35%): This exam will cover all of the materials from the course.

Both exams will include multiple choice, true-false questions, short and long answers. The exams cover the materials from the assigned readings and notes discussed in the class.

- Response paper (20%): Students can arbitrarily choose 10 articles from the reading lists (10*2=20). Students need to submit a one page response paper (single-spaced, 12-pt Times News Roman Font, and standard margins) before the class starts (hard-copy). The response paper should entail the following contents: research question, arguments, research design, and key findings.

- Class Participation (10%): I expect the students will share their thoughts and provide constructive feedback to their colleagues. I will record participation scores at the end of each class based on the following 4-point scale.

3: The student provided at least one constructive comment on the paper (topic) that was discussed during a given class period.

2: The student commented on between 50 and 99 percent of the paper (topic) that was discussed during a given class period.

1: The student participated but commented on fewer than 50 percent of the paper (topic) that was discussed during a given class period.

0: The student did not participate at all.

- Class Attendance (10%)

Late Work Policy

Late work will be penalized according to the following scheme.

- Within 24 hours after the assignment deadline: your maximum score will be 90%
- More than 24 hours late: your maximum score will be 50%

Late work will be excused only in the case of university-excused absences.

Re-Grading Policy

Students who want to appeal a grade on an exam or assignment must submit a written regrading request. This request must be turned in within five working days after the graded exams or assignments are returned to the class. The written statement must explain exactly why the student believes the current grade is incorrect. The entire assignment or exam will be regraded: your grade may increase or decrease as a result.

③ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction Introduction I – Class overview Introduction II – How to read political science papers
Second week	South Korea's Military and Security Policies: ROK-US Alliance 1 Hong, Yong-Pyo. 1999. State Security and Regime Security: President Syngman Rhee and the Insecurity Dilemma in South Korea 1953-60. Oxford: Macmillan Press, 1999. Chapter 2: Historical Setting: The Division of Korea, the Korean War, and the Evolution of Syngman Rhee's Anti-Communist Policy Chapter 3: The Ending of the Korean War and Syngman Rhee's Search for a US-ROK Mutual Defense Treaty, April-August 1953
Third week	South Korea's Military and Security Policies: ROK-US Alliance 2 Chun, Chae-Sung. 2000. "Theoretical Approaches to Alliance: Implications on the ROK-US Alliance." Journal of International and Area Studies 7(2): 71-88. Hayes, Peter, and Chung-in Moon. 2011. "Park Chung Hee, the CIA & the Bomb." Global Asia 6(3): 46-58.
Fourth week	South Korea's Military and Security Policies: Nuclear North Korea Council on Foreign Relations. North Korea's Military Capabilities. https://www.cfr.org/backgrounder/north-korea-nuclear-weapons-missile-tests-military-capabilities Council on Foreign Relations. 1985-2022 North Korean Nuclear Negotiations. https://www.cfr.org/timeline/north-korean-nuclear-negotiations Center for Strategic and International Studies. 25 Years of Negotiations and Provocations: North Korea and the United States https://beyondparallel.csis.org/25-years-of-negotiations-provocations/
Fifth week	South Korea's Military and Security Policies: Nuclear North Korea and Engagement Cha, Victor, and David Kang. 2018. Nuclear North Korea: A debate on engagement strategies. New York: Columbia University Press. Chapter 1: Introduction: The Debate over North Korea Moon, Chungin and Seungchan Boo. 2013. "President Kim Dae-jung and the Sunshine Policy – Recasting His Legacies for Peace and Prosperity–" Unification Studies 7(1): 121-163.
	South Korea's Military and Security Policies: Nuclear North Korea and Containment

Sixth week	(10/10) No Class– Hangul Proclamation Day Kim, Inhan. 2017. "No more sunshine: The limits of engagement with North Korea." The Washington Quarterly 40(4): 165–181. Cha, Victor, and David Kang. 2018. Nuclear North Korea: A debate on engagement strategies. New York: Columbia University Press. Chapter 3: Why we Must Pursue Hawk Engagement
Seventh week	South Korea's Military and Security Policies: Nuclear South Korea? Lind, Jennifer and Daryl Press. 2021. "Should South Korea Build its own Nuclear bomb?" Washington Post, October 7 Boot, Max, 2023. "Should South Korea go nuclear? Thats a decision for Seoul, Not Washington" Washington Post, April 24 Brewer, Eric, Toby Dalton and Kylie Jones. 2023. "Mind the Gaps: Reading South Korea's Emergent Proliferation Strategy." The Washington Quarterly, 46(2): 141–160,
Eighth week	10/23: Review Session 10/25: Mid–term Exam
Ninth week	South Korea's Foreign Policies toward Japan and China Cha, Victor. 1996. "Bridging the gap: The strategic context of the 1965 Korea–Japan normalization treaty." Korean Studies 20(1):123–160. Chung, Tae Dong. 1991. "Korea's Nordpolitik: Achievements & Prospects." Asian Perspective 15(2): 149–178.
Tenth week	South Korea's Economic and Financial Policies: Miracle on the Han River Stephan Haggard. 1990. Pathways from the Periphery: The Politics of Growth in the Newly Industrializing Countries. Ithaca and London: Cornell University Press, 1990. Chapter 3: Korea: From Import Substitution to Export–Led Growth Bruce Cumings. 1997. Korea's Place in the Sun. New York and London: W.W. Norton & Company. Chapter 6: Korean Sun Rising: Industrialization, 1953–1996
Eleventh week	South Korea's Economic and Financial Policies: Korean Financial Crisis Ha–Joon Chang, Hong–Jae Park and Chul Gyue Yoo. 1998. "Interpreting the Korean Crisis: Financial Liberalization, Industrial Policy and Corporate Governance," Cambridge Journal of Economics, 22: 735–746. Haggard, Stephan, and Jongryn Mo. 2000. "The political economy of the Korean financial crisis." Review of International Political Economy 7(2):197–218.
Twelfth week	South Korea's Middle Power Diplomacy Mo, Jongryn. 2016. "South Korea's middle power diplomacy: A case of growing compatibility between regional and global roles." International Journal, 71(4), pp.587–607. Lee, Sook–Jong. 2012. South Korea as new middle power seeking complex diplomacy. EAI Asia Security Initiative Working Paper, 25(3).
Thirteenth week	South Korea's Foreign Policy amid US–China Hegemonic Rivalry 1 Cha, Victor. 2020. "Allied decoupling in an era of USChina strategic competition." The Chinese Journal of International Politics 13(4): 509–536. Lim, Darren and Zack Cooper. 2015. "Reassessing hedging: The logic of alignment in East Asia." Security Studies 24(4): 696–727.
Fourteenth week	South Korea's Foreign Policy amid US–China Hegemonic Rivalry 2 Sohn, Yul. 2019. "South Korea under the United States China rivalry: dynamics of the economic–security nexus in trade policymaking." The Pacific Review 32(6): 1019–1040. Kyoung, Ha Chae. 2023. "South Korea's Value Diplomacy: In Search of a Global Pivotal Role." June 22 https://www.rusi.org/explore-our-research/publications/commentary/south-koreas-value-diplomacy-search-global-pivotal-role Lee, Jong–seok. 2023. "After all the song and dance, Yoon's values diplomacy puts Korea last." May 1 https://english.hani.co.kr/arti/english_edition/english_editorials/1090103.html
Fifteenth week	12/11: Review Session 12/13: Final Exam
Sixteenth week	

[7] Assignments

	assignment	submission date	

The first assignment	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
The third assignment	references			
	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	International organizations and international dispute settlement	Course Number	0010596001
Major / School Year	Dept. of Political Science & Int'l Relations / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Political Science & Int'l Relations / 이효원	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SN106:월(7-8A),목(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This is an advanced course for senior students in the department of political science and international studies. Students must have an understanding of theories of international relations. This class explores the role of international organizations in resolving global disputes. The main purpose of this class is to understand various types of transnational conflicts and find out how international organizations may resolve those conflicts. We attempt to answer the following questions: What is the role of international organizations? Can international organizations resolve international disputes? What are the limitations of international organizations?

[2] Course Learning Outcomes

This course will also explore practical examples to enhance understanding of the subject matter. In particular, the course provides an in-depth analysis of the World Trade Organization and its dispute settlement mechanism. Students will examine the legal frameworks and mechanisms employed by the WTO to settle disputes, including negotiation, mediation, arbitration, and adjudication.

[PART1] We first discuss the cause and effects of global disputes. [PART2] Then, we learn the efficacy of international organizations in resolving those disputes. The efficacy of international organizations is analyzed based on the theories of international relations. [PART3] Finally, we discuss the cases of trade disputes and resolution process under the World Trade Organization.

[3] Class Delivery Method

*The course is mainly based on seminar and students are expected to actively participation in the discussion.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Critiques 20%
Presentation 30%
Class Participation 30%
Attendance 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Margaret P. Karns et al.	Publisher	Rienner	Textbook	International Organizations: The Politics & Processes of Global Governance 3rd edition	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Understanding Global Disputes
Third week	Contending theories on the role of international organizations (1)
Fourth week	Contending theories on the role of international organizations (2)
Fifth week	The United Nations
Sixth week	Regional Organizations
Seventh week	NGOs
Eighth week	Midterm (Submit Critique)
Ninth week	Global IOs on Economy
Tenth week	The Role of WTO & DSM
Eleventh week	Trade Disputes
Twelfth week	Resolving Trade Disputes
Thirteenth week	WTO and Developing Countries
Fourteenth week	Global Governance in Post-COVID19 era
Fifteenth week	Final (Submit Critique)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL TRADE LAW	Course Number	KBB6035001
Major / School Year	Division of International Trade / 2	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 손기윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358528	A weekday / class /	[SO115:월(5B-6),수(5B-6)]
Office hours	3-4 pm on Monday & Wednesday, and by appointment	lecture room	

[1] Outline / Purpose

1. Overviews : We analyze a variety of WTO Agreements with relevant case studies.
2. Aim: We help students to understand the basic international trade regulations and to apply them to the ever-changing real world of international trade with confidence.

[2] Course Learning Outcomes

- o Understanding the international trade environment through numerous case studies.
- o Being able to apply the international trade polices and rules to the reality where you will encounter a wide variety of trade issues..
- o Improving the skill to express their views in a compelling manner.

[3] Class Delivery Method

- o Teaching and discussing the international trade laws
 - o Dispute case studies
 - o Team presentations
- * Teams will be formed after the registration is finalized.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	40 %	%	%	10 %	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
60 %	%	%	%	20 %	%	20 %	%

[4] Grading Policies

1. Class participation: 20% (class attendance & participation in discussions)
2. Two team presentations: 50% (Each carries 25%)
3. Final exam: 30%

Note: All of the above activities will be conducted in English.

① Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	World Trade Organization	Textbook	WTO Agreements	Issued year	2019
(2)	Author	Publisher	World Trade Organization	Textbook	WTO Dispute Settlement: One-Page Case Summaries 1995-2022	Issued year	2023
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Cambridge University Press	Textbook	Law and Policy of the World Trade Organization (5th edition)	Issued year	2022
(2)	Author	Publisher	MIT Press	Textbook	The Regulation of International Trade , Vol 1, 2 & 3	Issued year	2020
(3)	Author	Publisher	Edward Elgar	Textbook	Advance Introduction to International Trade Law	Issued year	2018
(4)	Author	Publisher	Pakyungsa	Textbook	New International Economic Law (in Korean)	Issued year	2022
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

Nowr: Textbooks could be available at a copy center.

[6] Weekly lesson plans

First week	WTO Agreements: Introduction – structure
Second week	1. Forming Presentation Teams 2. General Agreement on Tariffs and Trade (GATT) 1
Third week	GATT 2
Fourth week	Anti-Dumping Agreement 1
Fifth week	Anti-Dumping Agreement 2 Agreement on Subsidies and Countervailing Measures (ASCM) 1
Sixth week	<Online Lecture> Anti-Dumping Agreement 3 ASCM 2
Seventh week	Agreement on Safeguards
Eighth week	SPS Agreement
Ninth week	TBT Agreement
Tenth week	The 1st Team Presentation – WTO Case Study
Eleventh week	General Agreement on Trade in Services (GATS) 1
Twelfth week	GATS 2 TRIPS 1
Thirteenth week	The 2nd Team Presentation – WTO Case Study
Fourteenth week	TRIPS 2 New Trade Issues FTA
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	The 1st team presentation	submission date	2023-11-06 Mon
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	The 2nd team presentation	submission date	2023-11-27 Mon
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL TRADE LAW	Course Number	KBB6035002
Major / School Year	Division of International Trade / 2	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 손기윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358528	A weekday / class /	[SO114:월(8B-9),수(8B-9)]
Office hours	3-4 pm on Monday & Wednesday, and by appointment	lecture room	

[1] Outline / Purpose

1. Overviews : We analyze a variety of WTO Agreements with relevant case studies.
2. Aim: We help students to understand the basic international trade regulations and to apply them to the ever-changing real world of international trade with confidence.

[2] Course Learning Outcomes

- o Understanding the international trade environment through numerous case studies.
- o Being able to apply the international trade polices and rules to the reality where you will encounter a wide variety of trade issues..
- o Improving the skill to express their views in a compelling manner.

[3] Class Delivery Method

- o Teaching and discussing the international trade laws
 - o Dispute case studies
 - o Team presentations
- * Teams will be formed after the registration is finalized.

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	40 %	%	%	10 %	10 %	%	%

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
60 %	%	%	%	20 %	%	20 %	%

[4] Grading Policies

1. Class participation: 20% (class attendance & participation in discussions)
2. Two team presentations: 50% (Each carries 25%)
3. Final exam: 30%

Note: All of the above activities will be conducted in English.

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	World Trade Organization	Textbook	WTO Agreements	Issued year	2019
(2)	Author	Publisher	World Trade Organization	Textbook	WTO Dispute Settlement: One-Page Case Summaries 1995-2022	Issued year	2023
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Cambridge University Press	Textbook	Law and Policy of the World Trade Organization (5th edition)	Issued year	2022
(2)	Author	Publisher	MIT Press	Textbook	The Regulation of International Trade , Vol 1, 2 & 3	Issued year	2020
(3)	Author	Publisher	Edward Elgar	Textbook	Advance Introduction to International Trade Law	Issued year	2018
(4)	Author	Publisher	Pakyoungsa	Textbook	New International Economic Law (in Korean)	Issued year	2022
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

Nowr: Textbooks could be available at a copy center.

[6] Weekly lesson plans

First week	WTO Agreements: Introduction – structure
Second week	1. Forming Presentation Teams 2. General Agreement on Tariffs and Trade (GATT) 1
Third week	GATT 2
Fourth week	Anti-Dumping Agreement 1
Fifth week	Anti-Dumping Agreement 2 Agreement on Subsidies and Countervailing Measures (ASCM) 1
Sixth week	<Online Lecture> Anti-Dumping Agreement 3 ASCM 2
Seventh week	Agreement on Safeguards
Eighth week	SPS Agreement
Ninth week	TBT Agreement
Tenth week	The 1st Team Presentation – WTO Case Study
Eleventh week	General Agreement on Trade in Services (GATS) 1
Twelfth week	GATS 2 TRIPS 1
Thirteenth week	The 2nd Team Presentation – WTO Case Study
Fourteenth week	TRIPS 2 New Trade Issues FTA
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	The 1st team presentation	submission date	2023-11-06 Mon
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	The 2nd team presentation	submission date	2023-11-27 Mon
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Principles of Tourism	Course Number	0010470001
Major / School Year	Division of International Trade / 2	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 정진영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO209:월(4-5A),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides a basic understanding of tourism from the tourism system perspective. The topics include the conceptual and technical definitions of tourism and the economic, social-cultural, and environmental impacts of tourism on a destination.

[2] Course Learning Outcomes

Each student will be able to:

- 1) understand tourism definitions and a tourism system
- 2) understand the concept of destination and tourism impacts
- 3) understand business components of the tourism sector
- 4) understand tourism demand

[3] Class Delivery Method

Lecture(English); In-class discussion(English); Group project(English)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook	TBD	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

- Tourism: Principles and Practice, John Fletcher et al (2018)
- Essentials of Tourism, Chris Cooper (2021)
- Extra readings

[6] Weekly lesson plans

First week	Course overview (syllabus) Introduction to tourism – Tourism definitions
Second week	– Conceptual and operational frameworks
Third week	Tourist – Tourism demand
Fourth week	– Tourist behavior
Fifth week	Tourism destination – Destinations
Sixth week	– Economic impact – Environmental impact
Seventh week	– Socio-cultural impact
Eighth week	Mid-term
Ninth week	– Sustainable tourism
Tenth week	– Tourism development planning – Impact of negative events
Eleventh week	Tourism sector – Attractions
Twelfth week	– Accommodation – Events management
Thirteenth week	– Intermediaries – Transportation
Fourteenth week	– Public sector and policy
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Principles of Tourism	Course Number	0010470002
Major / School Year	Division of International Trade / 2	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 정진영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO209:월(7-8A),수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides a basic understanding of tourism from the tourism system perspective. The topics include the conceptual and technical definitions of tourism and the economic, social-cultural, and environmental impacts of tourism on a destination.

[2] Course Learning Outcomes

Each student will be able to:

- 1) understand tourism definitions and a tourism system
- 2) understand the concept of destination and tourism impacts
- 3) understand business components of the tourism sector
- 4) understand tourism demand

[3] Class Delivery Method

Lecture(English); In-class discussion(English); Group project(English)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook	TBD	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

- Tourism: Principles and Practice, John Fletcher et al (2018)
- Essentials of Tourism, Chris Cooper (2021)
- Extra readings

[6] Weekly lesson plans

First week	Course overview (syllabus) Introduction to tourism – Tourism definitions
Second week	– Conceptual and operational frameworks
Third week	Tourist – Tourism demand
Fourth week	– Tourist behavior
Fifth week	Tourism destination – Destinations
Sixth week	– Economic impact – Environmental impact
Seventh week	– Socio-cultural impact
Eighth week	Mid-term
Ninth week	– Sustainable tourism
Tenth week	– Tourism development planning – Impact of negative events
Eleventh week	Tourism sector – Attractions
Twelfth week	– Accommodation – Events management
Thirteenth week	– Intermediaries – Transportation
Fourteenth week	– Public sector and policy
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Understanding of Global markets in cultural content	Course Number	0010886001
Major / School Year	Division of International Trade / 3	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 박영은	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358539	A weekday / class /	[SO115:화(2B-3),수(2B-3)]
Office hours	By appointment	lecture room	

[1] Outline / Purpose

This course aims to examine the influence of the Korean Wave and the cultural content market in each region of the world based on an understanding of the cultural content (and furthermore, entertainment) industry, which is expanding further in the digital trade era. By understanding the characteristics of cultural content markets in various global regions, such as the Americas (North America, Latin America), Asia Pacific, Europe, the Middle East, and Africa, students taking this course will lay the foundation for establishing a global strategy for the Korean Wave. In addition, it aims to plan and directly produce content that can cover the global market.

[2] Course Learning Outcomes

This course is designed to provide students with those course learning outcomes:

1. Understanding the main characteristics of each global region.
2. Understanding each world region's major cultural content industries and content characteristics.
3. Practicing leadership, self-directed learning, and teamwork while applying various learner-led innovative teaching methods.
4. While understanding the diversity of global cultural content, directly producing K-content suitable for the worldwide market.
5. Developing strategic & critical thinking and creativity to create strategies for the globalization of the global Hallyu (Korean wave) and K-contents.

[3] Class Delivery Method

Lectures, Discussions, Video material learning, Team activities and presentations, Individual activities, etc.
(This will be a learner-led class.)

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Your grade is based upon the successful completion of the following course requirements.

1. Exam 60% = Middle 30% + Final 30%

* Mid-term and final exams will be replaced with individual video productions introducing the content. (Grading Rubrics will be provided later)

1-1) The mid-term exam is replaced by selecting one K-content that the student wants to introduce to the global market and making and submitting a 3-5 minute video introducing it.

1-2) For the final exam, students select one of their favorite cultural contents among five regions of the world (North America, Europe, Asia, Central, and South America, the Middle East, and Africa) and create and submit a 3-5 minute video introducing it.

2. Attendance 20%:

3. (Individual study journal and team mission only in class) Class participation 20%

(2 points for each class x 10 weeks = 20 points)

Detailed guidelines will be provided and explained in class.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	KOCCA22-38	Textbook	2022 Foreign Contents Market Analysis	Issued year
(2)	Author	Publisher	Communication Books	Textbook	Entertainment Business Strategy	Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	VIDEO TALK (Subject: Cultural Difference)
Third week	Basics of Global Hallyu and Entertainment Industry/ Basic concepts of the Global Market
Fourth week	A study on cultural content in the North American market (1)
Fifth week	A study on cultural content in the North American market (2): Content creation practice
Sixth week	A study on cultural content in the European market (1)
Seventh week	A study on cultural content in the European market (2): Content creation practice
Eighth week	Mid-Term Exam (30%, Video submission deadline 2023.10.25 midnight)
Ninth week	A study on cultural content in the Asian market (1)
Tenth week	A study on cultural content in the Asian market (2)
Eleventh week	A study on cultural content in the Asian market (3) : Content creation practice
Twelfth week	A study on cultural content in the Latin American market
Thirteenth week	A study on cultural content in the Middle East, Africa
Fourteenth week	Preparation & Feedback (Building14, Office # 318)
Fifteenth week	Final Exam 30%, Video submission deadline 2023.12.13 midnight)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
			submission	

The third assignment	assignment		date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	BUSINESS ENGLISH(1)	Course Number	KB02004001
Major / School Year	Division of International Trade / 3	completion division /Grade evaluation	/
Department/Professor	Division of International Trade /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01082158795	A weekday / class /	[SO115:목(7-8A)(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is to focus on enhancing the students' ability to perform international business good enough to achieve final business goal. The main subjects associated with international trade include trade process, negotiation, marketing, finance, contract, claims, and etc. As a result, the primary purpose of this course will be to provide a lot of examples of international business English application for the students trying to work under international business environment.

[2] Course Learning Outcomes

The main goals of this course include the followings: 1) strengthening the students' capability to use general business English, 2) improving the students' ability to succeed in international business performance in terms of negotiations, international marketing, business contracts, business claims, and many special business developments, 3) providing the students with many situations and cases needed for specific international business expressions in English.

[3] Class Delivery Method

The primary method in leading this class is oral lectures by professor. Additionally, the students are strongly requested in participating the class through the assigned presentation and discussion. Some other assignments may be available for improving the students' basic ability to perform international business in terms of communication skill. Every effort will be made to motivate the students to participate the class actively.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	10 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	0 %	0 %	0 %	0 %	40 %	40 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Cha Hyongseok(차형석)	Daracwon(다락원)	English for Business Communication: International Business	2022
(2)	전인우	무역경영사	Global Business English	2013
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Chapter 1. Understanding International Business
Second week	Chapter 2. Process of International Business Part 1, International Trade
Third week	Chapter 3 Business Letter including e-mail. Part 1. International Trade
Fourth week	Part 2. Performing International Trade Chapter 1. International Market survey
Fifth week	Chapter 3. Offering international business transaction Part 2. Chapter 2 Negotiation
Sixth week	Chapter 4. Offer and Order Part 2. Negotiation
Seventh week	Chapter 5. International Trade contract Part 3. Marketing
Eighth week	Mid-Term Exam
Ninth week	Part 2. Performing International Trade Chapter 2. Credit Survey
Tenth week	Chapter 3. Offering Business Part 3. Marketing
Eleventh week	Chapter 4. Offer and Order Part 4. Money and Finance
Twelfth week	Chapter 5 Trade contract Part 4. Money and Finance
Thirteenth week	Chapter 6. Letter of Credit Part 5. Special Business Mail
Fourteenth week	Chapter 7. Marine Transport, Insurance, and Shipping Documents Part 5. Special Business Letter
Fifteenth week	Chapter 8. Money transfer Chapter 9. Claims
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL TRADE LAW	Course Number	KBB6035003
Major / School Year	Division of International Trade(Evening) / 2	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 손기윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358528	A weekday / class /	[SO115:화(0A1)(0A2)(0A3)]
Office hours	3-4 pm on Mon & Wed, 9-9:30 pm on Tue, and by appointment	lecture room	

[1] Outline / Purpose

1. Overviews : We analyze a variety of WTO Agreements with relevant case studies.
2. Aim: We help students to understand the basic international trade regulations and to apply them to the ever-changing real world of international trade with confidence.

[2] Course Learning Outcomes

- o Understanding the international trade environment through numerous case studies.
- o Being able to apply the international trade polices and rules to the reality where you will encounter a wide variety of trade issues..
- o Improving the skill to express their views in a compelling manner.

[3] Class Delivery Method

- o Teaching and discussing the international trade laws
 - o Dispute case studies
 - o Team presentations
- * Teams will be formed after the registration is finalized.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	40 %	%	%	10 %	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
60 %	%	%	%	20 %	%	20 %	%

[4] Grading Policies

1. Class participation: 20% (class attendance & participation in discussions)
2. Two team presentations: 50% (Each carries 25%)
3. Final exam: 30%

Note: All of the above activities will be conducted in English.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	World Trade Organization	Textbook	WTO Agreements	Issued year	2019
(2)	Author	Publisher	World Trade Organization	Textbook	WTO Dispute Settlement: One-Page Case Summaries 1995-2022	Issued year	2023
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Cambridge University Press	Textbook	Law and Policy of the World Trade Organization (5th edition)	Issued year	2022
(2)	Author	Publisher	MIT Press	Textbook	The Regulation of International Trade , Vol 1, 2 & 3	Issued year	2020
(3)	Author	Publisher	Edward Elgar	Textbook	Advance Introduction to International Trade Law	Issued year	2018
(4)	Author	Publisher	Pakyoungsa	Textbook	New International Economic Law (in Korean)	Issued year	2022
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

Nowr: Textbooks could be available at a copy center.

[6] Weekly lesson plans

First week	WTO Agreements: Introduction – structure
Second week	1. Forming Presentation Teams 2. General Agreement on Tariffs and Trade (GATT) 1
Third week	GATT 2
Fourth week	Anti-Dumping Agreement 1
Fifth week	<Online Lecture> Anti-Dumping Agreement 2 Agreement on Subsidies and Countervailing Measures (ASCM) 1
Sixth week	Anti-Dumping Agreement 3 ASCM 2
Seventh week	Agreement on Safeguards
Eighth week	SPS Agreement
Ninth week	TBT Agreement
Tenth week	The 1st Team Presentation – WTO Case Study
Eleventh week	General Agreement on Trade in Services (GATS) 1
Twelfth week	GATS 2 TRIPS 1
Thirteenth week	The 2nd Team Presentation – WTO Case Study
Fourteenth week	TRIPS 2 New Trade Issues FTA
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	The 1st team presentation	submission date	2023-11-07 Tue
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	The 2nd team presentation	submission date	2023-11-28 Tue
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Understanding of Global markets in cultural content	Course Number	0010886002
Major / School Year	Division of International Trade(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Division of International Trade / 박영은	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358539	A weekday / class /	[SO115:수(0f1)(0f2)(0f3)]
Office hours	By appointment	lecture room	

[1] Outline / Purpose

This course aims to examine the influence of the Korean Wave and the cultural content market in each region of the world based on an understanding of the cultural content (and furthermore, entertainment) industry, which is expanding further in the digital trade era. By understanding the characteristics of cultural content markets in various global regions, such as the Americas (North America, Latin America), Asia Pacific, Europe, the Middle East, and Africa, students taking this course will lay the foundation for establishing a global strategy for the Korean Wave. In addition, it aims to plan and directly produce content that can cover the global market.

[2] Course Learning Outcomes

This course is designed to provide students with those course learning outcomes:

1. Understanding the main characteristics of each global region.
2. Understanding each world region's major cultural content industries and content characteristics.
3. Practicing leadership, self-directed learning, and teamwork while applying various learner-led innovative teaching methods.
4. While understanding the diversity of global cultural content, directly producing K-content suitable for the worldwide market.
5. Developing strategic & critical thinking and creativity to create strategies for the globalization of the global Hallyu (Korean wave) and K-contents.

[3] Class Delivery Method

Lectures, Discussions, Video material learning, Team activities and presentations, Individual activities, etc.
(This will be a learner-led class.)

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Your grade is based upon the successful completion of the following course requirements.

1. Exam 60% = Middle 30% + Final 30%

* Mid-term and final exams will be replaced with individual video productions introducing the content. (Grading Rubrics will be provided later)

1-1) The mid-term exam is replaced by selecting one K-content that the student wants to introduce to the global market and making and submitting a 3-5 minute video introducing it.

1-2) For the final exam, students select one of their favorite cultural contents among five regions of the world (North America, Europe, Asia, Central, and South America, the Middle East, and Africa) and create and submit a 3-5 minute video introducing it.

2. Attendance 20%:

3. (Individual study journal and team mission only in class) Class participation 20%

(2 points for each class x 10 weeks = 20 points)

Detailed guidelines will be provided and explained in class.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	KOCCA22-38	Textbook	2022 Foreign Contents Market Analysis	Issued year
(2)	Author	Publisher	Communication Books	Textbook	Entertainment Business Strategy	Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	VIDEO TALK (Subject: Cultural Difference)
Third week	Basics of Global Hallyu and Entertainment Industry/ Basic concepts of the Global Market
Fourth week	A study on cultural content in the North American market (1)
Fifth week	A study on cultural content in the North American market (2): Content creation practice
Sixth week	A study on cultural content in the European market (1)
Seventh week	A study on cultural content in the European market (2): Content creation practice
Eighth week	Mid-Term Exam (30%, Video submission deadline 2023.10.25 midnight)
Ninth week	A study on cultural content in the Asian market (1)
Tenth week	A study on cultural content in the Asian market (2)
Eleventh week	A study on cultural content in the Asian market (3) : Content creation practice
Twelfth week	A study on cultural content in the Latin American market
Thirteenth week	A study on cultural content in the Middle East, Africa
Fourteenth week	Preparation & Feedback (Building14, Office # 318)
Fifteenth week	Final Exam 30%, Video submission deadline 2023.12.13 midnight)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
			submission	

The third assignment	assignment		date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	BUSINESS ENGLISH(1)	Course Number	KB02004004
Major / School Year	Division of International Trade(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Division of International Trade /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	01082158795	A weekday / class /	[SO309:목(0+1)(0+2)(0+3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is to focus on enhancing the students' ability to perform international business good enough to achieve final business goal. The main subjects associated with international trade include trade process, negotiation, marketing, finance, contract, claims, and etc. As a result, the primary purpose of this course will be to provide a lot of examples of international business English application for the students trying to work under international business environment.

[2] Course Learning Outcomes

The main goals of this course include the followings: 1) strengthening the students' capability to use general business English, 2) improving the students' ability to succeed in international business performance in terms of negotiations, international marketing, business contracts, business claims, and many special business developments, 3) providing the students with many situations and cases needed for specific international business expressions in English.

[3] Class Delivery Method

The primary method in leading this class is oral lectures by professor. Additionally, the students are strongly requested in participating the class through the assigned presentation and discussion. Some other assignments may be available for improving the students' basic ability to perform international business in terms of communication skill. Every effort will be made to motivate the students to participate the class actively.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	10 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	0 %	0 %	0 %	0 %	40 %	40 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Cha Hyongseok(차형석)	Daracwon(다락원)	English for Business Communication: International Business	2022
(2)	전인우	무역경영사	Global Business English	2013
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Chapter 1. Understanding International Business
Second week	Chapter 2. Process of International Business Part 1, International Trade
Third week	Chapter 3 Business Letter including e-mail. Part 1. International Trade
Fourth week	Part 2. Performing International Trade Chapter 1. International Market survey
Fifth week	Chapter 3. Offering international business transaction Part 2. Chapter 2 Negotiation
Sixth week	Chapter 4. Offer and Order Part 2. Negotiation
Seventh week	Chapter 5. International Trade contract Part 3. Marketing
Eighth week	Mid-Term Exam
Ninth week	Part 2. Performing International Trade Chapter 2. Credit Survey
Tenth week	Chapter 3. Offering Business Part 3. Marketing
Eleventh week	Chapter 4. Offer and Order Part 4. Money and Finance
Twelfth week	Chapter 5 Trade contract Part 4. Money and Finance
Thirteenth week	Chapter 6. Letter of Credit Part 5. Special Business Mail
Fourteenth week	Chapter 7. Marine Transport, Insurance, and Shipping Documents Part 5. Special Business Letter
Fifteenth week	Chapter 8. Money transfer Chapter 9. Claims
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Dynamics		Course Number	0001844002		
Major / School Year	Dept. of Mechanical Engineering	/ 2	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 김영진	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI272:화(5)(6),금(4)]		
Office hours			lecture room			

[1] Outline / Purpose

This course covers the fundamentals of dynamics, including kinematics and kinetics of particles, Newton's laws, energy and momentum methods, system of particles, and kinematics and kinetics of planar motions of 2D and 3D rigid bodies.

[2] Course Learning Outcomes

This course covers the fundamentals of dynamics, including kinematics and kinetics of particles, Newton's laws, energy and momentum methods, system of particles, and kinematics and kinetics of planar motions of 2D and 3D rigid bodies.

[3] Class Delivery Method

The course materials (take home quiz) will be provided using e-streaming. You should watch the those video clips before you attend the off-line classes. During the off-line lecture, you will solve problems for less than one hour.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm Presentation: 40%

Final Exam: 40%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Engineering Mechanics Dynamics 5/e SI Units , Prentice Hall Anthony Bedford, Wallace Fowler	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook		Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Chap.12: Introduction
Third week	Chap.13: Motion of a Point (1/2)
Fourth week	Chap.13: Motion of a Point (2/2)
Fifth week	Chap.14: Force, Mass, and Acceleration
Sixth week	Chap.15: Energy Methods (1/2)
Seventh week	Chap.15: Energy Methods (2/2)
Eighth week	Chap.16: Momentum Methods
Ninth week	Midterm Presentation
Tenth week	Chap.17: Planar Kinematics of Rigid Bodies (1/2)
Eleventh week	Chap.17: Planar Kinematics of Rigid Bodies (2/2)
Twelfth week	Chap.18: Planar Dynamics of Rigid Bodies (1/2)
Thirteenth week	Chap.18: Planar Dynamics of Rigid Bodies (2/2)
Fourteenth week	Chap.19: Energy and Momentum in Rigid-Body Dynamics (1/2)
Fifteenth week	Chap.19: Energy and Momentum in Rigid-Body Dynamics (2/2)
Sixteenth week	And final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Dynamics		Course Number	0001844003		
Major / School Year	Dept. of Mechanical Engineering	/ 2	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 김영진	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI272:화(7)(8),금(5)]		
Office hours			lecture room			

[1] Outline / Purpose

This course covers the fundamentals of dynamics, including kinematics and kinetics of particles, Newton's laws, energy and momentum methods, system of particles, and kinematics and kinetics of planar motions of 2D and 3D rigid bodies.

[2] Course Learning Outcomes

This course covers the fundamentals of dynamics, including kinematics and kinetics of particles, Newton's laws, energy and momentum methods, system of particles, and kinematics and kinetics of planar motions of 2D and 3D rigid bodies.

[3] Class Delivery Method

The course materials (take home quiz) will be provided using e-streaming. You should watch the those video clips before you attend the off-line classes. During the off-line lecture, you will solve problems for less than one hour.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm Presentation: 40%

Final Exam: 40%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Engineering Mechanics Dynamics 5/e SI Units , Prentice Hall Anthony Bedford, Wallace Fowler	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook		Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Chap.12: Introduction
Third week	Chap.13: Motion of a Point (1/2)
Fourth week	Chap.13: Motion of a Point (2/2)
Fifth week	Chap.14: Force, Mass, and Acceleration
Sixth week	Chap.15: Energy Methods (1/2)
Seventh week	Chap.15: Energy Methods (2/2)
Eighth week	Chap.16: Momentum Methods
Ninth week	Midterm Presentation
Tenth week	Chap.17: Planar Kinematics of Rigid Bodies (1/2)
Eleventh week	Chap.17: Planar Kinematics of Rigid Bodies (2/2)
Twelfth week	Chap.18: Planar Dynamics of Rigid Bodies (1/2)
Thirteenth week	Chap.18: Planar Dynamics of Rigid Bodies (2/2)
Fourteenth week	Chap.19: Energy and Momentum in Rigid-Body Dynamics (1/2)
Fifteenth week	Chap.19: Energy and Momentum in Rigid-Body Dynamics (2/2)
Sixteenth week	And final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MANUFACTURING PROCESSES	Course Number	EA06021001
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 이태선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2102:화(2)(3),금(2)]
Office hours		lecture room	

[1] Outline / Purpose

From this course the students will learn the characteristics and design element of each manufacturing process. The students will also be able to compare and select the proper processing technologies for given mechanical challenges.

[2] Course Learning Outcomes

Understanding the fundamentals of processes, materials and parameters for optimized manufacturing.

[3] Class Delivery Method

Lectures will be provided in classroom or in the form of recorded lectures.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kalpakjian	Publisher	성진미디어	Textbook	Manufacturing Processes for Engineering Materials	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Kalpakjian	Publisher		Textbook	Manufacturing Engineering and Technology	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Fundamentals of Manufacturing
Third week	Materials
Fourth week	Things to consider for manufacturing
Fifth week	Surface, Tribology, Inspection
Sixth week	Casting
Seventh week	Bulk Forming
Eighth week	Midterm Exam
Ninth week	Sheet Forming
Tenth week	Cutting (Machining)
Eleventh week	Abrasive Machining and Finishing
Twelfth week	Processing of Polymers and Composites
Thirteenth week	Joining
Fourteenth week	Automation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Control Engineering	Course Number	0003413001
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 송병근	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358405	A weekday / class /	[SI482:수(2)(3),금(5)]
Office hours		lecture room	

[1] Outline / Purpose

제어공학은 현대의 모든 공학분야 즉 기계공학, 항공공학, 전기공학, 화학공학 등에 동일하게 적용되는 학문이다. 즉 제어대상이 기계적이거나 전기분야, 화학분야 또는 이들 분야들이 복합적으로 이루어진 시스템이 될 수 있다. 이러한 제어대상을 제어하기 위해서는 우선 수학적으로 모델링을 하여야 한다. 수학적 모델링 이후에는 제어기 설계를 하게 되는데, 이때부터는 기계, 전기, 화학분야에 관계없이 똑 같은 제어이론을 적용하게 된다. 본 수업에서는 여러 공학 분야의 기본적인 시스템의 수학적 모델링 방법을 익히고, 최신 제어이론을 학습하여 원하는 퍼포먼스를 보장하는 제어기를 설계할 수 있도록 하는 것이 목적이다.

[2] Course Learning Outcomes

기계 및 전기적인 시스템의 제어를 위한 수학적 모델링 방법을 익히고, 이 수학적 모델에 적용할 수 있는 다양한 최신 제어이론을 배우고 적용하여 안정적이고, 원하는 퍼포먼스를 낼 수 있는 제어기를 설계할 수 있도록 한다. 본 수업에서 다루는 주 타픽은 다음과 같다.

1. 수학적 모델링
2. 상태변수 모델 해석
3. Feedback 시스템 특성과 성능
4. Feedback 시스템의 안정성
5. Root Locus 방법
6. 주파수 응답 기법
7. 주파수 영역에서의 안정성
8. Feedback 시스템의 설계
9. 상태변수 Feedback 시스템의 설계

[3] Class Delivery Method

- ppt 자료를 사용한 이론 강의
- 교재 연습문제 풀이
- 교재 연습문제 레포트 (과제 부과)
- 제어기 설계 프로젝트 (전산프로그램을 이용한 제어기 설계문제 부과)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	%	10 %	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	%	%	10 %	%	70 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson	Textbook	Modern Control Systems, 13th edition	Issued year	2017
(2)	Author	Publisher	Pearson	Textbook	Modern Control Engineering, 5th edition	Issued year	2010
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Wiley	Textbook	Automatic Control Systems, 9th edition	Issued year	2010
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	제어시스템 서론 - 자동제어 정의 - 제어시스템의 예 - 공학적 설계 - 제어시스템 설계 - 메카트로닉스 시스템 - 설계 예제
Second week	시스템의 수학적 모델 - 물리시스템의 미분방정식 - 선형 근사화 - Laplace 변환 - 선형시스템의 전달함수 - 블록선도 모델 - 설계예제 - 시스템 시뮬레이션 - 순차적 설계예제
Third week	상태 변수 모델 - 동작 시스템의 상태변수 - 상태 미분방정식 - 블록선도 모델 - 상태방정식으로부터 전달함수 - 시간응답과 상태전이 행렬
Fourth week	- 설계예제 - 제어설계 S/W를 이용한 상태변수 모델 해석 - 순차적설계 예제
Fifth week	Feedback 제어 시스템의 특성 - 오차 신호 해석 - 매개 변수 변화에 대한 제어시스템의 감도 - 과도 응답 제어 - 정상 상태 오차
Sixth week	- 설계 예제 - 제어 설계 s/w를 이용한 제어시스템 특성 - 순차적 설계 예제
Seventh week	폐환 시스템의 성능 - 2차 시스템의 성능 - s평면 근의 위치와 과도응답 - 폐환제어시스템의 정상상태 오차 - 성능지수 - 선형시스템의 간략화
Eighth week	중간 고사
Ninth week	- 설계 예제 - 제어 설계 소프트웨어를 이용한 시스템 성능 - 순차적 설계예제
Tenth week	선형 폐환시스템의 안정성 - Routh Hurwitz 안정성 판별법 - 폐환제어시스템의 상대안정성 - 상태변수 시스템의 안정성 - 설계 예제
Eleventh week	근궤적 기법 - 근궤적 개념 및 절차 - 근궤적 기법에 의한 매개변수 설계 - 감도와 근궤적 - PID 제어기 - 설계예제
Twelfth week	주파수응답 기법 - 주파수응답 선도 - 주파수 영역의 성능규격 - 대수 크기- 위상선도 - 설계예제
Thirteenth week	주파수영역에서의 안정성 - s평면에서의 칸투어 사상 - Nyquist 판별법 - 주파수영역에서 규정된 시간영역 성능판별 - 설계예제
Fourteenth week	폐환제어시스템의 설계 - 직렬보상회로 - Bode선도를 이용한 설계 - 근궤적을 이용한 설계 - 적분회로를 이용한 시스템 설계 - 전치필터를 갖는 시스템 - 진동없이 빠른 응답설계

	- 설계예제
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Control Engineering	Course Number	0003413002
Major / School Year	Dept. of Mechanical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 송병근	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358405	A weekday / class /	[SI482:수(1),금(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

제어공학은 현대의 모든 공학분야 즉 기계공학, 항공공학, 전기공학, 화학공학 등에 동일하게 적용되는 학문이다. 즉 제어대상이 기계적이거나 전기분야, 화학분야 또는 이들 분야들이 복합적으로 이루어진 시스템이 될 수 있다. 이러한 제어대상을 제어하기 위해서는 우선 수학적으로 모델링을 하여야 한다. 수학적 모델링 이후에는 제어기 설계를 하게 되는데, 이때부터는 기계, 전기, 화학분야에 관계없이 똑 같은 제어이론을 적용하게 된다. 본 수업에서는 여러 공학 분야의 기본적인 시스템의 수학적 모델링 방법을 익히고, 최신 제어이론을 학습하여 원하는 퍼포먼스를 보장하는 제어기를 설계할 수 있도록 하는 것이 목적이다.

[2] Course Learning Outcomes

기계 및 전기적인 시스템의 제어를 위한 수학적 모델링 방법을 익히고, 이 수학적 모델에 적용할 수 있는 다양한 최신 제어이론을 배우고 적용하여 안정적이고, 원하는 퍼포먼스를 낼 수 있는 제어기를 설계할 수 있도록 한다. 본 수업에서 다루는 주 타픽은 다음과 같다.

1. 수학적 모델링
2. 상태변수 모델 해석
3. Feedback 시스템 특성과 성능
4. Feedback 시스템의 안정성
5. Root Locus 방법
6. 주파수 응답 기법
7. 주파수 영역에서의 안정성
8. Feedback 시스템의 설계
9. 상태변수 Feedback 시스템의 설계

[3] Class Delivery Method

- ppt 자료를 사용한 이론 강의
- 교재 연습문제 풀이
- 교재 연습문제 레포트 (과제 부과)
- 제어기 설계 프로젝트 (전산프로그램을 이용한 제어기 설계문제 부과)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	%	%	10 %	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	%	%	10 %	%	70 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson	Textbook	Modern Control Systems, 13th edition	Issued year	2017
(2)	Author	Publisher	Pearson	Textbook	Modern Control Engineering, 5th edition	Issued year	2010
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Wiley	Textbook	Automatic Control Systems, 9th edition	Issued year	2010
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	제어시스템 서론 - 자동제어 정의 - 제어시스템의 예 - 공학적 설계 - 제어시스템 설계 - 메카트로닉스 시스템 - 설계 예제
Second week	시스템의 수학적 모델 - 물리시스템의 미분방정식 - 선형 근사화 - Laplace 변환 - 선형시스템의 전달함수 - 블록선도 모델 - 설계예제 - 시스템 시뮬레이션 - 순차적 설계예제
Third week	상태 변수 모델 - 동작 시스템의 상태변수 - 상태 미분방정식 - 블록선도 모델 - 상태방정식으로부터 전달함수 - 시간응답과 상태전이 행렬
Fourth week	- 설계예제 - 제어설계 S/W를 이용한 상태변수 모델 해석 - 순차적설계 예제
Fifth week	Feedback 제어 시스템의 특성 - 오차 신호 해석 - 매개 변수 변화에 대한 제어시스템의 감도 - 과도 응답 제어 - 정상 상태 오차
Sixth week	- 설계 예제 - 제어 설계 s/w를 이용한 제어시스템 특성 - 순차적 설계 예제
Seventh week	폐환 시스템의 성능 - 2차 시스템의 성능 - s평면 근의 위치와 과도응답 - 폐환제어시스템의 정상상태 오차 - 성능지수 - 선형시스템의 간략화
Eighth week	중간 고사
Ninth week	- 설계 예제 - 제어 설계 소프트웨어를 이용한 시스템 성능 - 순차적 설계예제
Tenth week	선형 폐환시스템의 안정성 - Routh Hurwitz 안정성 판별법 - 폐환제어시스템의 상대안정성 - 상태변수 시스템의 안정성 - 설계 예제
Eleventh week	근궤적 기법 - 근궤적 개념 및 절차 - 근궤적 기법에 의한 매개변수 설계 - 감도와 근궤적 - PID 제어기 - 설계예제
Twelfth week	주파수응답 기법 - 주파수응답 선도 - 주파수 영역의 성능규격 - 대수 크기- 위상선도 - 설계예제
Thirteenth week	주파수영역에서의 안정성 - s평면에서의 칸투어 사상 - Nyquist 판별법 - 주파수영역에서 규정된 시간영역 성능판별 - 설계예제
Fourteenth week	폐환제어시스템의 설계 - 직렬보상회로 - Bode선도를 이용한 설계 - 근궤적을 이용한 설계 - 적분회로를 이용한 시스템 설계 - 전치필터를 갖는 시스템 - 진동없이 빠른 응답설계

	- 설계예제
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666001
Major / School Year	Dept. of Mechanical Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김경태	Grades/Lecture/Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI386:화(2)(3),금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤디자인은 그 동안의 배운 공학 지식을 응용하여 제품이나 기계 혹은 시스템 제작 및 생산을 영두에 두고 설계하는 과정을 경험하는 강의로 합니다.

더불어 본 강의는 LINC3.0 기업연계형 캡스톤디자인 (맞울림 캡스톤디자인) 교과목입니다.

실제적 기업의 문제에 접근하기 위하여 인천대 주변 기업인 지오테크놀로지 기업 이 진행중인 디스펜서 개발의 애로점을 공유 받아 전공지식을 활용하여 개선방안을 도출하는 프로젝트를 수행하려고 합니다.

[2] Course Learning Outcomes

기업 프로젝트의 애로 사항의 해결의 통해 실제적인 공학 문제의 해결 방안을 도출하는 능력을 배양하고, 이 과정을 통해서 재료, 공정 등을 고려한 종합 설계 및 제작 과정을 경험하는 것이 수업의 목표 입니다.

[3] Class Delivery Method

본 강의는 실제 산업체와 연계하여 산업체 애로 기술을 강의 주제로 합니다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	20 %	0 %	60 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	20 %	0 %	0 %	0 %	0 %	60 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	강의소개 및 조편성
Second week	캡스톤설계를 위한 이론 강의
Third week	캡스톤설계의 활용에 대한 강의
Fourth week	캡스톤설계 진행계획 발표
Fifth week	캡스톤설계 개발과정 점검
Sixth week	캡스톤설계 개발과정 점검
Seventh week	캡스톤설계 개발과정 점검
Eighth week	캡스톤설계 개발과정 점검
Ninth week	캡스톤설계 개발과정 점검
Tenth week	캡스톤설계 개발과정 점검
Eleventh week	캡스톤설계 개발과정 점검
Twelfth week	캡스톤설계 개발과정 점검
Thirteenth week	캡스톤설계 개발과정 점검
Fourteenth week	캡스톤설계 개발과정 점검
Fifteenth week	캡스톤설계 최종 발표회
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666006
Major / School Year	Dept. of Mechanical Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 박형범	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SJ226:화(2)(3),금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 기계공학도로서 배운 지식을 총 활용하여 의미 있는 문제의 정립, 해결 방법의 구축, 문제의 해결의 과정을 실습해보는 것을 목적으로 한다. 조별 활동으로 프로젝트의 전 과정을 학생 주도적으로 수행하며, 이를 통해 설계, 제작, 생산 등의 경험과 문제 해결 능력을 함양할 수 있다.

[2] Course Learning Outcomes

본 수업을 수강하는 학생들은 문제 해결을 위한 아이디어 도출, 제품의 제작 및 설계 등 과정을 직접 경험하여 실질적인 문제를 해결하는 능력을 키울 수 있다.

[3] Class Delivery Method

본 수업은 강의, 토론, 발표, 실습의 전 과정으로 진행되며, 자율적으로 진행된다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	45 %	0 %	45 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	100 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	강의 소개 및 조 편성
Second week	주제 탐색을 위한 아이디어 회의
Third week	주제 탐색을 위한 아이디어 회의
Fourth week	주제 탐색을 위한 아이디어 회의
Fifth week	주제 확정 및 방법론 검토
Sixth week	캡스톤 설계 수행 및 주차 점검
Seventh week	캡스톤 설계 수행 및 주차 점검
Eighth week	중간 발표
Ninth week	캡스톤 설계 수행 및 주차 점검
Tenth week	캡스톤 설계 수행 및 주차 점검
Eleventh week	캡스톤 설계 수행 및 주차 점검
Twelfth week	캡스톤 설계 수행 및 주차 점검
Thirteenth week	캡스톤 설계 수행 및 주차 점검
Fourteenth week	기말 발표
Fifteenth week	캡스톤 설계 최종 발표회
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666005
Major / School Year	Dept. of Mechanical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김형근	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI101:화(2)(3)] [SI385:금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

In this class, students perform design, manufacture, and evaluation of products with practical values based on the engineering knowledge acquired in the undergraduate courses. This provides opportunities to experience the actual implementation process of engineering ideas and improve teamwork skills.

[2] Course Learning Outcomes

- (1) The experience in the practical application of major engineering knowledge
- (2) Cultivation of communication skills through meetings and making products with colleagues
- (3) Fostering an engineering mind through the making of products that pursue practical values

[3] Class Delivery Method

- Team meeting and feedback
- Depending on the COVID-19 situation, it is possible to switch to offline classes
- Notice in advance for offline classes

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	40 %	0 %	50 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation and organization of groups
Second week	Lecture about theories
Third week	Presentation of progress plan
Fourth week	Meeting of development idea
Fifth week	Meeting of development idea
Sixth week	Discussion of the development process
Seventh week	Discussion of the development process
Eighth week	Interim announcement
Ninth week	Discussion of the development process
Tenth week	Discussion of the development process
Eleventh week	Discussion of the development process
Twelfth week	Discussion of the development process
Thirteenth week	Discussion of the development process
Fourteenth week	Final discussion of the development process
Fifteenth week	Final presentation for Capstone design
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666004
Major / School Year	Dept. of Mechanical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 장한뜻	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI268:화(2)(3)] [SI502:금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤디자인은 그 동안의 배운 기계 공학 지식을 응용하여 제품 생산을 염두에 두고 설계하는 과정을 경험하는 수업이다. 제품을 개발하기 위해서는 이론을 통한 개념 정립부터 시작하여, 기초 설계, 가공, 생산, 테스트 과정을 수행해야 한다.

[2] Course Learning Outcomes

기본적인 기계공학 지식에 기반하여 시제품을 제작하고 이를 스스로 평가해본다.
팀 프로젝트를 통해 팀원들과 의사 소통하는 기술을 배운다.

[3] Class Delivery Method

강의, 토론, 발표, 실습

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	30 %	10 %	40 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	강의 소개 및 조편성
Second week	캡스톤 설계를 위한 이론 강의
Third week	캡스톤 설계를 위한 이론 강의
Fourth week	캡스톤 진행계획 발표
Fifth week	캡스톤 설계 개발 과정 점검 및 토론
Sixth week	캡스톤 설계 개발 과정 점검 및 토론
Seventh week	캡스톤 설계 개발 과정 점검 및 토론
Eighth week	캡스톤 설계 중간 발표회
Ninth week	캡스톤 설계 개발 과정 점검 및 토론
Tenth week	캡스톤 설계 개발 과정 점검 및 토론
Eleventh week	캡스톤 설계 개발 과정 점검 및 토론
Twelfth week	캡스톤 설계 개발 과정 점검 및 토론
Thirteenth week	캡스톤 설계 개발 과정 점검 및 토론
Fourteenth week	캡스톤 설계 개발 과정 점검 및 토론
Fifteenth week	캡스톤 설계 개발 과정 점검 및 토론
Sixteenth week	캡스톤 설계 최종 발표회

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666003
Major / School Year	Dept. of Mechanical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI272:화(2)(3),금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤 디자인을 통해 제품 설계/개발 과정을 경험함

[2] Course Learning Outcomes

창의적 아이디어 설계 및 구현 능력을 배양함

[3] Class Delivery Method

이론: 화요일 오전 10시-12시 (8호관 272호)

실습: 금요일 오전 9-11시 (8호관 272호 및 공작실습실)

9/5(화) 오전 10시

* 필수 참석 / OT 미참석자는 무작위로 팀 배정

9/29(금), 10/3(화) 휴강: 해당 주차에 보강 실시

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	20 %	0 %	60 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	20 %	0 %	0 %	0 %	0 %	80 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	OT, 조 배정, 제품 설계
Second week	제품 설계, 주간발표
Third week	제품 설계, 주간발표
Fourth week	제품 설계, 주간발표
Fifth week	제품 설계, 주간발표
Sixth week	제품 설계, 주간발표
Seventh week	제품 설계, 주간발표
Eighth week	중간발표
Ninth week	제품 제작, 주간발표
Tenth week	제품 제작, 주간발표
Eleventh week	제품 제작, 주간발표
Twelfth week	제품 제작, 주간발표
Thirteenth week	제품 제작, 주간발표
Fourteenth week	기말발표
Fifteenth week	컨테스트
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666002
Major / School Year	Dept. of Mechanical Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김영진	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI482:화(2)(3),금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

In this course, we will develop human robot interface (see the movie called "Avatar")

[2] Course Learning Outcomes

You can develop human robot interface (see the movie called "Avatar") and the robot arm
You will control the robot arm with your own interface.

[3] Class Delivery Method

Presentation
PPT slides.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm and final presentation

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Group meeting
Second week	Group meeting
Third week	Group meeting
Fourth week	Group meeting
Fifth week	Group meeting
Sixth week	Group meeting
Seventh week	Group meeting
Eighth week	Group meeting
Ninth week	Group meeting
Tenth week	Group meeting
Eleventh week	Group meeting
Twelfth week	Group meeting
Thirteenth week	Group meeting
Fourteenth week	Group meeting
Fifteenth week	Group meeting
Sixteenth week	Group meeting

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Heat Transfer		Course Number	0001853001		
Major / School Year	Dept. of Mechanical Engineering	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 안호선	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class / lecture room	[SI272:월(5)(6),수(9)]		
Office hours						

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	SIGNAL PROCESSING		Course Number	EC06139001		
Major / School Year	Dept. of Mechanical Engineering	/ 4	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 김경태	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI515:화(5),목(5)(6)]		
Office hours			lecture room			

[1] Outline / Purpose

This course provides a solid theoretical foundation for the analysis and processing of experimental data, and real-time experimental control methods. Topics covered include spectral analysis, filter design, system identification, and simulation in continuous and discrete-time domains. The emphasis is on practical problems with laboratory exercises.

[2] Course Learning Outcomes

Understanding a solid theoretical foundation for the analysis and processing of experimental data, and real-time experimental control methods

[3] Class Delivery Method

theory lecture, video lecture

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	15 %	%	%	15 %	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	%	%	%	20 %	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	장영범	Publisher	생능출판	Textbook	신호 및 시스템	Issued year	2010 0815
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	강철홍, 유지상, 박호중	Publisher	생능출판	Textbook	신호 및 시스템	Issued year	2002 0810
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Continuous-time signal 1/2
Second week	Continuous-time signal 2/2
Third week	Continuous-time system 1/2
Fourth week	Continuous-time system 2/2
Fifth week	Spectrum of Continuous-time signal 1/2
Sixth week	Spectrum of Continuous-time signal 2/2
Seventh week	Laplace transform 1/2
Eighth week	midterm exam.
Ninth week	Laplace transform 2/2
Tenth week	Digital signal 1/2
Eleventh week	Digital signal 2/2
Twelfth week	Spectrum of digital signal 1/2
Thirteenth week	Spectrum of digital signal 2/2
Fourteenth week	Z transform 1/2
Fifteenth week	Z transform 2/2
Sixteenth week	Final exam.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Energy Conversion Engineering	Course Number	0001867001
Major / School Year	Dept. of Mechanical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI272:월(2B-3)] [SI482:화(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course aims to understand the scientific principles related to various energy sources and possible future energy production methods.

[2] Course Learning Outcomes

This course covers our present and future energy needs, options for continued use of fossil fuels, and options for establishing an alternative energy economy.

[3] Class Delivery Method

Lecture, presentation, and exam.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	80 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Energy basics
Second week	Fossil fuels
Third week	Fossil fuels Nuclear basics
Fourth week	Nuclear basics Nuclear fission
Fifth week	Nuclear fission
Sixth week	Nuclear fission
Seventh week	Nuclear fusion
Eighth week	Midterm exam
Ninth week	Wind energy Hydroelectric energy
Tenth week	Solar energy
Eleventh week	Solar energy
Twelfth week	Tidal energy Geothermal energy
Thirteenth week	Fuel cell
Fourteenth week	Battery Electric Vehicles
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MANUFACTURING PROCESSES	Course Number	EA06021002
Major / School Year	Dept. of Mechanical Engineering(Evening) / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 이태선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI386:월(04),화(04)(045)]
Office hours		lecture room	

[1] Outline / Purpose

From this course the students will learn the characteristics and design element of each manufacturing process. The students will also be able to compare and select the proper processing technologies for given mechanical challenges.

[2] Course Learning Outcomes

Understanding the fundamentals of processes, materials and parameters for optimized manufacturing.

[3] Class Delivery Method

Lectures will be provided in class. The students will also be required to watch videos of manufacturing processes for part of their attendance.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kalpakjian	Publisher	성진미디어	Textbook	Manufacturing Processes for Engineering Materials	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Kalpakjian	Publisher		Textbook	Manufacturing Engineering and Technology	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Fundamentals of Manufacturing
Third week	Materials
Fourth week	Things to consider for manufacturing
Fifth week	Surface, Tribology, Inspection
Sixth week	Casting
Seventh week	Bulk Forming
Eighth week	Midterm Exam
Ninth week	Sheet Forming
Tenth week	Cutting (Machining)
Eleventh week	Abrasive Machining and Finishing
Twelfth week	Processing of Polymers and Composites
Thirteenth week	Joining
Fourteenth week	Automation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666007
Major / School Year	Dept. of Mechanical Engineering(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number		A weekday / class /	[SI272:화(041)(042)(043)(044)]
Office hours		lecture room	

[1] Outline / Purpose

캡스톤 디자인을 통해 제품 설계/개발 과정을 경험함

[2] Course Learning Outcomes

창의적 아이디어 설계 및 구현 능력을 배양함

[3] Class Delivery Method

이론: 화요일 오후 6시-7시 45분 (8호관 272호)

실습: 화요일 오후 7시 50분-9시 35분 (8호관 272호 및 공작실습실)

9/5(화) 오후 6시

* 필수 참석 / OT 미참석자는 무작위로 팀 배정

10/3(화) 휴강: 해당 주차에 보강 실시

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	20 %	0 %	60 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	20 %	0 %	0 %	0 %	0 %	80 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	OT, 조 배정, 제품 설계
Second week	제품 설계, 주간발표
Third week	제품 설계, 주간발표
Fourth week	제품 설계, 주간발표
Fifth week	제품 설계, 주간발표
Sixth week	제품 설계, 주간발표
Seventh week	제품 설계, 주간발표
Eighth week	중간발표
Ninth week	제품 제작, 주간발표
Tenth week	제품 제작, 주간발표
Eleventh week	제품 제작, 주간발표
Twelfth week	제품 제작, 주간발표
Thirteenth week	제품 제작, 주간발표
Fourteenth week	기말발표
Fifteenth week	컨테스트
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design I	Course Number	0006666008
Major / School Year	Dept. of Mechanical Engineering(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 방민호	Grades/Lecture/ Practice	3 / 2 / 2
Phone Number	0328358415	A weekday / class /	[SI482:화(0A1)(0A2)(0A3)(0A4)]
Office hours		lecture room	

[1] Outline / Purpose

- 캡스톤디자인은 그 동안의 배운 공학 지식을 활용하여 제품개발에 관한 아이디어, 제품의 기본 구상, 제품설계, 제품 제작/마케팅 등의 과정을 경험함으로써 기계공학의 적용/응용을 학습하는 과목임.
- 최종적으로 제품의 도출이 되어야하는 과목이므로 학생들 스스로 설계/제작한 제품에 대해 평가하여 제품으로의 기계공학의 적용 및 응용을 학습함.

[2] Course Learning Outcomes

- 제품개발을 통해 종합적인 공학 지식을 응용하는 과정을 학습함.
- 제품개발을 위한 아이디어 선정, 기본 구상, 설계, 제작/마케팅 등의 제품개발 과정을 학습함.
- 팀 프로젝트 회의 및 보고서, 발표를 통해 의사소통 능력을 배양함.

[3] Class Delivery Method

- 팀별 프로젝트 기반으로 진행상황 발표로 진행됨. (팀별 발표자료는 영어로 작성함)
- OT 안내

㉠ 9/5(화) 18:00, 8호관 482호

㉡ 필수 참석이며, 미참석시 무작위로 팀 배정함.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	10 %	0 %	80 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	50 %	0 %	0 %	0 %	0 %	50 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	김은경	한빛아카데미	창의적 공학설계	2020
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	OT 및 조 배정
Second week	캡스톤설계를 위한 이론 강의, 설계 실습
Third week	캡스톤설계의 활용에 대한 강의 및 제품 개발 사례 소개, 설계 실습
Fourth week	제품 설계, 주간발표
Fifth week	제품 설계, 주간발표
Sixth week	제품 설계, 주간발표
Seventh week	제품 설계, 주간발표
Eighth week	중간발표 및 보고서 제출
Ninth week	제품 제작, 주간발표
Tenth week	제품 제작, 주간발표
Eleventh week	제품 제작, 주간발표
Twelfth week	제품 제작, 주간발표
Thirteenth week	제품 제작, 주간발표
Fourteenth week	제품 제작, 주간발표
Fifteenth week	최종발표 및 보고서 제출
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MECHANICAL ELEMENT DESIGN	Course Number	0001831004
Major / School Year	Dept. of Mechanical Engineering(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 이태선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI272:월(045),수(044)(045)]
Office hours		lecture room	

[1] Outline / Purpose

From this course the students will learn the functions and design of machine elements

[2] Course Learning Outcomes

The students will be able to design and select appropriate machine elements for mechanical production

[3] Class Delivery Method

This course will be provided in the form of online lectures except when the exams are conducted in person.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm and final exams will be 40% each towards to final grade. The remaining 20% will be attendance.

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Namyoung Jung	Publisher	Hakjin Books	Textbook	Mechanical Engineering Design	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Basics of Mechanical Engineering Design 75 mins of online lectures
Second week	Materials 75 mins of online lectures
Third week	Load and Stress Analysis – 75 mins of online lectures
Fourth week	Screws (1) – 75 mins of online lectures
Fifth week	Screws (2) – 75 mins of online lectures
Sixth week	Keys, Pins, and Cotters (1) – 75 mins of online lectures
Seventh week	Keys, Pins, and Cotters (2) – 75 mins of online lectures
Eighth week	Midterm Exam (in class)
Ninth week	Rivets, Welds and Adhesives (1) – 75 mins of online lectures
Tenth week	Rivets, Welds and Adhesives (2) – 75 mins of online lectures
Eleventh week	Shafts (1) – 75 mins of online lectures
Twelfth week	Shafts (2) – 75 mins of online lectures
Thirteenth week	Bearings (1) – 75 mins of online lectures
Fourteenth week	Bearings (2) – 75 mins of online lectures
Fifteenth week	Final Exam (in class)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Heat Transfer		Course Number	0001853004		
Major / School Year	Dept. of Mechanical Engineering(Evening)	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 안호선	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class / lecture room	[SI386:목(044)(045)] [SI503:월(041)]		
Office hours						

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	SIGNAL PROCESSING		Course Number	EC06139002		
Major / School Year	Dept. of Mechanical Engineering(Evening)	/ 4	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechanical Engineering	/ 김경태	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI503:화(0ㄱ1)(0ㄱ2)(0ㄱ3)]		
Office hours			lecture room			

[1] Outline / Purpose

This course provides a solid theoretical foundation for the analysis and processing of experimental data, and real-time experimental control methods. Topics covered include spectral analysis, filter design, system identification, and simulation in continuous and discrete-time domains. The emphasis is on practical problems with laboratory exercises.

[2] Course Learning Outcomes

Understanding a solid theoretical foundation for the analysis and processing of experimental data, and real-time experimental control methods

[3] Class Delivery Method

theory lecture, video lecture

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	15 %	%	%	15 %	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	%	%	%	20 %	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	장영범	Publisher	생능출판	Textbook	신호 및 시스템	Issued year	2010 0815
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	강철홍, 유지상, 박호중	Publisher	생능출판	Textbook	신호 및 시스템	Issued year	2002 0810
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Continuous-time signal 1/2
Second week	Continuous-time signal 2/2
Third week	Continuous-time system 1/2
Fourth week	Continuous-time system 2/2
Fifth week	Spectrum of Continuous-time signal 1/2
Sixth week	Spectrum of Continuous-time signal 2/2
Seventh week	Laplace transform 1/2
Eighth week	midterm exam.
Ninth week	Laplace transform 2/2
Tenth week	Digital signal 1/2
Eleventh week	Digital signal 2/2
Twelfth week	Spectrum of digital signal 1/2
Thirteenth week	Spectrum of digital signal 2/2
Fourteenth week	Z transform 1/2
Fifteenth week	Z transform 2/2
Sixteenth week	Final exam.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Energy Conversion Engineering	Course Number	0001867002
Major / School Year	Dept. of Mechanical Engineering(Evening) / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 김태우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI482:월(0)1)(0)2)(0)3]
Office hours		lecture room	

[1] Outline / Purpose

This course aims to understand the scientific principles related to various energy sources and possible future energy production methods.

[2] Course Learning Outcomes

This course covers our present and future energy needs, options for continued use of fossil fuels, and options for establishing an alternative energy economy.

[3] Class Delivery Method

Lecture, presentation, and exam.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	10 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	80 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Energy basics
Second week	Fossil fuels
Third week	Fossil fuels Nuclear basics
Fourth week	Nuclear basics Nuclear fission
Fifth week	Nuclear fission
Sixth week	Nuclear fission
Seventh week	Nuclear fusion
Eighth week	Midterm exam
Ninth week	Wind energy Hydroelectric energy
Tenth week	Solar energy
Eleventh week	Solar energy
Twelfth week	Tidal energy Geothermal energy
Thirteenth week	Fuel cell
Fourteenth week	Battery Electric Vehicles
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENERGY CONVERSION TO ELECTRIC POWER	Course Number	0006716001
Major / School Year	Dept. of Electrical Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 김준동	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI322:월(1),금(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

By understanding of materials and designs, students can bridge devices and electric circuits.

[2] Course Learning Outcomes

Capability to understand the device based on materials and designs.

[3] Class Delivery Method

This class will be delivered in English and/or Korean language.
 Dr. Joon (김준동 교수) and Dr. Malkesh are the main lecturers.
 (Special invited lectures will be available.)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Donald Neamen	Publisher		Textbook	Neamen	Issued year	
(2)	Author	Rober Pierret	Publisher		Textbook	Semiconductor Device Fundamentals	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to courses
Second week	Basics of semiconductor circuits and devices
Third week	Diode and Transistor
Fourth week	Bipolar Junction Transistor-1
Fifth week	Bipolar Junction Transistor-2
Sixth week	Bipolar Junction Transistor-3
Seventh week	PN/PN devices
Eighth week	Midterm exam
Ninth week	Field Effect Transistor -1
Tenth week	Field Effect Transistor -2
Eleventh week	Junction Field Effect Transistor
Twelfth week	Photo Diode and switches-1
Thirteenth week	Photo Diode and switches-1
Fourteenth week	Photo Diode and switches-2
Fifteenth week	Various electronic devices and applications
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ELECTRICAL SEMICONDUCTOR ENGINEERING	Course Number	0006708001
Major / School Year	Dept. of Electrical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 윤주형	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358438	A weekday / class /	[SI416:월(8B-9),수(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

Introduce students to the new generation of energy-efficient power electronic devices and provide students the insight useful for understanding and analyzing those devices. Silicon power electronic devices are fast approaching their performance limits set by silicon's fundamental material properties. A new generation of semiconductor materials having a wider energy bandgap has emerged which makes energy-efficient electronic, especially power electronic devices possible. These devices are capable of drastic reduction of switching and conduction losses simultaneously as well as operation under higher temperatures, making power systems considerably smaller, lighter, cheaper and more robust.

[2] Course Learning Outcomes

Characteristics, fabrication, and application of power semiconductor devices, which may include p-i-n and Schottky diodes, insulated gate bipolar transistors, field effect transistors, and thyristors. Effect of semiconductor material, device structure, and current injection levels on device performance. Device drive requirements and power circuit interaction. Implementation of power devices using wide band gap semiconductors such as silicon carbide and gallium nitride.

[3] Class Delivery Method

Lecture 90%, Seminar 10

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	%	10 %	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	%	70 %	%	%	%	%	%

[4] Grading Policies

Midterm exam 30%, Final Exam 40%, Attendance 20%, HW 10%

① Percentage of grade evaluation

Exam	Attendance	Assignment
70 %	20 %	10 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Chenming C. Hu	Prentice Hall	Modern Semiconductor Devices for Integrated Circuits	2009
(2)	Chenming C. Hu	한빛아카데미	현대 반도체 소자공학	2023
(3)	Benda, Vaitezslav; Gowar, John; Grant, Duncan A. C	John Wiley and Sons, Inc.	Power Semiconductor Devices : Theory and Applications	1999

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Robert Pierret	Addison Wesley	Semiconductor Device Fundamentals	2002
(2)				
(3)				
(4)				
(5)				

[Other books]

Main text book 1 and 3 are available on both hard case and e-book in Haksan Library (English ver.)
 Main text book 2 is available in book store (Korean ver. of main text book 1)

[6] Weekly lesson plans

First week	Introduction – Semiconductors
Second week	Electrons and Holes in Semiconductors
Third week	Motion and Recombination of Electrons and Holes
Fourth week	Device Fabrication Technology
Fifth week	PN junction
Sixth week	Metal-Semiconductor junction
Seventh week	MOS capacitor
Eighth week	Midterm Exam
Ninth week	Diodes Thyristors
Tenth week	Bipolar transistors
Eleventh week	MOSFET
Twelfth week	MOSFET
Thirteenth week	IGBT
Fourteenth week	Drive requirements, thermal management, and protection
Fifteenth week	Drive requirements, thermal management, and protection
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Semiconductors and Energy in Nanotechnology	Course Number	0010902001
Major / School Year	Dept. of Electrical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI438:금(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 물성을 기반으로 반도체 소자의 동작원리 및 전자회로를 학습한다.
 관련 소자: 다이오드, Bipolar 트랜지스터, Field effect 트랜지스터, 태양전지

[2] Course Learning Outcomes

Capability to understand the device based on materials and designs.

[3] Class Delivery Method

선택사항: 원하는 학생들은 팀을 구성하여 논문 작성 출간하여, 취업/학업 역량을 증대할 수 있음

This class will be delivered in English and/or Korean language.

Dr. Malkesh and Dr. Joon (김준동 교수) are the main lecturers.

(Special invited lectures will be available.)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Rober Pierret	Publisher		Textbook	Semiconductor Device Fundamentals	Issued year	
(2)	Author	Neamen	Publisher		Textbook	Neamen의 반도체 물성과 소자	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to courses
Second week	Basics of semiconductor circuits and devices
Third week	Nanotechnology -Fundamental and Applications (선택사항: 조별 혹은 개인별 에너지 소자 디자인)
Fourth week	Nanotechnology (선택사항: 조별 혹은 개인별 에너지 소자 디자인)
Fifth week	Bipolar Junction Transistor-1
Sixth week	Bipolar Junction Transistor-2
Seventh week	Bipolar Junction Transistor-3
Eighth week	Midterm exam
Ninth week	Field Effect Transistor -1
Tenth week	Field Effect Transistor -2
Eleventh week	Junction Field Effect Transistor
Twelfth week	Photo Diode and switches-1
Thirteenth week	Photo Diode and switches-1
Fourteenth week	Photo Diode and switches-2
Fifteenth week	Various electronic devices and applications
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Sensor Engineering	Course Number	0003423001
Major / School Year	Dept. of Electrical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 윤주형	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI416:화(2B-3),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides a brief overview of the basic principles on which our modern sensor technology operate.

In describing sensors, we will need to also incorporate the basic concepts of physical measurement and the use of measurement instrumentation.

A broad overview includes optical, infrared, hyperspectral, terahertz, biological, magnetic, chemical, acoustic, and radiation sensors. The course will examine basic sensor operation and the implementation of sensors in measurement systems. Other topics to be covered are physical principles of sensing, interface electronic circuits, and sensor characteristics. In examining the basics principles of sensor operation, we will cover some of the fundamental effects, phenomena, laws and rules of physics which are used by sensors to measure and quantify.

[2] Course Learning Outcomes

Course is intended to provide you with the following specific knowledge and skills:

- Familiarizing with sensor classifications
- Learning about sensor characteristics
- Understanding sensor deviations and error conditions
- Learning about the physical phenomena used in sensing

[3] Class Delivery Method

off-line lecturing in class room forh three hours per week. Home works will be assigned bi-weekly.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

midterm exam: 30%, final exam:40%. attendance 20%, assignment 10%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
70 %	20 %	10 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jacob Fraden	Publisher	Springer New York Heidelberg Dordrecht London	Textbook	Handbook of Modern Sensors: Physics, Designs, and Applications, Fourth Edition (ISBN 978-1-4419-6465-6, e-ISBN 978-1-4419-6466-3, DOI 10.1007/978-1-4419-6466-3)	Issued year	2010
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Introduction Data Acquisition – Sensors, Signals, and Systems – Sensor Classification – Units of Measurements
Second week	Sensor Characteristics – Transfer Function – Calibration – Computation of Stimulus – Other characteristics
Third week	Physical Principles of Sensing I – Electric Charges, Fields, and Potentials – Capacitance – Magnetism – Induction – Resistance
Fourth week	Physical Principles of Sensing II – Piezoelectric Effect – Pyroelectric Effect – Hall Effect – Thermoelectric Effects
Fifth week	Physical Principles of Sensing III – Sound Waves – Temperature and Thermal Properties of Materials – Heat Transfer – Light – Dynamic Models of Sensor Elements
Sixth week	Optical Components of Sensors I – Radiometry – Photometry – Windows – Mirrors – Lenses – Fresnel Lenses
Seventh week	Optical Components of Sensors II – Fiber Optics and Waveguides – Concentrators – Coatings for Thermal Absorption – Nano-optics
Eighth week	– Interface Electronic Circuits – Midterm exam
Ninth week	Occupancy and Motion Detectors Position, Displacement, and Level
Tenth week	Velocity and Acceleration Force, Strain, and Tactile Sensors
Eleventh week	Pressure Sensors Flow Sensors
Twelfth week	Acoustic Sensors Humidity and Moisture Sensors
Thirteenth week	Light Detectors Radiation Detectors
Fourteenth week	Temperature Sensors Chemical Sensors
Fifteenth week	Sensor Materials and Technologies Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	COMPUTER PROGRAMMING	Course Number	EP01004001
Major / School Year	Dept. of Electronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 박재삼	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI326:월(8B-9),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended for those who want to learn basics of MATLAB programming language. Students who successfully complete this course will be able to write his/her own computer code for solving problems that are complex enough to be solved by other means. In the class, numerous examples will be handled which should help a student to learn quickly basic programming tools of MATLAB language. Topics discussed include the m-files, inline functions, control flow, relational and logical operators, strings, cell arrays, rounding numbers to integers, MATLAB graphics, MATLAB GUI and Simulink.

[2] Course Learning Outcomes

Students who successfully complete this course will be able to:

- Explain the main concepts of the MATLAB programming paradigm as they relate to software development, and
- Design, write, and debug programs of moderate complexity using the MATLAB programming language. These programs will incorporate software constructs, data structures, methods, strings, graphics, graphical user interface design and Simulink.

[3] Class Delivery Method

week 1-7 and 9-14: Lecture, 8th week: Mid-term examination, 15th week: final-examination. Learning activities will include lectures and computer exercises.

Students will also be expected to read the textbooks or other assigned reading outside of class and to participate in the critical evaluation of the material through individual exercise.

All students will be expected to read the assigned reading prior to attending class. Programming is not a spectator sport; all students will be expected to be ready to participate in discussion and problem solving during the lectures. Students will enter the programs into their computer but the answers on the classes are to be discussed and debated until each is confident of the correct result.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	0 %	0 %	40 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	40 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

Attendance(20%),Assignment(20%), Midterm(30%), Final(30%)

- Late submissions: score reduced.
- Excused Absences: No absences will be excused. All absences will be recorded as indicated in the Attendance Policy. Hence, students will be encouraged to "save up" absences for "unavoidable circumstances".

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jae Sam Park	Publisher	INU	Textbook	Lecture note	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	W. Palm	Publisher	McGraw-Hill	Textbook	MATLAB for Engineering Applications(4/E)	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	<p>Overview of the MATLAB Environment, Documentation, Starting and Quitting the MATLAB Program Matlab Basics: command window, edit window, graphics window, help, doc, demos, lookfor Column Vectors, Row Vectors, Matrices, Scalars, Square Matrices Changes working directory, Clear the command window, Clear items from memory, List M-file code with line numbers, Delete files, Lists the specified directory listing, Control page output for command window, Terminates MATLAB The Percent Sign, The Single Quote, Transpose, version (or ver), The Ellipsis, Variables. Ans, who, whos</p>
Second week	<p>Matrices and Arrays: sum, transpose, and diag, Subscripts ,The Colon Operator ,The magic Function Expressions: Variables, Numbers, Operators, Functions, Examples of Expressions Working with Matrices: Generating Matrices, The load Function, M-Files, Concatenation, Deleting Rows and Columns More About Matrices and Arrays: Linear Algebra, Arrays, Multivariate Data, Scalar Expansion, Logical Subscripting, The find Function Controlling Command Window Input and Output :The format Function, Suppressing Output, Entering Long Statements, Command Line Editing</p>
Third week	<p>Graphics, Overview of Plotting Plotting Process , Graph Components, Figure Tools, Arranging Graphs Within a Figure, Choosing a Type of Graph to Plot Editing Plots Plot Edit Mode, Using Functions to Edit Graphs Some Ways to Use Plotting Tools Preparing Graphs for Presentation Printing the Graph, Exporting the Graph Creating a Plot, Plotting Multiple Data Sets, Specifying Line Styles and Colors, Controlling the Axes Creating Mesh and Surface Plots Plotting Image Data Reading and Writing Images Printing Graphics Printing from the File Menu, Exporting the Figure to a Graphics File, Using the Print Command Understanding Handle Graphics Objects . Using the Handle, Graphics Objects, Setting Object Properties, Specifying the Axes or Figure, Finding the Handles of Existing Objects</p>
Fourth week	<p>Programming Flow Control Conditional Control – if, else, switch Loop Control – for, while, continue, break Error Control – try, catch</p>
Fifth week	<p>Tutorial I Programming in Matlab The m-files: Files that contain a computer code are called the m-files. Script files and function files. Inline functions and the feval command : Matlab has a command inline used to define the so-called inline functions in the Command Window. Control flow : Repeating with for loops. Repeating with while loops, The if-else-end constructions, The switch-case construction.</p>
Sixth week	<p>Tutorial II Programming in Matlab Relations and logical operators : comparisons in MATLAB are performed with the aid of the operators.</p>
Seventh week	<p>Tutorial III – Using MATLAB in Linear Algebra One of the nice features of MATLAB is its ease of computations with vectors and matrices. In this tutorial the following topics are discussed: vectors and matrices in MATLAB, solving systems of linear equations, the inverse of a matrix, determinants, vectors in n-dimensional Euclidean space, linear transformations, real vector spaces and the matrix eigenvalue problem. Applications of linear algebra to the curve fitting, message coding and computer graphics are also included.</p>
Eighth week	<p>Mid-term Examination (off-line)</p>
Ninth week	<p>Creating Graphical User Interfaces Laying Out a GUI Starting GUIDE, The Layout Editor Programming a GUI Simple GUI tutorial : The main reason GUIs are used is because it makes things simple for the end-users of the program. If GUIs were not used, people would have to work from the command line interface, which can be extremely difficult and frustrating. Imagine if you had to input text commands to operate your web browser. It wouldnt be very practical. In this tutorial, we will create a simple GUI that will add together two numbers, displaying the answer in a designated text field.</p>
Tenth week	<p>Create GUI with GUIDE Tutorial I GUIDE: A Brief Introduction, : GUIDE, the MATLAB Graphical User Interface Development Environment, provides a set of tools for creating graphical user interfaces (GUIs). These tools greatly simplify the process of laying out and programming GUIs Example: Simple GUI : This tutorial introduce you how to use GUIDE to create the graphical user interface (GUI) shown in the selected target. Laying Out a Simple GUI : Opening a New GUI in the Layout Editor, Setting the GUI Figure Size, Adding the Components, Aligning the Components, Adding Text to the Components, Completed Layout</p>

Eleventh week	Create GUI with GUIDE Tutorial II Example: Advanced GUI : Saving the GUI Layout : When you save a GUI, GUIDE creates two files, a FIG-file and a code file. The FIG-file, with extension .fig, is a binary file that contains a description of the layout. The code file, with extension .m, contains MATLAB functions that control the GUI.
Twelfth week	Create GUI with GUIDE Tutorial III
Thirteenth week	Simulink basics and Tutorial 1 – Selected topics on Signal Processing, Image Processing, Control, Communications Control systems tutorial gives the students the opportunity to get first in touch with Matlab and further to have a background knowledge about the simulation of control systems on following order : Physical setup and system equations, Design requirements Matlab representation, Open-loop response, Closed-loop transfer function and Simulink
Fourteenth week	Simulink basics and Tutorial 2 – Selected topics on Signal Processing, Image Processing, Control, Communications Control systems tutorial gives the students the opportunity to get first in touch with Matlab and further to have a background knowledge about the simulation of control systems on following order : Physical setup and system equations, Design requirements Matlab representation, Open-loop response, Closed-loop transfer function and Simulink
Fifteenth week	Final examination
Sixteenth week	

[7] Assignments

The first assignment	assignment	Matlab m-file programming	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Matlab GUI programming	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment	Simulink Programming	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	COMPUTER PROGRAMMING	Course Number	EP01004003
Major / School Year	Dept. of Electronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 박재삼	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI326:수(8B-9),목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended for those who want to learn basics of MATLAB programming language. Students who successfully complete this course will be able to write his/her own computer code for solving problems that are complex enough to be solved by other means. In the class, numerous examples will be handled which should help a student to learn quickly basic programming tools of MATLAB language. Topics discussed include the m-files, inline functions, control flow, relational and logical operators, strings, cell arrays, rounding numbers to integers, MATLAB graphics, MATLAB GUI and Simulink.

[2] Course Learning Outcomes

Students who successfully complete this course will be able to:

- Explain the main concepts of the MATLAB programming paradigm as they relate to software development, and
- Design, write, and debug programs of moderate complexity using the MATLAB programming language. These programs will incorporate software constructs, data structures, methods, strings, graphics, graphical user interface design and Simulink.

[3] Class Delivery Method

week 1-7 and 9-14: Lecture, 8th week: Mid-term examination, 15th week: final-examination. Learning activities will include lectures and computer exercises.

Students will also be expected to read the textbooks or other assigned reading outside of class and to participate in the critical evaluation of the material through individual exercise.

All students will be expected to read the assigned reading prior to attending class. Programming is not a spectator sport; all students will be expected to be ready to participate in discussion and problem solving during the lectures. Students will enter the programs into their computer but the answers on the classes are to be discussed and debated until each is confident of the correct result.

㉓ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	0 %	0 %	40 %	0 %	0 %	0 %	0 %

㉔ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	40 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

Attendance(20%),Assignment(20%), Midterm(30%), Final(30%)

- Late submissions: score reduced.
- Excused Absences: No absences will be excused. All absences will be recorded as indicated in the Attendance Policy. Hence, students will be encouraged to "save up" absences for "unavoidable circumstances".

㉓ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jae Sam Park	Publisher	INU	Textbook	Lecture note	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	W. Palm	Publisher	McGraw-Hill	Textbook	MATLAB for Engineering Applications(4/E)	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	<p>Overview of the MATLAB Environment, Documentation, Starting and Quitting the MATLAB Program Matlab Basics: command window, edit window, graphics window, help, doc, demos, lookfor Column Vectors, Row Vectors, Matrices, Scalars, Square Matrices Changes working directory, Clear the command window, Clear items from memory, List M-file code with line numbers, Delete files, Lists the specified directory listing, Control page output for command window, Terminates MATLAB The Percent Sign, The Single Quote, Transpose, version (or ver), The Ellipsis, Variables. Ans, who, whos</p>
Second week	<p>Matrices and Arrays: sum, transpose, and diag, Subscripts ,The Colon Operator ,The magic Function Expressions: Variables, Numbers, Operators, Functions, Examples of Expressions Working with Matrices: Generating Matrices, The load Function, M-Files, Concatenation, Deleting Rows and Columns More About Matrices and Arrays: Linear Algebra, Arrays, Multivariate Data, Scalar Expansion, Logical Subscripting, The find Function Controlling Command Window Input and Output :The format Function, Suppressing Output, Entering Long Statements, Command Line Editing</p>
Third week	<p>Graphics, Overview of Plotting Plotting Process , Graph Components, Figure Tools, Arranging Graphs Within a Figure, Choosing a Type of Graph to Plot Editing Plots Plot Edit Mode, Using Functions to Edit Graphs Some Ways to Use Plotting Tools Preparing Graphs for Presentation Printing the Graph, Exporting the Graph Creating a Plot, Plotting Multiple Data Sets, Specifying Line Styles and Colors, Controlling the Axes Creating Mesh and Surface Plots Plotting Image Data Reading and Writing Images Printing Graphics Printing from the File Menu, Exporting the Figure to a Graphics File, Using the Print Command Understanding Handle Graphics Objects . Using the Handle, Graphics Objects, Setting Object Properties, Specifying the Axes or Figure, Finding the Handles of Existing Objects</p>
Fourth week	<p>Programming Flow Control Conditional Control – if, else, switch Loop Control – for, while, continue, break Error Control – try, catch</p>
Fifth week	<p>Tutorial I Programming in Matlab The m-files: Files that contain a computer code are called the m-files. Script files and function files. Inline functions and the feval command : Matlab has a command inline used to define the so-called inline functions in the Command Window. Control flow : Repeating with for loops. Repeating with while loops, The if-else-end constructions, The switch-case construction.</p>
Sixth week	<p>Tutorial II Programming in Matlab Relations and logical operators : comparisons in MATLAB are performed with the aid of the operators.</p>
Seventh week	<p>Tutorial III – Using MATLAB in Linear Algebra One of the nice features of MATLAB is its ease of computations with vectors and matrices. In this tutorial the following topics are discussed: vectors and matrices in MATLAB, solving systems of linear equations, the inverse of a matrix, determinants, vectors in n-dimensional Euclidean space, linear transformations, real vector spaces and the matrix eigenvalue problem. Applications of linear algebra to the curve fitting, message coding and computer graphics are also included.</p>
Eighth week	<p>Mid-term Examination (off-line)</p>
Ninth week	<p>Creating Graphical User Interfaces Laying Out a GUI Starting GUIDE, The Layout Editor Programming a GUI Simple GUI tutorial : The main reason GUIs are used is because it makes things simple for the end-users of the program. If GUIs were not used, people would have to work from the command line interface, which can be extremely difficult and frustrating. Imagine if you had to input text commands to operate your web browser. It wouldnt be very practical. In this tutorial, we will create a simple GUI that will add together two numbers, displaying the answer in a designated text field.</p>
Tenth week	<p>Create GUI with GUIDE Tutorial I GUIDE: A Brief Introduction, : GUIDE, the MATLAB Graphical User Interface Development Environment, provides a set of tools for creating graphical user interfaces (GUIs). These tools greatly simplify the process of laying out and programming GUIs Example: Simple GUI : This tutorial introduce you how to use GUIDE to create the graphical user interface (GUI) shown in the selected target. Laying Out a Simple GUI : Opening a New GUI in the Layout Editor, Setting the GUI Figure Size, Adding the Components, Aligning the Components, Adding Text to the Components, Completed Layout</p>

Eleventh week	Create GUI with GUIDE Tutorial II Example: Advanced GUI : Saving the GUI Layout : When you save a GUI, GUIDE creates two files, a FIG-file and a code file. The FIG-file, with extension .fig, is a binary file that contains a description of the layout. The code file, with extension .m, contains MATLAB functions that control the GUI.
Twelfth week	Create GUI with GUIDE Tutorial III
Thirteenth week	Simulink basics and Tutorial 1 – Selected topics on Signal Processing, Image Processing, Control, Communications Control systems tutorial gives the students the opportunity to get first in touch with Matlab and further to have a background knowledge about the simulation of control systems on following order : Physical setup and system equations, Design requirements Matlab representation, Open-loop response, Closed-loop transfer function and Simulink
Fourteenth week	Simulink basics and Tutorial 2 – Selected topics on Signal Processing, Image Processing, Control, Communications Control systems tutorial gives the students the opportunity to get first in touch with Matlab and further to have a background knowledge about the simulation of control systems on following order : Physical setup and system equations, Design requirements Matlab representation, Open-loop response, Closed-loop transfer function and Simulink
Fifteenth week	Final examination
Sixteenth week	

[7] Assignments

The first assignment	assignment	Matlab m-file programming	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Matlab GUI programming	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment	Simulink Programming	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	COMPUTER PROGRAMMING	Course Number	EP01004002
Major / School Year	Dept. of Electronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 박재삼	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI326:월(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended for those who want to learn basics of MATLAB programming language. Students who successfully complete this course will be able to write his/her own computer code for solving problems that are complex enough to be solved by other means. In the class, numerous examples will be handled which should help a student to learn quickly basic programming tools of MATLAB language. Topics discussed include the m-files, inline functions, control flow, relational and logical operators, strings, cell arrays, rounding numbers to integers, MATLAB graphics, MATLAB GUI and Simulink.

[2] Course Learning Outcomes

Students who successfully complete this course will be able to:

- Explain the main concepts of the MATLAB programming paradigm as they relate to software development, and
- Design, write, and debug programs of moderate complexity using the MATLAB programming language. These programs will incorporate software constructs, data structures, methods, strings, graphics, graphical user interface design and Simulink.

[3] Class Delivery Method

week 1-7 and 9-14: Lecture, 8th week: Mid-term examination, 15th week: final-examination. Learning activities will include lectures and computer exercises.

Students will also be expected to read the textbooks or other assigned reading outside of class and to participate in the critical evaluation of the material through individual exercise.

All students will be expected to read the assigned reading prior to attending class. Programming is not a spectator sport; all students will be expected to be ready to participate in discussion and problem solving during the lectures. Students will enter the programs into their computer but the answers on the classes are to be discussed and debated until each is confident of the correct result.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	0 %	0 %	40 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	40 %	0 %	0 %	0 %	50 %	0 %

[4] Grading Policies

Attendance(20%),Assignment(20%), Midterm(30%), Final(30%)

- Late submissions: score reduced.
- Excused Absences: No absences will be excused. All absences will be recorded as indicated in the Attendance Policy. Hence, students will be encouraged to "save up" absences for "unavoidable circumstances".

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jae Sam Park	Publisher	INU	Textbook	Lecture note	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	W. Palm	Publisher	McGraw-Hill	Textbook	MATLAB for Engineering Applications(4/E)	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	<p>Overview of the MATLAB Environment, Documentation, Starting and Quitting the MATLAB Program Matlab Basics: command window, edit window, graphics window, help, doc, demos, lookfor Column Vectors, Row Vectors, Matrices, Scalars, Square Matrices Changes working directory, Clear the command window, Clear items from memory, List M-file code with line numbers, Delete files, Lists the specified directory listing, Control page output for command window, Terminates MATLAB The Percent Sign, The Single Quote, Transpose, version (or ver), The Ellipsis, Variables. Ans, who, whos</p>
Second week	<p>Matrices and Arrays: sum, transpose, and diag, Subscripts ,The Colon Operator ,The magic Function Expressions: Variables, Numbers, Operators, Functions, Examples of Expressions Working with Matrices: Generating Matrices, The load Function, M-Files, Concatenation, Deleting Rows and Columns More About Matrices and Arrays: Linear Algebra, Arrays, Multivariate Data, Scalar Expansion, Logical Subscripting, The find Function Controlling Command Window Input and Output :The format Function, Suppressing Output, Entering Long Statements, Command Line Editing</p>
Third week	<p>Graphics, Overview of Plotting Plotting Process , Graph Components, Figure Tools, Arranging Graphs Within a Figure, Choosing a Type of Graph to Plot Editing Plots Plot Edit Mode, Using Functions to Edit Graphs Some Ways to Use Plotting Tools Preparing Graphs for Presentation Printing the Graph, Exporting the Graph Creating a Plot, Plotting Multiple Data Sets, Specifying Line Styles and Colors, Controlling the Axes Creating Mesh and Surface Plots Plotting Image Data Reading and Writing Images Printing Graphics Printing from the File Menu, Exporting the Figure to a Graphics File, Using the Print Command Understanding Handle Graphics Objects . Using the Handle, Graphics Objects, Setting Object Properties, Specifying the Axes or Figure, Finding the Handles of Existing Objects</p>
Fourth week	<p>Programming Flow Control Conditional Control – if, else, switch Loop Control – for, while, continue, break Error Control – try, catch</p>
Fifth week	<p>Tutorial I Programming in Matlab The m-files: Files that contain a computer code are called the m-files. Script files and function files. Inline functions and the feval command : Matlab has a command inline used to define the so-called inline functions in the Command Window. Control flow : Repeating with for loops. Repeating with while loops, The if-else-end constructions, The switch-case construction.</p>
Sixth week	<p>Tutorial II Programming in Matlab Relations and logical operators : comparisons in MATLAB are performed with the aid of the operators.</p>
Seventh week	<p>Tutorial III – Using MATLAB in Linear Algebra One of the nice features of MATLAB is its ease of computations with vectors and matrices. In this tutorial the following topics are discussed: vectors and matrices in MATLAB, solving systems of linear equations, the inverse of a matrix, determinants, vectors in n-dimensional Euclidean space, linear transformations, real vector spaces and the matrix eigenvalue problem. Applications of linear algebra to the curve fitting, message coding and computer graphics are also included.</p>
Eighth week	<p>Mid-term Examination (off-line)</p>
Ninth week	<p>Creating Graphical User Interfaces Laying Out a GUI Starting GUIDE, The Layout Editor Programming a GUI Simple GUI tutorial : The main reason GUIs are used is because it makes things simple for the end-users of the program. If GUIs were not used, people would have to work from the command line interface, which can be extremely difficult and frustrating. Imagine if you had to input text commands to operate your web browser. It wouldnt be very practical. In this tutorial, we will create a simple GUI that will add together two numbers, displaying the answer in a designated text field.</p>
Tenth week	<p>Create GUI with GUIDE Tutorial I GUIDE: A Brief Introduction, : GUIDE, the MATLAB Graphical User Interface Development Environment, provides a set of tools for creating graphical user interfaces (GUIs). These tools greatly simplify the process of laying out and programming GUIs Example: Simple GUI : This tutorial introduce you how to use GUIDE to create the graphical user interface (GUI) shown in the selected target. Laying Out a Simple GUI : Opening a New GUI in the Layout Editor, Setting the GUI Figure Size, Adding the Components, Aligning the Components, Adding Text to the Components, Completed Layout</p>

Eleventh week	Create GUI with GUIDE Tutorial II Example: Advanced GUI : Saving the GUI Layout : When you save a GUI, GUIDE creates two files, a FIG-file and a code file. The FIG-file, with extension .fig, is a binary file that contains a description of the layout. The code file, with extension .m, contains MATLAB functions that control the GUI.
Twelfth week	Create GUI with GUIDE Tutorial III
Thirteenth week	Simulink basics and Tutorial 1 – Selected topics on Signal Processing, Image Processing, Control, Communications Control systems tutorial gives the students the opportunity to get first in touch with Matlab and further to have a background knowledge about the simulation of control systems on following order : Physical setup and system equations, Design requirements Matlab representation, Open-loop response, Closed-loop transfer function and Simulink
Fourteenth week	Simulink basics and Tutorial 2 – Selected topics on Signal Processing, Image Processing, Control, Communications Control systems tutorial gives the students the opportunity to get first in touch with Matlab and further to have a background knowledge about the simulation of control systems on following order : Physical setup and system equations, Design requirements Matlab representation, Open-loop response, Closed-loop transfer function and Simulink
Fifteenth week	Final examination
Sixteenth week	

[7] Assignments

The first assignment	assignment	Matlab m-file programming	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Matlab GUI programming	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment	Simulink Programming	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	PHYSICAL ELECTRONICS	Course Number	EPC6048001
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 이영훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI321:금(2B-3)] [SI433:수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended to provide fundamental knowledge of the physical properties of semiconductors required to understand the operation principles of semiconductor devices. This course is suitable for undergraduate sophomores majoring in Electronics Engineering. Topics include crystal structure, quantum mechanics, energy band, carrier concentration, recombination and generation, carrier transport, and p-n junctions.

[2] Course Learning Outcomes

Students who successfully complete this course will be expected to achieve the following:

- an understanding of fundamental concepts of semiconductors,
- an ability to explain how quantum mechanics determines semiconductor properties,
- an ability to describe carrier behavior in semiconductors.

[3] Class Delivery Method

Offline or video lecture every week. Details will be announced.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	0 %	0 %	0 %	0 %	0 %	70 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	Ben G. Streetman, Sanjay Kumar Banerjee	Pearson Education	Solid State Electronic Devices Global Ed, 7/e	2015
(2)				
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)	Donald A. Neamen	McGraw-Hill Higher Education	Semiconductor Physics and Devices, 4/e	2011
(2)	Robert F. Pierret	Pearson	Advanced Semiconductor Fundamentals, 2/e	2002
(3)	David J. Griffiths and Darrell F. Schroeter	Cambridge University Press	Introduction to Quantum Mechanics, 3/e	2018
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	(Offline/Video) Introduction, crystal properties
Second week	(Offline/Video) Quantum mechanics 1
Third week	(Offline/Video) Quantum mechanics 2
Fourth week	(Offline/Video) Quantum mechanics 3
Fifth week	(Offline/Video) Energy bands 1
Sixth week	(Offline/Video) Energy bands 2
Seventh week	(Offline/Video) Energy bands 3
Eighth week	Mid-term exam
Ninth week	(Offline/Video) Carrier concentration 1
Tenth week	(Offline/Video) Carrier concentration 2
Eleventh week	(Offline/Video) Recombination and generation
Twelfth week	(Offline/Video) Carrier transport 1
Thirteenth week	(Offline/Video) Carrier transport 2
Fourteenth week	(Offline/Video) p-n junctions
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	PHYSICAL ELECTRONICS	Course Number	EPC6048003
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 정은교	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI518:화(1-2A),금(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended to provide fundamental knowledge for physical properties of semiconductors, required to understand operation of semiconductor devices and modeling of I-V characteristics that students will learn next year. Topics include atomic models, crystal structures, energy band, electron transport mechanism, basic semiconductor properties, recombination-generation process, equations of state describing semiconductor devices.

[2] Course Learning Outcomes

Students who successfully complete this course will be expected to achieve following:

- an understanding of fundamental concepts of physical properties of semiconductors.
- an ability to explain how quantum mechanics plays a role in determining energy band of semiconductors.
- an ability to apply equations of state to describing carrier transport in semiconductors.

[3] Class Delivery Method

Lecture, Exam, and QnA

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Ben G. Streetman	Publisher	Prentice Hall	Textbook	Solid state electronic device	Issued year	1980
(2)	Author	Donald A. Neamen	Publisher	Irwin	Textbook	Semiconductor physics & devices	Issued year	1997
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Robert F. Pierret	Publisher	Addison Wesley Longman	Textbook	Advanced semiconductor fundamentals	Issued year	2003
(2)	Author	Robert F. Pierret	Publisher	Addison Wesley Longman	Textbook	Semiconductor Device Fundamentals	Issued year	1996
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction The crystal structure of solids (1)
Second week	The crystal structure of solids (2) The crystal structure of solids (review/quiz)
Third week	Introduction to quantum mechanics (1) Introduction to quantum mechanics (2)
Fourth week	Introduction to quantum mechanics (3) Introduction to quantum mechanics (4)
Fifth week	Introduction to quantum mechanics (review/quiz) Introduction to the quantum theory (1)
Sixth week	Introduction to the quantum theory (2) Introduction to the quantum theory (3)
Seventh week	Introduction to the quantum theory (4) Introduction to the quantum theory (review/quiz)
Eighth week	Midterm exam
Ninth week	The semiconductor in equilibrium (1) The semiconductor in equilibrium (2)
Tenth week	The semiconductor in equilibrium (3) The semiconductor in equilibrium (review/quiz)
Eleventh week	Carrier transport phenomena (1) Carrier transport phenomena (2)
Twelfth week	Carrier transport phenomena (3) Carrier transport phenomena (review/quiz)
Thirteenth week	Nonequilibrium excess carriers in semiconductors (1) Nonequilibrium excess carriers in semiconductors (2)
Fourteenth week	Nonequilibrium excess carriers in semiconductors (3) Nonequilibrium excess carriers in semiconductors (review/quiz)
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	PHYSICAL ELECTRONICS	Course Number	EPC6048002
Major / School Year	Dept. of Electronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 정은교	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI433:화(2B-3)] [SI518:금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is intended to provide fundamental knowledge for physical properties of semiconductors, required to understand operation of semiconductor devices and modeling of I-V characteristics that students will learn next year. Topics include atomic models, crystal structures, energy band, electron transport mechanism, basic semiconductor properties, recombination-generation process, equations of state describing semiconductor devices.

[2] Course Learning Outcomes

Students who successfully complete this course will be expected to achieve following:

- an understanding of fundamental concepts of physical properties of semiconductors.
- an ability to explain how quantum mechanics plays a role in determining energy band of semiconductors.
- an ability to apply equations of state to describing carrier transport in semiconductors.

[3] Class Delivery Method

Lecture, Exam, and QnA

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Ben G. Streetman	Publisher	Prentice Hall	Textbook	Solid state electronic device	Issued year	1980
(2)	Author	Donald A. Neamen	Publisher	Irwin	Textbook	Semiconductor physics & devices	Issued year	1997
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Robert F. Pierret	Publisher	Addison Wesley Longman	Textbook	Advanced semiconductor fundamentals	Issued year	2003
(2)	Author	Robert F. Pierret	Publisher	Addison Wesley Longman	Textbook	Semiconductor Device Fundamentals	Issued year	1996
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction The crystal structure of solids (1)
Second week	The crystal structure of solids (2) The crystal structure of solids (review/quiz)
Third week	Introduction to quantum mechanics (1) Introduction to quantum mechanics (2)
Fourth week	Introduction to quantum mechanics (3) Introduction to quantum mechanics (4)
Fifth week	Introduction to quantum mechanics (review/quiz) Introduction to the quantum theory (1)
Sixth week	Introduction to the quantum theory (2) Introduction to the quantum theory (3)
Seventh week	Introduction to the quantum theory (4) Introduction to the quantum theory (review/quiz)
Eighth week	Midterm exam
Ninth week	The semiconductor in equilibrium (1) The semiconductor in equilibrium (2)
Tenth week	The semiconductor in equilibrium (3) The semiconductor in equilibrium (review/quiz)
Eleventh week	Carrier transport phenomena (1) Carrier transport phenomena (2)
Twelfth week	Carrier transport phenomena (3) Carrier transport phenomena (review/quiz)
Thirteenth week	Nonequilibrium excess carriers in semiconductors (1) Nonequilibrium excess carriers in semiconductors (2)
Fourteenth week	Nonequilibrium excess carriers in semiconductors (3) Nonequilibrium excess carriers in semiconductors (review/quiz)
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MICROWAVE ENGINEERIG	Course Number	EPC6023002
Major / School Year	Dept. of Electronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 유인상	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI321:화(2B-3),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

현대 무선 통신 시스템의 이해와 해석에 필요한 초고주파 회로 부품 및 시스템 설계에 필요한 이론을 배웁니다. 맥스웰 방정식을 통하여 전자기파의 다양한 매질 내에서의 전파, 반사 등의 파동 현상을 이해하고 전송 선로 이론, 스미스 차트, 임피던스 정합, 도파관 등 다양한 초고주파 수동 회로의 해석 및 설계를 위한 기초 이론을 다룹니다. 초고주파 필터, 결합기, 분배기 소자의 이론 및 컴퓨터 시뮬레이션 실습을 통해 초고주파 회로 설계 과정을 익힙니다.

[2] Course Learning Outcomes

1. 초고주파 회로의 동작 원리 이해와 설계에 필요한 기본적인 전송선로 이론을 배웁니다.
2. 초고주파 회로의 기본 이론에 대한 이해를 바탕으로 전력 분배기 커플러 공진기 필터 등의 수동 소자들의 기본 원리 및 설계 이론을 익힙니다.
3. 수업 시간에 배운 기본 개념을 바탕으로 초고주파 회로 및 시스템의 이해를 목표로 합니다.

[3] Class Delivery Method

1. 컴퓨터 강의실에서 이론 및 실습을 진행합니다.
2. 각 주제에 관한 강의를 기본으로 진행하되, 필요시 해당 주제에 대한 발표 수업 및 과제가 요구됩니다.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	0 %	30 %	0 %	0 %	0 %	0 %

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	70 %	0 %	0 %	0 %	20 %	0 %

[4] Grading Policies

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	David M. Pozar	Publisher	Wiley	Textbook	Microwave Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Robert E. Collin	Publisher		Textbook	Foundations for Microwave Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Review: Electromagnetic theory
Second week	Transmission line theory -. Transmission line equations -. Lumped element circuit model for a transmission line
Third week	Transmission line theory -. Wave equations for voltage and current -. Transmission lines with losses -. Terminated transmission lines
Fourth week	Microwave Network Analysis -. Z, Y, S, and ABCD matrices
Fifth week	Microwave Network Analysis -. Network gain using ABCD parameters -. Example calculations using S (and ABCD) matrices
Sixth week	Impedance Matching -. The Smith chart -. Network model for impedance matching -. Lumped element matching
Seventh week	Impedance Matching -. Stub matching -. Broadband impedance matching networks
Eighth week	Midterm exam
Ninth week	Power Dividers -. Impedance matched two-way power dividers -. Impedance matched four-wave power dividers
Tenth week	Directional Couplers -. Branch-line coupler
Eleventh week	Microwave Resonators -. Series and parallel resonant circuits -. Cavity resonators
Twelfth week	Microwave Filters -. Network synthesis and design -. Transformation from lowpass to bandpass
Thirteenth week	Microwave Filters -. Transformation from lowpass to highpass (or bandstop)
Fourteenth week	Microwave Communication Systems -. Understanding of microwave communications systems
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Design project 1	submission date	
	purpose			
	procedure & notice	Passive circuit design project 1 -. Impedance matching network		
	references			
The second assignment	assignment	Design project 2	submission date	
	purpose			
	procedure & notice	Passive circuit design project 2 -. Filter design		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Fundamentals of Semiconductor Process Technology	Course Number	0005947001
Major / School Year	Dept. of Electronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 진성훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI518:월(2)(3),수(7)]
Office hours		lecture room	

[1] Outline / Purpose

Main goals in this lecture are to understand semiconductor unit processes such as oxidation, diffusion, chemical vapor deposition, photo-lithography, etch, ion implantation, metalization, and testing. For the efficient achievement of the aforementioned goals, all of students in this class will get the chance for learning basics on semiconductor processes and analysis skill via lecture and practice.

[2] Course Learning Outcomes

To build up working knowledge on state of the art semiconductor process technology via lecture note, TCAD simulation, and electrical characterization for real devices.

[3] Class Delivery Method

Lecture and practice (TCAD simulation/electrical measurement): 80% 수준은 동영상 강의를 진행을 하고, 필요에 따라서 20% 수준은 화상강의를 통해서, 학생들과 원활한 질의응답 시간을 갖도록 할 예정임. 이번 학기에 COVID19 으로 인해서 주가 되는 동영상 강의의 자율성을 원활히 활용하지 못하는 학생들에게, 필요한 피드백을 줄 예정임.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	%	%	40 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	70 %	%	%	%	20 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	최우영, 박병국, 이종덕 공저	Publisher	문운당	Textbook	실리콘 집적회로 공정기술의 기초	Issued year	2011 0801
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Plummer, James D.	Publisher	Prentice Hall	Textbook	Silicon VLSI Technology Fundamentals, Practice, and Modeling	Issued year	2000 0301
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction/ Semiconductor Process History
Second week	Oxidation
Third week	Diffusion
Fourth week	Ion implantation
Fifth week	Chemical vapor deposition
Sixth week	Photolithography
Seventh week	TCAD Simulation (Practice I)
Eighth week	Midterm examination
Ninth week	Etching (wet & dry)
Tenth week	Metallization
Eleventh week	CVD growth and SEM analysis (Practice II)
Twelfth week	Device Testing Theory
Thirteenth week	Device Testing (Practice III)
Fourteenth week	Process Integration
Fifteenth week	TCAD Simulation (Term-project)
Sixteenth week	Final examination

[7] Assignments

The first assignment	assignment	TCAD Simulation	submission date	2015-10-16 Fri
	purpose	To learn how to use ATLAS and ATHENA		
	procedure & notice			
	references			
The second assignment	assignment	CVD growth and SEM analysis	submission date	2015-11-13 Fri
	purpose	To understand CVD process and analysis scheme for nanostructure		
	procedure & notice			
	references			
The third assignment	assignment	TCAD Simulation (Term-project)	submission date	2015-12-11 Fri
	purpose	To build up key knowledge on CMOS operation.		
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Big Data Engineering	Course Number	0010080001
Major / School Year	Dept. of Electronics Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 김훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI325:수(5B-6),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

With the evolution of communication networks such as IoT and 5G and the proliferation of Internet services, technical and academic demands for collecting and using information are getting increasing. As a result, the demand for technology in the field of effectively handling and utilizing big data has also been increasing industrially and socially. This course overallly covers AI techniques, data science, and their applications.

This course deals with the academic and technical content required in each steps of collecting, analyzing, visualizing, and using big data. Students will learn the basics and tools and methodologies necessary for the collection of big data, data processing theories and techniques for refining, storing and analyzing them, data analysis theories for problem modeling and solving, and understanding data through visualization. Students will also experience some tools to apply the suggested theories and solutions, and expand their understanding depth through assignment submission and presentation.

[2] Course Learning Outcomes

We will learn basic concepts and usage of big data engineering, and study skills of AI techniques, data science, and their applications.

[3] Class Delivery Method

Lecture, quiz, hw, practices, etc.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[6] Weekly lesson plans

First week	Course Introduction
Second week	Data Analysis Basics
Third week	AI techniques(1/2)
Fourth week	AI techniques(2/2)
Fifth week	Data processing(1/2)
Sixth week	Data processing(2/2)
Seventh week	Quiz(1)
Eighth week	AI and Data Processing(Review)
Ninth week	Data Visualization(1/2)
Tenth week	Data Visualization(2/2)
Eleventh week	Project(Problem) Assignment
Twelfth week	Project Report and Review(1)
Thirteenth week	Project Report and Review(2)
Fourteenth week	Project Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Big Data Engineering	Course Number	0010080002
Major / School Year	Dept. of Electronics Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 김훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI325:수(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

With the evolution of communication networks such as IoT and 5G and the proliferation of Internet services, technical and academic demands for collecting and using information are getting increasing. As a result, the demand for technology in the field of effectively handling and utilizing big data has also been increasing industrially and socially. This course overallly covers AI techniques, data science, and their applications.

This course deals with the academic and technical content required in each steps of collecting, analyzing, visualizing, and using big data. Students will learn the basics and tools and methodologies necessary for the collection of big data, data processing theories and techniques for refining, storing and analyzing them, data analysis theories for problem modeling and solving, and understanding data through visualization. Students will also experience some tools to apply the suggested theories and solutions, and expand their understanding depth through assignment submission and presentation.

[2] Course Learning Outcomes

We will learn basic concepts and usage of big data engineering, and study skills of AI techniques, data science, and their applications.

[3] Class Delivery Method

Lecture, quiz, hw, practices, etc.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[6] Weekly lesson plans

First week	Course Introduction
Second week	Data Analysis Basics
Third week	AI techniques(1/2)
Fourth week	AI techniques(2/2)
Fifth week	Data processing(1/2)
Sixth week	Data processing(2/2)
Seventh week	Quiz(1)
Eighth week	AI and Data Processing(Review)
Ninth week	Data Visualization(1/2)
Tenth week	Data Visualization(2/2)
Eleventh week	Project(Problem) Assignment
Twelfth week	Project Report and Review(1)
Thirteenth week	Project Report and Review(2)
Fourteenth week	Project Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MICROWAVE ENGINEERIG	Course Number	EPC6023003
Major / School Year	Dept. of Electronics Engineering(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 유인상	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI433:화(0A1-2A)(0A2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

현대 무선 통신 시스템의 이해와 해석에 필요한 초고주파 회로 부품 및 시스템 설계에 필요한 이론을 배웁니다. 맥스웰 방정식을 통하여 전자기파의 다양한 매질 내에서의 전파, 반사 등의 파동 현상을 이해하고 전송 선로 이론, 스미스 차트, 임피던스 정합, 도파관 등 다양한 초고주파 수동 회로의 해석 및 설계를 위한 기초 이론을 다룹니다. 초고주파 필터, 결합기, 분배기 소자의 이론 및 컴퓨터 시뮬레이션 실습을 통해 초고주파 회로 설계 과정을 익힙니다.

[2] Course Learning Outcomes

1. 초고주파 회로의 동작 원리 이해와 설계에 필요한 기본적인 전송선로 이론을 배웁니다.
2. 초고주파 회로의 기본 이론에 대한 이해를 바탕으로 전력 분배기 커플러 공진기 필터 등의 수동 소자들의 기본 원리 및 설계 이론을 익힙니다.
3. 수업 시간에 배운 기본 개념을 바탕으로 초고주파 회로 및 시스템의 이해를 목표로 합니다.

[3] Class Delivery Method

1. 컴퓨터 강의실에서 이론 및 실습을 진행합니다.
2. 각 주제에 관한 강의를 기본으로 진행하되, 필요시 해당 주제에 대한 발표 수업 및 과제가 요구됩니다.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	0 %	30 %	0 %	0 %	0 %	0 %

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	70 %	0 %	0 %	0 %	20 %	0 %

[4] Grading Policies

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	David M. Pozar	Publisher	Wiley	Textbook	Microwave Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Robert E. Collin	Publisher		Textbook	Foundations for Microwave Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Review: Electromagnetic theory
Second week	Transmission line theory -. Transmission line equations -. Lumped element circuit model for a transmission line
Third week	Transmission line theory -. Wave equations for voltage and current -. Transmission lines with losses -. Terminated transmission lines
Fourth week	Microwave Network Analysis -. Z, Y, S, and ABCD matrices
Fifth week	Microwave Network Analysis -. Network gain using ABCD parameters -. Example calculations using S (and ABCD) matrices
Sixth week	Impedance Matching -. The Smith chart -. Network model for impedance matching -. Lumped element matching
Seventh week	Impedance Matching -. Stub matching -. Broadband impedance matching networks
Eighth week	Midterm exam
Ninth week	Power Dividers -. Impedance matched two-way power dividers -. Impedance matched four-wave power dividers
Tenth week	Directional Couplers -. Branch-line coupler
Eleventh week	Microwave Resonators -. Series and parallel resonant circuits -. Cavity resonators
Twelfth week	Microwave Filters -. Network synthesis and design -. Transformation from lowpass to bandpass
Thirteenth week	Microwave Filters -. Transformation from lowpass to highpass (or bandstop)
Fourteenth week	Microwave Communication Systems -. Understanding of microwave communications systems
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Design project 1	submission date	
	purpose			
	procedure & notice	Passive circuit design project 1 -. Impedance matching network		
	references			
The second assignment	assignment	Design project 2	submission date	
	purpose			
	procedure & notice	Passive circuit design project 2 -. Filter design		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Fundamentals of Semiconductor Process Technology	Course Number	0005947002
Major / School Year	Dept. of Electronics Engineering(Evening) / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Electronics Engineering / 진성훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI321:월(5)(6),수(9)]
Office hours		lecture room	

[1] Outline / Purpose

Main goals in this lecture are to understand semiconductor unit processes such as oxidation, diffusion, chemical vapor deposition, photo-lithography, etch, ion implantation, metalization, and testing. For the efficient achievement of the aforementioned goals, all of students in this class will get the chance for learning basics on semiconductor processes and analysis skill via lecture and practice.

[2] Course Learning Outcomes

To build up working knowledge on state of the art semiconductor process technology via lecture note, TCAD simulation, and electrical characterization for real devices.

[3] Class Delivery Method

Lecture and practice (TCAD simulation/electrical measurement): 80% 수준은 동영상 강의를 진행을 하고, 필요에 따라서 20% 수준은 화상강의를 통해서, 학생들과 원활한 질의응답 시간을 갖도록 할 예정임. 이번 학기에 COVID19 으로 인해서 주가 되는 동영상 강의의 자율성을 원활히 활용하지 못하는 학생들에게, 필요한 피드백을 줄 예정임.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	%	%	40 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	70 %	%	%	%	20 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	최우영, 박병국, 이종덕 공저	Publisher	문운당	Textbook	실리콘 집적회로 공정기술의 기초	Issued year	2011 0801
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Plummer, James D.	Publisher	Prentice Hall	Textbook	Silicon VLSI Technology Fundamentals, Practice, and Modeling	Issued year	2000 0301
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction/ Semiconductor Process History
Second week	Oxidation
Third week	Diffusion
Fourth week	Ion implantation
Fifth week	Chemical vapor deposition
Sixth week	Photolithography
Seventh week	TCAD Simulation (Practice I)
Eighth week	Midterm examination
Ninth week	Etching (wet & dry)
Tenth week	Metallization
Eleventh week	CVD growth and SEM analysis (Practice II)
Twelfth week	Device Testing Theory
Thirteenth week	Device Testing (Practice III)
Fourteenth week	Process Integration
Fifteenth week	TCAD Simulation (Term-project)
Sixteenth week	Final examination

[7] Assignments

The first assignment	assignment	TCAD Simulation	submission date	2015-10-16 Fri
	purpose	To learn how to use ATLAS and ATHENA		
	procedure & notice			
	references			
The second assignment	assignment	CVD growth and SEM analysis	submission date	2015-11-13 Fri
	purpose	To understand CVD process and analysis scheme for nanostructure		
	procedure & notice			
	references			
The third assignment	assignment	TCAD Simulation (Term-project)	submission date	2015-12-11 Fri
	purpose	To build up key knowledge on CMOS operation.		
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Reinforcement Learning	Course Number	0010910001
Major / School Year	Dept. of Industrial and Management Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Industrial and Management Engineering / 김관호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI478:화(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is to learn the concept of reinforcement learning that aims to a computational approach to learning from interactions. We will explore designs for machines that are effective in solving learning problems of scientific or economic interest, evaluating the designs through mathematical analysis or computational experiments.

[2] Course Learning Outcomes

Students will be provided various solution methods for dealing with MDP models including associative search, DP, MC, TD, Bootstrapping, Planning, and Value-function approximation. Specifically, the course objectives are i) understanding reinforcement learning problems, ii) tabular solution methods, and iii) approximation based solution methods.

[3] Class Delivery Method

Most lectures will be given with lecture notes, and some video clips.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Richard S. Sutton	Publisher	The MIT Press	Textbook	Reinforcement Learning	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course orientation
Second week	RL Introduction
Third week	Multi-armed bandit problem
Fourth week	Finite MDP
Fifth week	Dynamic programming
Sixth week	Monte Carlo method
Seventh week	Temporal-Difference learning
Eighth week	Mid-term exam
Ninth week	Bootstrapping 1
Tenth week	Bootstrapping 2
Eleventh week	Planning and learning
Twelfth week	On-policy prediction
Thirteenth week	On-policy control
Fourteenth week	Eligibility traces
Fifteenth week	Fin exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Energy and Environmental Engineering	Course Number	0009477001
Major / School Year	Dept. of Materials Science and Engineering / 2	completion division /Grade evaluation	/
Department/Professor	/	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class / lecture room	[SI503:월(5B-6),수(1-2A)]
Office hours			

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MODERN PHYSICS	Course Number	EH06066001
Major / School Year	Dept. of Materials Science and Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 이한보람	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI385:화(1-2A),수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

In this class, the modern physics which has been developed from 1900s by various physicists will be introduced to understand many fundamentals behind modern electronics and nanoscale devices.

[2] Course Learning Outcomes

Understanding the concept of modern physics

[3] Class Delivery Method

Lecture, team project

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	90 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGraw-Hill	Textbook	Concept of modern physics (6th ed)	Issued year
(2)	Author	Han-Bo-Ram Lee	Publisher	Textbook	Lecture note	Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Basic Books	Textbook	The Feynman lectures on Physics	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview & Relativity
Second week	Particle properties of waves I
Third week	Particle properties of waves II
Fourth week	Wave properties of particles I
Fifth week	Wave properties of particles II
Sixth week	Atomic structure I
Seventh week	Atomic structure II
Eighth week	Mid term
Ninth week	Quantum mechanics I
Tenth week	Quantum mechanics II
Eleventh week	Quantum mechanics III
Twelfth week	Statistical mechanics I
Thirteenth week	Statistical mechanics II
Fourteenth week	Solid state I
Fifteenth week	Solid state II
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Basic Electrochemistry	Course Number	0009478001
Major / School Year	Dept. of Materials Science and Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 명재하	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI503:월(8B-9),화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

- Prerequisite: Materials thermodynamics
- Understanding of electrochemical reactions on view of thermodynamics

[2] Course Learning Outcomes

- Study of electrochemical energy system with fundamental mechanisms

[3] Class Delivery Method

- All in English (2 student presentations, 1 report, Exams)
- Presentation in English (20 min-talk)
- One-page report in English
- 100% off-line lecture (Changeable to On-line lecture depending on COVID-19)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

- Student presentation 40 %
- Exams 40%
- Attendance 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jae-ha Myung	Publisher		Textbook	lecture slides	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Lecture overview & introduction 1
Second week	-Thermodynamics? -Kinetics? -Electrochemistry?
Third week	-Basic Terminologies
Fourth week	- Electrochemical thermodynamics 1
Fifth week	- Electrochemical thermodynamics 2
Sixth week	- Electrochemical thermodynamics 3
Seventh week	- Student presentation 1
Eighth week	- mid-term
Ninth week	- Electrode/Electrolyte mechanism 1
Tenth week	- Electrode/Electrolyte mechanism 2
Eleventh week	- Fuel cell VS Battery
Twelfth week	- ex-situ analysis methods
Thirteenth week	- in-situ analysis methods (Theory and Experimental)
Fourteenth week	- Student presentation 2
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	NANOPROCESSING		Course Number	EQA6157001		
Major / School Year	Dept. of Materials Science and Engineering / 3		completion division /Grade evaluation	/		
Department/Professor	Dept. of Materials Science and Engineering / 이한보람		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class / lecture room	[SI503:월(7-8A),수(7-8A)]		
Office hours						

[1] Outline / Purpose

In this class, basics and fundamentals of the modern microfabrication technologies will be introduced with some examples in Si devices fabrications. The understanding will be extended to the bottom-up fabrication techniques, such as self-assembly and bio-mimetic systems.

[2] Course Learning Outcomes

Understanding the modern microfabrication technologies and fundamentals behind nanoscale fabrications

[3] Class Delivery Method

Lecture, homework, team project

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	%	20 %	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	90 %	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Han-Bo-Ram Lee	Publisher		Textbook	Lecture note	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Rainer Waser	Publisher	Wiley	Textbook	Nanoelectronics and Information Technology	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course overview & Introduction I
Second week	Introduction II
Third week	Thin film deposition
Fourth week	Photolithography
Fifth week	Nanodots & nanocrystals synthesis
Sixth week	Nanowires & nanorods synthesis
Seventh week	Carbon nanomaterials synthesis
Eighth week	Mid term
Ninth week	Self-assembled monolayers
Tenth week	Soft-lithography
Eleventh week	E-beam lithography
Twelfth week	Nanotemplates
Thirteenth week	Other nanofabrication methods
Fourteenth week	Presentation I
Fifteenth week	Presentation II
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CHARACTERIZATION OF MATERIALS	Course Number	0004222001
Major / School Year	Dept. of Materials Science and Engineering / 3	completion division /Grade evaluation	/
Department/Professor	/	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI503:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Computational Materials Science	Course Number	0010451001
Major / School Year	Dept. of Materials Science and Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 강영호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI383:월(5B-6),수(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

We will learn about how to study materials using atomistic simulations.

[2] Course Learning Outcomes

- Understanding of various simulation methods for materials science.

[3] Class Delivery Method

PPT slides and hand writing

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview
Second week	Introduction to molecular dynamics 1
Third week	Introduction to molecular dynamics 2
Fourth week	OK properties 1
Fifth week	OK properties 2
Sixth week	Properties at finite temperatures 1
Seventh week	Properties at finite temperatures 2
Eighth week	Midterm
Ninth week	Introduction to first-principles calculations 1
Tenth week	Introduction to first-principles calculations 2
Eleventh week	Introduction to first-principles calculations 3
Twelfth week	Molecular properties
Thirteenth week	Solid properties
Fourteenth week	Adsorption processes
Fifteenth week	Finals
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Semiconductor materials and devices	Course Number	0010452001
Major / School Year	Dept. of Materials Science and Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 강영호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI385:화(5B-6)] [SI503:수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

- In this class, we will study the fundamental properties of metals, semiconductors, and insulators. we will also learn about their applications.
- Prerequisite subjects (recommended): Modern physics, Electrical properties of the materials, Electronic materials

[2] Course Learning Outcomes

Understanding of the fundamentals and applications of semiconductor devices.

[3] Class Delivery Method

Power point slides and the writing board are used.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Principles of electronic materials and devices	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course overview
Second week	Review of solid-state physics 1
Third week	Review of solid-state physics 2
Fourth week	Semiconductors 1
Fifth week	Semiconductors 2
Sixth week	Dielectric properties 1
Seventh week	Dielectric properties 2
Eighth week	Midterm
Ninth week	Junctions 1
Tenth week	Junctions 2
Eleventh week	MOSFET
Twelfth week	Memory devices
Thirteenth week	Project presentation 1
Fourteenth week	Project presentation 2
Fifteenth week	Finals
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Hydrogen Fuel Cell Engineering	Course Number	0009479001
Major / School Year	Dept. of Materials Science and Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Materials Science and Engineering / 명재하	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI385:월(7-8A), 화(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

- Prerequisite: Materials thermodynamics, Basic Electrochemistry
- Understanding of Fuel Cell Technology and Their Industry Trend

[2] Course Learning Outcomes

- Study of Fuel Cell Mechanism and Their Analysis Methods

[3] Class Delivery Method

- All in English (2 student presentations, 1 report, Exams)
- Presentation in English (20 min-talk)
- One-page report in English
- Experimental Report
- 100% off-line lecture (Changeable to On-line lecture depending on COVID-19)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	O'hayre, Ryan, Cha, Suk-won, Colella, Whitney	JohnWiley&SonsInc	Fuel Cell Fundamentals	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Lecture Introduction
Second week	Introduction : What are Fuel Cells?
Third week	FUEL CELL THERMODYNAMICS
Fourth week	FUEL CELL THERMODYNAMICS
Fifth week	FUEL CELL REACTION KINETICS
Sixth week	FUEL CELL REACTION KINETICS
Seventh week	FUEL CELL CHARGE TRANSPORT
Eighth week	FUEL CELL MASS TRANSPORT FUEL CELL MODELING
Ninth week	FUEL CELL CHARACTERIZATION Student Presentation 1
Tenth week	Analysis of Piratical SOFC Unit Cell
Eleventh week	OVERVIEW OF FUEL CELL TYPES PEMFC AND SOFC MATERIALS
Twelfth week	OVERVIEW OF FUEL CELL SYSTEMS FUEL PROCESSING SUBSYSTEM DESIGN
Thirteenth week	THERMAL MANAGEMENT SUBSYSTEM DESIGN FUEL CELL SYSTEM DESIGN
Fourteenth week	ENVIRONMENTAL IMPACT OF FUEL CELLS
Fifteenth week	RECENT SOFC RESEARCHES AT INU MSE
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	COMBUSTION ENGINEERING	Course Number	EQB6066001
Major / School Year	Dept. of Safety Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 이민철	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358295	A weekday / class /	[SI534:수(8B-9)] [ZZ200:토(0A-0)]
Office hours		lecture room	

[1] Outline / Purpose

- This lecture is aiming to understand fundamental theory on combustion which is required for the safety engineers.
- This lecture provides profound knowledge on combustion including ignition, thermochemistry, chemical kinetics, combustion emissions, laminar/turbulent flames and thermal engines.

[2] Course Learning Outcomes

- To understand the concept of chemical reactions, basic theory of combustion and working principle of combustion application systems such as a gas turbine for power generation.
- To build up the ability for calculating the adiabatic flame temperature, equilibrium equation and using computer program (TPEquil etc.) as well as analytical derivation.

[3] Class Delivery Method

- Most lecture will be given in the class room by utilizing PPT files which will be uploaded in e-learning website.
- To increase understanding and to enhance interest, educational movies and calculation programs will also be utilized.
- ※ Pre-requisite : Thermodynamics (Basic Thermodynamics will be reviewed in the former part of this lecture. Thereby, it is recommended, not mandatory)
- All lectures will fully be given in online method including exams and submission of assignments due to COVID-19 crisis.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	5 %	%	5 %	5 %	%	%	5 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	%	%	%	%	85 %	5 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Stephen R. Turns	McGraw-Hill Korea, Inc.	An Introduction to Combustion	2012, 0224
(2)	Cengel		Thermodynamics, 10th ed.	
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	<input type="checkbox"/> Lecture Outline, Introduction to combustion engineering <input type="checkbox"/> Trial run of F-learning e-contents and Preview of Chap 2.1 – (1/2)
Second week	<input type="checkbox"/> Trial run of F-learning e-contents and Preview of Chap 2.1 – (2/2) <input type="checkbox"/> World Energy Usage and Global Warming
Third week	<input type="checkbox"/> Chap. 2.1 – Stoichiometry <input type="checkbox"/> Combustion Definition and Applications
Fourth week	<input type="checkbox"/> Example 2.2 <input type="checkbox"/> Review of Basic Thermodynamics
Fifth week	<input type="checkbox"/> Chap. 2.1 – Stoichiometry Excel Calculation <input type="checkbox"/> Thermochemistry (1)
Sixth week	<input type="checkbox"/> Chap. 2.1 – Non-stoichiometry Excel Calculation <input type="checkbox"/> Thermochemistry (2)
Seventh week	<input type="checkbox"/> Chap. 2 – Adiabatic Flame Temp. at constant pressure <input type="checkbox"/> Summary of chapter 1 and 2 and problem solving
Eighth week	<input type="checkbox"/> Mid-term Exam
Ninth week	<input type="checkbox"/> Chap. 2 – Adiabatic Flame Temp. at constant volume <input type="checkbox"/> Chemical Equilibrium
Tenth week	<input type="checkbox"/> Example 2.8 <input type="checkbox"/> Chemical Kinetics
Eleventh week	<input type="checkbox"/> Example 2.9 <input type="checkbox"/> Important Chemical Reaction Mechanism
Twelfth week	<input type="checkbox"/> Example 4.2 <input type="checkbox"/> Example 4.3 <input type="checkbox"/> Emissions (NO _x , CO, SO _x , and PM) – Production Mechanism, Regulation and Reduction
Thirteenth week	<input type="checkbox"/> Example 4.4 <input type="checkbox"/> Laminar Premixed Flames
Fourteenth week	<input type="checkbox"/> Invited talk – Professional related to the combustion engineering <input type="checkbox"/> Summary of chapter 4 and problem solving
Fifteenth week	<input type="checkbox"/> Final Exam
Sixteenth week	<input type="checkbox"/> Final Exam <input type="checkbox"/> Lecture Feedback and Evaluation

[7] Assignments

The first assignment	assignment	An Introduction to Combustion, Chap. 2 Exercise	submission date	2023-10-18 Wed
	purpose	To understand fundamental combustion theory		
	procedure & notice	Submit the solution of the given problems.		
	references	An Introduction to Combustion, 3rd Edition		
The second assignment	assignment	An Introduction to Combustion, Chap. 4 Exercise	submission date	2023-12-06 Wed
	purpose	Build up the ability to calculate the adiabatic flame temperature and to obtain equilibrium equations.		
	procedure & notice	Submit the solution of the given problems.		
	references	An Introduction to Combustion, 3rd Edition		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Introduction to Nuclear Engineering	Course Number	0006733001
Major / School Year	Dept. of Safety Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 김태완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI534:월(7-8A),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

- The importance of the safety of nuclear power plants has been emphasized, especially experiencing TMI, Chernobyl and Fukushima events.
- Considering that in total 24 nuclear power plants has been operated in Korea, it is important for the students majoring the safety engineering to understand the principles of nuclear engineering and to get the lessons learned from previous accidents for the safe use of the nuclear energy.

[2] Course Learning Outcomes

- To understand basic principles of nuclear power
- To acquire general knowledge of nuclear engineering
- To understand safety evaluation methods
- To understand previous accidents and activities to prevent.

[3] Class Delivery Method

- The lecture will be delivered by video
- Online lectures for general nuclear issues with multimedia materials

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	40 %	0 %	0 %	0 %

[4] Grading Policies

Absolute Evaluation

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	J. R. Lamarsh	Publisher	Prentice Hall	Textbook	Introduction to Nuclear Engineering	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course
Second week	Status of Nuclear Power
Third week	Nuclear Reaction
Fourth week	Radiation and Radioactive Material – I
Fifth week	Radiation and Radioactive Material – II
Sixth week	Reactor Types
Seventh week	NPP Heat Generation and Removal
Eighth week	Midterm Exam
Ninth week	Pressurized Water Reactor – I
Tenth week	Pressurized Water Reactor – II
Eleventh week	Nuclear Fuel Cycle
Twelfth week	Radioactive Waste Management
Thirteenth week	Energy Mix
Fourteenth week	Nuclear Accidents
Fifteenth week	Introduction to Nuclear Safety
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	NUCLEAR POWER SAFETY ENGINEERING	Course Number	EQB6030001
Major / School Year	Dept. of Safety Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 김태완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI534:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

In Korea, there are 24 nuclear power plants in operation and many nuclear application for industrial use. It is very important to understand unique features of nuclear safety in order to utilize the nuclear energy safely.

[2] Course Learning Outcomes

the course aims at

- . understanding the concepts of nuclear safety,
- . introducing terms used in nuclear safety,
- . introducing previous nuclear accidents and lesson learned,
- . understanding safety analysis methodologies,
- . understanding nuclear regulatory systems and activities,
- . understanding method / systems to improve the safety.

[3] Class Delivery Method

- Lecture-based learning
- The lecture will be delivered by video

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

Absolute Evaluation

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- . 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- . 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	J.C. Lee	Publisher	Wiley	Textbook	Risk and Safety Analysis of Nuclear Systems	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the course
Second week	Concept of Nuclear Safety
Third week	Review of Nuclear Power Plant System
Fourth week	Review of Nuclear Power Plant System
Fifth week	Safety Systems for Design Basis Accidents and Severe Accidents
Sixth week	Objectives and Principles of Nuclear Safety
Seventh week	Nuclear Safety Regulations
Eighth week	Midterm Exam
Ninth week	Review of Major Nuclear Accidents
Tenth week	Deterministic Safety Analysis – I
Eleventh week	Deterministic Safety Analysis – II
Twelfth week	Probabilistic Safety Assessment
Thirteenth week	Severe Accident Phenomenology
Fourteenth week	Various Aspects of Nuclear Safety – Earthquake – Radioactive Waste Management
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CapstoneDesign	Course Number	0005891001
Major / School Year	Dept. of Safety Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 이민철	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358295	A weekday / class /	[SI338:월(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture is aiming to build up the ability to design fire protection system and energy engineering systems especially power generation engines.

Student can learn various design theory, working principle, design concept and planing process of the objects using engineering knowledge such as mathematics, thermodynamics, fluid dynamics, and heat transfer. extinguisher, form extinguishing system, and sprinkler.

[2] Course Learning Outcomes

To understand the design concept and working principle of fire protection systems such as a fire extinguisher, form extinguishing system, and sprinkler.

To understand the design concept and working principle of energy engineering systems such as a pulverized coal boiler, a wind turbine, a gas turbine and a tidal power turbine.

To build ability for engineering design using design tools such as Computer Aided Design, Solid Works and/or Visio.

[3] Class Delivery Method

This lecture will be given by the blended methods of on-line and off-line classes.

In on-line class, basic theory on applied mathematics with easy examples will be explained before the off-line class.

In off-line class, derivation from mathematical modeling to solution methods of engineering problems will be explained by professor, and physical meaning of the solution will be explained using PPT presentation as well as writing on blackboard. To encourage the students participation, the chance to solve and discuss various examples will be provided to students.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	50 %	0 %	0 %	0 %	20 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	0 %	0 %	0 %	0 %	0 %	30 %	40 %

[4] Grading Policies

Exam (Term project evaluation) : 60%

Attendance : 20%

Assignment : 20%

Other score rating directions regarding early leaving, lateness and etc. will be followed by rules and codes of University.

Final term project will cover the evaluation of final exam, and novel ideas will be guided by the professor and encouraged to be patented.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	John Andrews and Nick Jelley	Oxford	Energy science, 2nd Edition	2013 0701
(2)	소방기술사회	예문사	Fire Protection Engineering Handbook	2014 0701
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Lecture outline Introduction to Capstone Design
Second week	Organizing into groups Problem Introduction
Third week	Team building activity, team introduction Previous best practice presentation
Fourth week	Fire detection system
Fifth week	Gas based fire extinguishing system
Sixth week	Water based fire extinguishing system
Seventh week	Energy system thermal power plants (I)
Eighth week	Energy system thermal power plants (II)
Ninth week	Energy system new and renewable energy (I)
Tenth week	Energy system new and renewable energy (II)
Eleventh week	Midterm Presentation
Twelfth week	Fulfillment of term project
Thirteenth week	Fulfillment of term project
Fourteenth week	Final term project and discussion
Fifteenth week	Final term project and discussion
Sixteenth week	Lecture feedback and evaluation Discussion for the patent submission

[7] Assignments

The first assignment	assignment	Warming-up Exercie	submission date	2023-10-04 Wed
	purpose	To build up teamwork and make student be more considered to solve problems		
	procedure & notice			
	references			
The second assignment	assignment	Final Term Project	submission date	2023-11-29 Wed
	purpose	To acheive final goal of this lecture		
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Practice of Disaster prevention plan	Course Number	0007830001
Major / School Year	Dept. of Safety Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 이동호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358293	A weekday / class /	[SI534:수(1-2A)] [ZZ200:토(4-5A)]
Office hours	PM 12 to 1 for Tue.	lecture room	

[1] Outline / Purpose

*Please note that this lecture has been selected as the best lecture award in the 2nd semester of the English course among all lectures on campus in 2019.

- Class outline: this lecture aims to understand how to apply to the field based on the practical theory of preparing a disaster prevention plan, which is essential for safety engineers.
- Purpose: This lecture provides computer simulation-based basic knowledge about the shortest distance/optimum time (RSET: Required Safe Egress Time) to evacuate to a safe evacuation site from a disaster (fire, earthquake, tsunami, etc.).

[2] Course Learning Outcomes

- Understand human evacuation characteristics.
- Understand bottlenecks according to topographical features of evacuation spaces (buildings, roads, etc.).
- Understand computer simulations of the time required to reach a safe evacuation area.

[3] Class Delivery Method

- All lectures are 100% e-Learning, and attendance is counted if you take classes within one week of the week.
- Lectures are conducted with computer-based practice required by the 4th industry, and related videos are appropriately used to help to understand.
- When taking concurrent courses with Fire Rheology, the fire performance-based design qualification used in fire risk assessment is recognized.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	20 %	10 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	70 %	0 %	30 %	0 %

[4] Grading Policies

Examination: 60% (Midterm: Report, Final: 5min. video presentation)

Attendance: 20% (Weekly e-Learning Progress Assessment)

Reporting and usual score: 20%

Public absences may be admissible if proof is available.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Prof. Rie	Publisher	Prof. Rie	Textbook	Upload Online Classroom Materials	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author	ASHRAE	Publisher		Textbook	Hand Book of smoke management	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	<p>*This week 's lecture is an introduction to the design of disaster prevention plans, and we will look at the safety of disaster prevention. –An overview of the entire lecture.</p>
Second week	<p>*Lecture sub–title of this week. – Karakato volcano: Find traces of disaster history at present. – The "Scream" of Adbark Munch: The History of Disaster in Art – Asteroid impacts and geological evidence of the Dark Ages: Earth remembers disaster. – Discussion: About the basics of securing safety from dangerous necessity. – Disasters caused by humanity – Fire, environmental destruction – How to make safety engineering.com? – The type of complex disaster: the form of the disaster also proceeds as a fusion? – Where did the assessment of the technical hazard risk come from? – Golden time is vital in strengthening organizational capacity in case of disaster.</p>
Third week	<p>*About Egress Plan. –Understanding of International Building Code. –Egress components –Occupant Load Factor –Exit Discharge and Exit</p>
Fourth week	<p>*TIMED EGRESS ANALYSIS –Timeline –Analysis Approaches –Algebraic Equation–Based Methods –Velocity –Density Specific Flow –Simplified Method –Individual Component Analysis</p>
Fifth week	<p>*Computer–Based Evacuation Models Egress system –Human Behavior Modeling –Individual tracking –Uncertainty Reference</p>
Sixth week	<p>*Basic concept of A.I.–based Pathfinding by using engineering method .–A* algorithm –Dijkstra algorithm –calculation of shortest path.</p>
Seventh week	<p>*Computer simulation evacuation method. –What is SIMULEX –How to run SIMULEX –Practice evacuation time calculation based on accurate building drawing</p>
Eighth week	<p>*Midterm exam –Written Text Report.</p>
Ninth week	<p>*Basic concept for the running of the evacuation simulation –autocad download and installation –AutoCAD running and basic using –Autocad data using the method in SIMULEX –importing drawing data –Calculation of evacuation time, RSET</p>
Tenth week	<p>*Computer simulation practice (object: building)– 1 –How to Building drawing importing –How to cad drawing importing –Download building drawing from the database –Calculation of evacuation time, RSET</p>
Eleventh week	<p>*Computer simulation practice(object: subway)– 2 –How to Building drawing importing –How to cad drawing importing –Download building drawing from the database</p>
Twelfth week	<p>*Computer simulation practice– 3 –How to Building drawing importing –How to cad drawing importing –Download building drawing from the database –Calculation of evacuation time, RSET</p>
Thirteenth week	<p>*Computer simulation practice– 4 –Evacuation Time–based Risk assessment –Risk assessment using ASET with RSET –How to report.</p>
Fourteenth week	<p>*Paper drawing converting –How to convert the paper drawing to SIMULEX –Calculation of evacuation time, RSET</p>
Fifteenth week	<p>*Making an egress plan by using Sketchup with Google Earth. –learning about the application Sketchup drawing –learning about applications by using Google Earth GPS's information–based object drawing. – Large area, for example, the downtown area *Final Seminar – Presentation 5 minutes with ppt.</p>

Sixteenth week	Supplementary lectures in the absence
----------------	---------------------------------------

[7] Assignments

The first assignment	assignment	Online lecture 3rd week notice report	submission date	2023-09-27 Wed
	purpose	To obtain time based egress evaluation		
	procedure & notice	Understanding the difference between the evaluation subjects.		
	references	Wikipedia Dictionary		
The second assignment	assignment	Online lecture 6th week notice report	submission date	2023-10-18 Wed
	purpose	To understand of egress component		
	procedure & notice	Essential for the smoke component on the way to evacuation.		
	references	On line lib. of Haksan		
The third assignment	assignment	Online lecture 7th week notice report	submission date	2023-10-25 Wed
	purpose	How to ASET & RSET calculation.		
	procedure & notice	The difference between ASET & RSET definition and its uses.		
	references	One line lib. of Haksan		

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Fire fighting facilities and structure	Course Number	0009473001
Major / School Year	Dept. of Safety Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 이동호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI335:화(5),목(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

1. Outline: The lecture on disaster prevention plans aims to provide a comprehensive understanding of designing effective strategies to mitigate the impact of disasters. The focus will be on ensuring the safety of communities, infrastructure, and the environment in the face of potential disasters. This overview will explore the fundamental concepts, key principles, and essential components of disaster prevention plans.

2. Purpose: This class is a lecture on securing the golden time for fire disasters using the 4th industrial revolution technology and learning in the following three directions. 1. Quantitative evaluation to secure the golden time for evacuation in a disaster. 2. Types of firefighting equipment and utilization plan to secure 1. 3. Fire engineer exam problem-solving. From the above learning, the educational initiative focusing on the 4th industrial revolution technology utilizes advanced software systems in response to disasters and learns disaster-related death reduction technologies.

[2] Course Learning Outcomes

Course Learning Outcomes: 1. Quantitative evaluation to secure golden time for evacuation in case of disaster utilizes computer-based specialized software. 2. Understand the types of firefighting equipment and how to use them based on domestic firefighting laws. 1. 3. Solving firefighter exam questions is understood based on past questions. The above learning is an integrated learning centered on safety technology, and it is possible to respond to the reduction of deaths from fires.

[3] Class Delivery Method

Class Delivery Method: 1. Quantitative evaluation to secure golden time for evacuation in case of disaster: Utilize SIMULEX, a computer-based specialized software. 2. Using the Korea Fire Insurance Association educational materials, learn the types and usage of firefighting equipment according to the domestic firefighting law. 1. 3. The solution to the technical license preparation problem is centered on the past problems of firefighting facility engineers.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	30 %	30 %	10 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	90 %	0 %	10 %	0 %

[4] Grading Policies

Midterm + final exam = 30% each (total 60%)

Attendance = 20%

Report + class attitude = 10% each (total 20%)

*Acknowledgment of attendance of absentee = submission of documents that can prove (email: manager@firesafety119.net)

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	PDF file textbook provided by the professor in charge	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	National Fire Safety Standards	Issued year	2019
(2)	Author	Publisher	Textbook		Issued year	
(3)	Author	Publisher	Textbook		Issued year	
(4)	Author	Publisher	Textbook		Issued year	
(5)	Author	Publisher	Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	1-1. Disaster prevention Eng. method Karakato volcano/Find traces of disaster history at present./The "Scream" of Adbark Munch: The History of Disaster in Art/Asteroid impacts and geological evidence of the Dark Ages: Earth remembers disaster. 1-2. Commentary on fire safety standards for smoke control facilities (NFSC501)
Second week	2-1. About Egress Plan. Understanding of International Building Code/Egress components/Occupant Load Factor/Exit Discharge and Exit 2.2 Seminar: Commentary on fire safety standards for smoke control facilities (NFSC501)
Third week	3-1. TIMED EGRESS ANALYSIS Timeline/Analysis Approaches/Algebraic Equation-Based Methods/Velocity Density Specific Flow/Simplified Method/Individual Component Analysis 3-2. Seminar: Commentary on fire safety standards for smoke control facilities (NFSC501)
Fourth week	4-1. Computer-Based Evacuation Models Egress system Human Behavior Modeling/Individual Tracking/Uncertainty Reference 4-2. Seminar: Commentary on fire safety standards for smoke control facilities (NFSC501)
Fifth week	5-1. The basic concept of A.I.-based Pathfinding by using engineering method A* algorithm/ Dijkstra algorithm/ calculation of shortest path. 5-2. Seminar: Special Evacuation Staircase Smoke Control System Fire Safety Standard (NFSC 501A)
Sixth week	6-1. Computer simulation evacuation method. What is SIMULEX/ How to run SIMULEX/ Practice evacuation time calculation based on accurate building drawing 6-2. Seminar: Special Evacuation Staircase Smoke Control System Fire Safety Standard (NFSC 501A)
Seventh week	*Midterm exam> Written Text Report.
Eighth week	8-1. The basic concept for the running of the evacuation simulation autocad download and installation/AutoCAD running and primary using /Autocad data using the method in SIMULEX/importing drawing data/Calculation of evacuation time, RSET 8-2. Seminar: Special Evacuation Staircase Smoke Control System Fire Safety Standard (NFSC 501A)
Ninth week	9-1. Computer simulation practice (object: building)- 1 How to Building drawing importing /How to cad drawing importing/Download building drawing from the database/Calculation of evacuation time, RSET 9-2.Seminar: Fire Safety Standards for Guide Lights and Guide Signs (NFSC 303) Commentary
Tenth week	10-1. Computer simulation practice(object: subway)- 2 How to Building drawing importing/How to cad drawing importing/Download building drawing from the database 10-2. Seminar: Fire Safety Standards for Guide Lights and Guide Signs (NFSC 303) Commentary
Eleventh week	11-1. Computer simulation practice- 3 How to Building drawing importing /How to cad drawing importing/Download building drawing from the database/Calculation of evacuation time, RSET 11-2. Seminar: Fire Safety Standards for Guide Lights and Guide Signs (NFSC 303) Commentary
Twelfth week	12-1. Computer simulation practice- 4 Evacuation Time-based Risk assessment/Risk assessment using ASET with RSET/How to report. 12-2. Seminar: Fire Safety Standards for Sprinkler Facilities (NFSC 103) Commentary
Thirteenth week	13-1 Paper drawing converting How to convert the paper drawing to SIMULEX /Calculation of evacuation time, RSET 13-2 Seminar: Fire Safety Standards for Sprinkler Facilities (NFSC 103) Commentary
Fourteenth week	14-1 Making an egress plan by using Sketchup with Google Earth. Learning about the application Sketchup drawing /learning about applications by using Google Earth GPS's information-based object drawing./Large area, for example, the downtown area 14-2 Seminar: Automatic fire detection system and visual alarm system Commentary on Fire Safety Standards (NFSC 203)
Fifteenth week	15. Final Seminar> Presentation 5 minutes with ppt.
Sixteenth week	16. Supplementary Lecture Week

[7] Assignments

The first assignment	assignment	The 3rd week notice report	submission date	2023-09-27 Wed
	purpose	To obtain time based egress evaluation		
	procedure & notice	Understanding the difference between the evaluation subjects.		
	references	Wikipedia Dictionary		
The second assignment	assignment	The 6th week notice report	submission date	2023-10-18 Wed
	purpose	To understand of egress component		

	procedure & notice	Essential for the smoke component on the way to evacuation.		
	references	On line lib. of Haksan		
The third assignment	assignment	The 7th week notice report	submission date	2023-10-25 Wed
	purpose	How to ASET & RSET calculation.		
	procedure & notice	The difference between ASET & RSET definition and its uses.		
	references	One line lib. of Haksan		

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Chemical Engineering Materials	Course Number	0010448001
Major / School Year	Dept. of Safety Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Safety Engineering / 김태훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI534:수(7-8A),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

- This course is designed for students trained in the safety engineering field and now requiring understanding of the concepts and fundamental knowledge employed in materials chemistry or materials science related to lithium-ion batteries & energy storage system (ESS).
- The basic concepts of atomic structure, chemical bonding, physical property, crystal structure, phase equilibrium, phase diagram, microstructure, and chemical reactions are detailed.
- Studies in materials design and processing related to lithium-ion batteries (LiBs) will be included, and examples of advanced safety materials (e.g. fire retardants, non-flammable composites, explosion proof materials, corrosion resistant alloy...) will be given. Characterisation techniques (SEM, EDX, XRD, XPS, and etc.) for safety materials will be also introduced.

[2] Course Learning Outcomes

On completion of the course, student will be able to:

1. Understand basic concepts of material science and engineering related to lithium-ion batteries & energy storage system (ESS)
2. Describe some key concepts for energy storage applications (e.g. Lithium-ion batteries) based on quantum mechanics
3. Explain characterisation techniques/tools for material science, electrochemistry and chemical engineering
4. Account for advanced safety materials that can be employed in energy storage applications
5. Connect concepts in material chemistry - the underpinning science and engineering applications, and acknowledge the importance of materials chemistry in the safety engineering discipline

[3] Class Delivery Method

- Lecture notes (PDF file) will be provided in previous of class
- You are expected to attend all lectures, interactives, and examinations
- All assignments will be announced through LMS
- Regular interaction is maintained through Q/A board of LMS

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Chemical Engineering Materials: Lecture Notes (PDF)	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook		Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Lecture Introduction: Chemical Engineering Materials (CEM)
Second week	CEM fundamentals (part 1)
Third week	CEM fundamentals (part 2)
Fourth week	CEM fundamentals (part 3)
Fifth week	CEM fundamentals (part 4)
Sixth week	CEM fundamentals (part 5)
Seventh week	Introduction to Energy Storage Technology and Key Issues
Eighth week	Mid-term exam.
Ninth week	Case studies of Lithium-ion Battery & ESS Incidents and risk analysis (part 1)
Tenth week	Case studies of Lithium-ion Battery & ESS Incidents and risk analysis (part 2)
Eleventh week	Energy Storage Technology and Safety Engineering (part 1)
Twelfth week	Energy Storage Technology and Safety Engineering (part 2)
Thirteenth week	Energy Storage Technology and Safety Engineering (part 3)
Fourteenth week	Team projects (presentations)
Fifteenth week	End-term exam.
Sixteenth week	

[7] Assignments

The first assignment	assignment	Team project (PPT presentation)	submission date	
	purpose			
	procedure & notice	Detail information will be announced later		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Experiment for Energy and Chemical Engineering	Course Number	0001216001
Major / School Year	Dept. of Energy and Chemical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 박영돈	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI530:수(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

Students are expected to understand the basic principles of heat transfer and energy loss, diffusion coefficient, convection and radiation by experiments related to the course of chemical engineering.

[2] Course Learning Outcomes

- Understand the basic principles of diffusion coefficient, reaction constant, heat and mass transfer, convection and radiation.
- Experimental and theoretical values of diffusivity, reaction constant, heat and mass transfer, convection and radiation are compared and analyzed through chemical engineering experiments.

[3] Class Delivery Method

- Classes are conducted experimentally and evaluated from the degree of understanding and academic achievement of the class through preliminary report, result report.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	0 %	0 %	80 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- Assessment of learning achievement (grade) will be made through report.
- Attendance rate and practical attitude will also be used.

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	실험 메뉴얼 제공	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Explanation of experiment contents and method, group formation
Second week	Combined convection and radiation Theory
Third week	Combined convection and radiation Preliminary experiments and understanding of experimental methods
Fourth week	Combined convection and radiation Main experiment and summary of experiment result Classes not scheduled for Chuseok holidays will be held on the first week of November
Fifth week	Radiation errors in temperature measurement Theory Classes that can not be held on national holidays will be held in the second week of November
Sixth week	Radiation errors in temperature measurement Preliminary experiments and understanding of experimental methods
Seventh week	Radiation errors in temperature measurement Main experiment and summary of experiment result
Eighth week	Liquid diffusion coefficient Theory
Ninth week	Liquid diffusion coefficient Preliminary experiments and understanding of experimental methods
Tenth week	Liquid diffusion coefficient Main experiment and summary of experiment result
Eleventh week	Reaction rate constant in CSTR reaction Theory
Twelfth week	Reaction rate constant in CSTR reaction Preliminary experiments and understanding of experimental methods
Thirteenth week	Reaction rate constant in CSTR reaction Main experiment and summary of experiment result
Fourteenth week	Application of Bernoulli's theorem Theory
Fifteenth week	Application of Bernoulli's theorem Preliminary experiments and understanding of experimental methods
Sixteenth week	Application of Bernoulli's theorem Main experiment and summary of experiment result

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Experiment for Energy and Chemical Engineering	Course Number	0001216002
Major / School Year	Dept. of Energy and Chemical Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 박영돈	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI530:목(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

Students are expected to understand the basic principles of heat transfer and energy loss, diffusion coefficient, convection and radiation by experiments related to the course of chemical engineering.

[2] Course Learning Outcomes

- Understand the basic principles of diffusion coefficient, reaction constant, heat and mass transfer, convection and radiation.
- Experimental and theoretical values of diffusivity, reaction constant, heat and mass transfer, convection and radiation are compared and analyzed through chemical engineering experiments.

[3] Class Delivery Method

- Classes are conducted experimentally and evaluated from the degree of understanding and academic achievement of the class through preliminary report, result report.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	0 %	0 %	80 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- Assessment of learning achievement (grade) will be made through report.
- Attendance rate and practical attitude will also be used.

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	실험 메뉴얼 제공	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook		Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Explanation of experiment contents and method, group formation
Second week	Combined convection and radiation Theory
Third week	Combined convection and radiation Preliminary experiments and understanding of experimental methods
Fourth week	Combined convection and radiation Main experiment and summary of experiment result Classes not scheduled for Chuseok holidays will be held on the first week of November
Fifth week	Radiation errors in temperature measurement Theory Classes that can not be held on national holidays will be held in the second week of November
Sixth week	Radiation errors in temperature measurement Preliminary experiments and understanding of experimental methods
Seventh week	Radiation errors in temperature measurement Main experiment and summary of experiment result
Eighth week	Liquid diffusion coefficient Theory
Ninth week	Liquid diffusion coefficient Preliminary experiments and understanding of experimental methods
Tenth week	Liquid diffusion coefficient Main experiment and summary of experiment result
Eleventh week	Reaction rate constant in CSTR reaction Theory
Twelfth week	Reaction rate constant in CSTR reaction Preliminary experiments and understanding of experimental methods
Thirteenth week	Reaction rate constant in CSTR reaction Main experiment and summary of experiment result
Fourteenth week	Application of Bernoulli's theorem Theory
Fifteenth week	Application of Bernoulli's theorem Preliminary experiments and understanding of experimental methods
Sixteenth week	Application of Bernoulli's theorem Main experiment and summary of experiment result

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Introduction to Energy Engineering	Course Number	0010917001
Major / School Year	Dept. of Energy and Chemical Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 김종우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI535:화(8B-9)] [SJ225:목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

에너지공학분야의 산업 및 연구 최신 현황을 학습하여 이를 바탕으로 진로를 설계하는 것을 목적으로 한다.

[2] Course Learning Outcomes

- 산학연 전문가의 초청 세미나를 듣고 관련 내용을 학습함
- 관심있는 에너지공학분야의 주제를 선정하여 심화학습을 함

[3] Class Delivery Method

초청 세미나를 듣고 관련 내용을 토론한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Seminar 1
Third week	Seminar 2
Fourth week	Seminar 3
Fifth week	Seminar 4
Sixth week	Seminar 5
Seventh week	Midterm discussion
Eighth week	Report
Ninth week	Seminar 7
Tenth week	Seminar 8
Eleventh week	Seminar 9
Twelfth week	Seminar 10
Thirteenth week	Seminar 11
Fourteenth week	Final presentation
Fifteenth week	Final presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Machine Learning for Chemical Engineering	Course Number	0010922001
Major / School Year	Dept. of Energy and Chemical Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Energy and Chemical Engineering / 김종우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ225:월(5B-6),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

본 과목은 기계학습과 딥러닝 기법등 머신러닝의 기초를 익히고 이를 바탕으로 화학공학 분야의 여러 문제를 풀어보는 것을 목적으로 한다.

[2] Course Learning Outcomes

- 선형 회귀 및 분류
- 심층 신경망의 구성요소와 훈련
- 합성곱 신경망, 재귀 신경망, 생성 모델
- 화학 공학 응용

[3] Class Delivery Method

- 수업은 강의 위주로 이루어지며, 프로그래밍 실습을 통해 개념 이해도 높임
- 조별 프로젝트를 통한 화학공학 분야의 실제 문제를 풀어봄

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
			강의 교안	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
	Ian Goodfellow et al.	MIT Press	Deep Learning	2016
(2)	Aston Zhang et al.	Cambridge University Press	Dive into deep learning (https://www.d2l.ai/)	2023
(3)	Gareth James et al.	Springer	An Introduction to Statistical Learning with Applications in Python	2023
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction to Statistical Learning and Machine Learning
Second week	Probability Basics
Third week	Regression
Fourth week	Regression
Fifth week	Classification
Sixth week	Cross-Validation
Seventh week	Model Selection
Eighth week	중간고사
Ninth week	Multilayer Perceptrons
Tenth week	Training Neural Networks
Eleventh week	Convolutional Neural Networks
Twelfth week	Convolutional Neural Networks
Thirteenth week	Recurrent Neural Networks
Fourteenth week	Unsupervised Learning
Fifteenth week	기말프로젝트 발표
Sixteenth week	기말프로젝트 발표

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGINEERING MATHEMATICS(1)	Course Number	0006700001
Major / School Year	Dept. of Mechatronics Engineering / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:화(4-5A),금(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course work (Advanced Engineering Mathematics) will cover the basic concepts of second- order linear ordinary differential equations. In order to achieve the main goals of this course work, the student will study the basic concepts of "System Dynamics" and its relevance with the ordinary differential equations. After the end of 2nd semester, the student will acquire the basic concepts of ordinary differential equations and know the various methods to solve multiple types of mathematical formulations.

[2] Course Learning Outcomes

1. Understand the relationship of the ordinary differential equations with the dynamics of mechanical systems
2. Know how to solve the given differential equations related to the motions of mechanical systems
3. Undertand and use Laplace transform to solve the ordinary differential equations

[3] Class Delivery Method

Lecture using PPT files and showing the relevant examples and problems

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	20 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	0 %	20 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

1. Construct the mathematical formulations with ordinary differential equations from the given mechanical system
2. Understand multiple methods to solve the various types of ordinary differential equations
3. Solve the ordinary differential equations along with different conditions by examing the characteristics of input functions

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Erwin Kreyszig	Publisher	Wiley	Textbook	Advanced Engineering Mathematics	Issued year	2011
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	1. General concepts of system in mechanical engineering 1.1. Basic concepts of system 1.2. System modeling
Second week	2. Second- order linear ordinary differential equations (ODEs) 2.1. Basic concepts of physical oscillation
Third week	2. Second- order linear ordinary differential equations (ODEs) 2.2. Homogeneous linear ODEs with constant coefficients
Fourth week	2. Second- order linear ordinary differential equations (ODEs) 2.2. Homogeneous linear ODEs with constant coefficients
Fifth week	2. Second- order linear ordinary differential equations (ODEs) 2.3. Nonhomogeneous ODEs and its application
Sixth week	2. Second- order linear ordinary differential equations (ODEs) 2.3. Nonhomogeneous ODEs and its application
Seventh week	2. Second- order linear ordinary differential equations (ODEs) 2.3. Nonhomogeneous ODEs and its application
Eighth week	2. Second- order linear ordinary differential equations (ODEs) 2.3. Nonhomogeneous ODEs and its application
Ninth week	2. Second- order linear ordinary differential equations (ODEs) 2.3. Nonhomogeneous ODEs and its application 2.4. Modeling: Forced oscillation
Tenth week	2. Second- order linear ordinary differential equations (ODEs) 2.4. Modeling: Forced oscillation
Eleventh week	2. Second- order linear ordinary differential equations (ODEs) 2.4. Modeling: Forced oscillation 3. Laplace Transform 3.1. Basic concepts of Laplace transform
Twelfth week	3. Laplace Transform 3.1. Basic concepts of Laplace transform
Thirteenth week	3. Laplace Transform 3.1. Basic concepts of Laplace transform 3.2. Laplace transform and its application
Fourteenth week	3. Laplace Transform 3.2. Laplace transform and its application
Fifteenth week	3. Laplace Transform 3.2. Laplace transform and its application
Sixteenth week	3. Laplace Transform 3.2. Laplace transform and its application

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CALCULUS(2)		Course Number	XAA1359021		
Major / School Year	Dept. of Mechatronics Engineering / 1		completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering / 한유성		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number		A weekday / class /	[SI539:월(7-8A),수(5B-6)]			
Office hours		lecture room				

[1] Outline / Purpose

▷ This course will be given in the form of the offline lectures.

The course will focus on matrix and vector methods for studying systems of linear equations, with an emphasis on concrete calculations and applications.

Specific topics to be covered include matrices, Gaussian elimination, vector spaces, orthogonality, determinants, inner products, eigenvalue problems, and linear transformation.

[2] Course Learning Outcomes

On successful completion of the course, student will understand the following topics

1. Solving $Ax = b$ for square systems by elimination
2. Complete solution to $Ax = b$
3. Basis and dimension
4. Properties of determinants
5. Eigenvalues and eigenvectors
6. Symmetric matrices
7. Linear transformations and change of basis

[3] Class Delivery Method

The course will be delivered by blackboard. Important announcements will be made in class as well as through email. Students are encouraged to keep check their email not to miss any class announcements.

ADDITIONS, AMENDMENTS, OR CORRECTIONS TO THIS SYLLABUS MAY BE MADE THROUGHOUT THE SEMESTER VIA IN CLASS ANNOUNCEMENT, HANDOUTS, OR EMAIL.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

TBA(To be Announced)

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Wellesley Cambridge Press	Textbook	Introduction to Linear Algebra, International 4th edition	Issued year
(2)	Author	Publisher	Pearson	Textbook	Linear Algebra and Its Applications (5th Ed.)	Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	- Course orientation - Introduction to Vectors
Second week	- Introduction to Vectors
Third week	Solving Linear Equations
Fourth week	Solving Linear Equations
Fifth week	Vector Spaces and Subspaces
Sixth week	Vector Spaces and Subspaces
Seventh week	Vector Spaces and Subspaces
Eighth week	Midterm and Review
Ninth week	Orthogonality
Tenth week	Determinants
Eleventh week	Determinants
Twelfth week	Eigenvalues and Eigenvectors
Thirteenth week	Eigenvalues and Eigenvectors
Fourteenth week	Linear Transformations
Fifteenth week	Final Exam and Review
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	
	purpose			

The third assignment		
	procedure & notice	
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Dynamics		Course Number	0009437001		
Major / School Year	Dept. of Mechatronics Engineering	/ 1	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 박기원	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI539:목(2)(3),토(2)]		
Office hours			lecture room			

[1] Outline / Purpose

Kinematics of absolute and relative motion of particles and rigid bodies. Kinetics of particles and particle systems. Principles of work and energy, impulse and momentum, and impact. Kinetics of rigid bodies in plane motion.

[2] Course Learning Outcomes

1. Describe and analyze the motion of a point mass
2. Develop and solve the equations of motion for a particle
3. Determine the kinetic and potential energy of a particle and use these to determine the motion
4. Find the momentum and impulse of a particle and describe the relation between them
5. Describe the planar kinematics of rigid bodies
6. Develop and solve the equations of motion for a 2D rigid body
7. Determine the kinetic energy and momentum for a rigid body in planar motion

[3] Class Delivery Method

1. Text and slides
2. Deliver the information with lectures

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	50 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Russell C. Hibbeler	Publisher	Pearson	Textbook	Engineering Mechanics: Dynamics	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Point kinematics–Coordinate systems
Second week	Point kinematics– Joint description
Third week	Point kinematics– Constrained motion
Fourth week	Planar kinematics
Fifth week	Planar kinematics– Instant centers
Sixth week	Moving reference frame kinematics
Seventh week	Moving reference frame kinematics
Eighth week	Midterm exam
Ninth week	Particle kinetics– Newton's law
Tenth week	Particle kinetics– Work and Energy
Eleventh week	Particle kinetics– Linear impulse and momentum
Twelfth week	Particle kinetics– Central impact, Angular impulse and momentum
Thirteenth week	Planar Kinetics – Newton/Euler Equations
Fourteenth week	Planar Kinetics – Work and Energy
Fifteenth week	Planar Kinetics – Impulse–Momentum Equations
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	System Dynamics 1	Course Number	0009449001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:월(8B-9),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course will cover the series of methods to build a mathematical formulation based on the dynamic behaviors of variety of practical systems such as mechanical, electrical, fluid and thermal systems. Students will understand the approaches about how to examine the dynamic phenomena and extract the 2nd order ordinary differential equations from the given practical systems.

[2] Course Learning Outcomes

1. Study the fundamental knowledge to construct the mathematical formulation from the given practical system
2. Understand the basic elements for the relevant systems such as mechanical, electrical, fluid and thermal systems
3. Extend the ability to examine the basic mechanism of the given system based on the analytical formulation

[3] Class Delivery Method

Lecture will be posted on the e-learning center.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	20 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	0 %	0 %	0 %	0 %	0 %	20 %	0 %

[4] Grading Policies

1. Understand the basic mechanism from the given practical systems such as mechanical, electrical, fluid and thermal systems
2. Know the fundamental procedures to construct the mathematical formulations from the given systems
3. Analyze the found ordinary differential equations in terms of state space and transfer functions

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Prentice Hall	Textbook	Modeling and Simulation of Dynamic Systems	Issued year	1997
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	C.M. Close, D.K. Frederick	Publisher	John Wiley & Sons	Textbook	Modeling and Analysis of Dynamic Systems	Issued year	2001
(2)	Author	Ogata	Publisher	Pearson	Textbook	System Dynamics	Issued year	2015
(3)	Author	Giorgio Rizzoni	Publisher	McGraw-Hill	Textbook	Principles and Applications of Electrical Engineering	Issued year	2015
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	* Introduction to Modeling and Simulation – Fundamental concepts of system dynamics – Definitions related to dynamic systems – Modeling of dynamic systems
Second week	* Models for Dynamic Systems and Systems Similarity – Formulation of models for engineering systems – Solution of the differential equations * Modeling of Engineering Systems: Mechanical Systems
Third week	* Modeling of Engineering Systems: Mechanical Systems – Modeling translational system – Examples of translational systems
Fourth week	* Modeling of Engineering Systems: Mechanical Systems – Modeling rotational system – Examples of rotational systems
Fifth week	* Modeling of Engineering Systems: Mechanical Systems – Systems of Combined Translational and Rotational Elements – Examples of combined systems
Sixth week	* Modeling of Engineering Systems: Electrical Systems – Basic concepts and elements – Passive circuit analysis
Seventh week	* Modeling of Engineering Systems: Electrical Systems – Passive circuit analysis – Examples of passive circuits
Eighth week	* Modeling of Engineering Systems: Electrical Systems – Examples of passive circuits – 1st order and 2nd order circuits
Ninth week	* Modeling of Engineering Systems: Electrical Systems – 1st order and 2nd order circuits – Active circuit analysis: basic concepts of op-amp
Tenth week	* Modeling of Engineering Systems: Electrical Systems – Active circuit analysis: Op-amp in the closed-loop models
Eleventh week	* Modeling of Engineering Systems: Electrical Systems – Examples of op-amp circuits – 1st order and 2nd order op-amp circuits
Twelfth week	* Modeling of Engineering Systems: Fluid Systems – Basic concepts and elements – Introduction to the Taylor's expansion
Thirteenth week	* Modeling of Engineering Systems: Fluid Systems – Analysis of fluid systems – Liquid-level systems
Fourteenth week	* Modeling of Engineering Systems: Thermal Systems – Basic concepts and elements – Examples of thermal systems
Fifteenth week	* Modeling of Engineering Systems: Electro-Mechanical Systems – Basic concepts and elements of electric motors – Examples of electro-mechanical systems
Sixteenth week	* Modeling of Engineering Systems: Mixed Discipline Systems – Fluid-mechanical systems – Electro-hydraulic position servo system

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Fluid Mechanics 1	Course Number	0009451001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 차재민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:화(8B-9), 목(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

To understand the behavior of fluids (both liquids and gases) when they are in state of motion (dynamics) or rest (statics).
To study the fundamental laws of applied mechanics used to calculate and predict the behavior of fluids under various forces and different atmospheric conditions.

[2] Course Learning Outcomes

To obtain the ability to mechanically understand and analyze various phenomena related to fluids taking place around human beings.

[3] Class Delivery Method

Teaching theories based on various examples and corresponding mathematical solutions
Student's participation on solving various problems

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	0 %	20 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Exams are broken into Midterm and Final exams.
Assignment involves the review homework after each class.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGraw-Hill Higher Education	Textbook	Fluid Mechanics 8th edition in SI units	Issued year	2015
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	– Introduction to the class – Concept of fluid – Dimensions and Units
Second week	– General characteristics of fluid (1) – General characteristics of fluid (2)
Third week	– Special characteristics of fluid (1) – Special characteristics of fluid (2)
Fourth week	– Fluid statics and pressure field
Fifth week	– Hydrostatic forces on plane surface
Sixth week	– Hydrostatic forces on curved surface
Seventh week	– Buoyancy and Stability – Pressure distribution in rigid-body motion
Eighth week	midterm exam and review
Ninth week	– Fluid dynamics – Bernoulli equation (1)
Tenth week	– Fluid dynamics – Bernoulli equation (2)
Eleventh week	– Fluid dynamics – Bernoulli equation (3)
Twelfth week	– Fluid kinematics
Thirteenth week	– Material derivative – System and Control volume
Fourteenth week	– The Reynolds Transport Theorem
Fifteenth week	– The Reynolds Transport Theorem and Applications
Sixteenth week	final term exam and review

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ELECTROMAGNETIC THEORY	Course Number	EK06075001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 우현명	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:화(5B-6), 수(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers the fundamentals of electromagnetics. First, it will introduce vector analysis, a crucial mathematical tool for understanding electromagnetics. Next, essential theorems for analyzing electric fields will be introduced. This course also covers various properties of the magnetic fields.

[2] Course Learning Outcomes

1. Learn the fundamental theorems for analyzing electric and magnetic fields
2. Understand the physical meaning of theorems for electric and magnetic fields
3. Understand the physical meaning of Maxwell's equations

[3] Class Delivery Method

PPT slides will be available.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Midterm: 35%

Final: 45%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	William H. Hayt, JR	McGraw Hill	Engineering Electromagnetics (9E)	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	David K. Cheng	Prentice Hall	Field and Wave Electromagnetics (2E)	1989
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction and Vector Analysis Suggested reading: Ch. 1.1–Ch.1.4
Second week	Vector analysis and coordinate systems Suggested reading: Ch. 1.5–Ch. 1.9
Third week	Coulomb's law and electric field intensity Suggested reading: Ch. 2
Fourth week	Electric flux density, Gauss's law, and divergence Suggested reading: Ch. 3.1–Ch. 3.3
Fifth week	Gauss's law in differential form and divergence Suggested reading: Ch. 3.4–Ch. 3.6 ** Online makeup class for Gaecheonjeol (Oct. 3, Friday)
Sixth week	Energy and potential Suggested reading: Ch. 4.1–Ch.4.4
Seventh week	Potential gradient and electric dipole Suggested reading: Ch. 4.5–Ch.4.8
Eighth week	Midterm exam
Ninth week	Conductors and dielectrics Suggested reading: Ch. 5
Tenth week	The boundary condition for perfect dielectric materials, Capacitance Suggested reading: Ch. 6
Eleventh week	Steady magnetic field (Biot–Savart law, Amperes circuital law, Stokes theorem) Suggested reading: Ch. 7
Twelfth week	Magnetic forces, Materials, and inductance Suggested reading: Ch. 8
Thirteenth week	Magnetic forces, Materials, and inductance Suggested reading: Ch. 8
Fourteenth week	Time-varying fields and Maxwell's equation Suggested reading: Ch. 9
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MECHANICAL VIBRATIONS	Course Number	EPA6032001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 윤종윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI539:화(7-8A), 목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course will cover the practical issues on the basis of the fundamental knowledge of ordinary differential equations and method of constructing the mathematical models from the given mechanical system. Through this course work, students will get the fundamental knowledge of the vibration field and acquire the relevant factors to reduce the vibrations caused by the dynamic system. This fundamental concepts will be expanded from single-degree-of-freedom systems to multi-degree-of-freedom system on the basis of the modal analysis.

[2] Course Learning Outcomes

1. Acquire the fundamental knowledge about system modeling
2. Understand the basic factors of vibration connected to the system design
3. Understand and explain the dynamic characteristics with respect to the mechanical vibration

[3] Class Delivery Method

Lectures will be posted on the e-learning center.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	20 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
80 %	0 %	0 %	0 %	0 %	0 %	20 %	0 %

[4] Grading Policies

1. Construct the mathematical formulations from the given mechanical system
2. Understand the procedure to solve the mathematical equation with the fundamental concepts of vibration
3. Know the basic process to analyze the multi-degree-of-freedom system using the modal analysis

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	D.J. Inman	Publisher	Pearson Education	Textbook	Engineering Vibration	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	1.1. Introduction to Free Vibration 1.2. Harmonic Motion
Second week	1.2. Harmonic Motion 1.3. Viscous Damping 1.4. Modeling and Energy Methods
Third week	1.2. Harmonic Motion 1.3. Viscous Damping 1.4. Modeling and Energy Methods
Fourth week	1.4. Modeling and Energy Methods 1.5. Stiffness
Fifth week	2.1. Harmonic Excitation of Undamped Systems 2.2. Harmonic Excitation of Damped Systems
Sixth week	2.1. Harmonic Excitation of Undamped Systems 2.2. Harmonic Excitation of Damped
Seventh week	2.1. Harmonic Excitation of Undamped Systems 2.2. Harmonic Excitation of Damped 2.3. Alternative Representation
Eighth week	2.4. Base Excitation 2.5. Rotating Unbalance 2.6. Measurement
Ninth week	2.4. Base Excitation 2.5. Rotating Unbalance 2.6. Measurement 3.1. Impulse Response Function
Tenth week	3.1. Impulse Response Function 3.2. Response to an Arbitrary Input 3.3. Response to an Arbitrary Periodic Input
Eleventh week	3.3. Response to an Arbitrary Periodic Input 3.4. Transform Method 3.5. Response to Random Inputs
Twelfth week	3.5. Response to Random Inputs 3.6. Shock Spectrum 3.7. Measurement via Transfer Functions
Thirteenth week	4.1. Two-Degree-of-Freedom Model (Undamped) 4.2. Eigenvalues and Natural Frequencies
Fourteenth week	4.1. Two-Degree-of-Freedom Model (Undamped) 4.2. Eigenvalues and Natural Frequencies 4.3. Modal Analysis
Fifteenth week	4.2. Eigenvalues and Natural Frequencies 4.3. Modal Analysis
Sixteenth week	4.2. Eigenvalues and Natural Frequencies 4.3. Modal Analysis 4.4. More than Two Degrees of Freedom

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Cell Biotechnology2	Course Number	0010444001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 차재민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ224:월(7-8A),화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course work helps engineers understand the fundamental biological phenomena happening in eukaryotic cells in a molecular level.

[2] Course Learning Outcomes

This course work will provide basic knowledge regarding energy, catalysis, and cellular metabolism to help students understand the relations between thermodynamics and cell metabolisms regarding energy generation and consumption.

[3] Class Delivery Method

English-spoken class

This class will help students understand fundamental background of molecular biology as a course specially designed for engineering students.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Exams are broken into Midterm and Final exams.
Assignment will be given as the review homework after each class.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Bruce Alberts, et. al.	W.W.Norton and Company	Essential Cell Biology fifth edition (International student edition)	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	- Introduction to the class - Brief review of Cell Biotechnology(1)
Second week	- Energy, Catalysis, and Biosynthesis (1)
Third week	- Energy, Catalysis, and Biosynthesis (2)
Fourth week	- Energy, Catalysis, and Biosynthesis (3)
Fifth week	- How cells obtain energy from food (1)
Sixth week	- How cells obtain energy from food (2)
Seventh week	- How cells obtain energy from food (3)
Eighth week	- Midterm exam and review
Ninth week	- Energy generation in Mitochondria (1)
Tenth week	- Energy generation in Mitochondria (2)
Eleventh week	- Energy generation in Mitochondria (3)
Twelfth week	- Energy generation in Mitochondria (4)
Thirteenth week	- Cell communities: Tissues, Stem Cells, and Cancer (1)
Fourteenth week	- Cell communities: Tissues, Stem Cells, and Cancer (2)
Fifteenth week	- Final exam and review
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Mechanics of Materials 2	Course Number	0009453001
Major / School Year	Dept. of Mechatronics Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 한유성	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ224:목(6)(7),토(1)]
Office hours		lecture room	

[1] Outline / Purpose

★ The lectures will be given in the hybrid form of online/offline classes

Prerequisite: Mechanics of materials I (To be successful in this course, students should have knowledge on statics of solid bodies, stress, and the Mohr's circle)

- The course explores fundamental principles of solid mechanics. Topics include structural analysis of mechanical components subject to torsion, bending, and/or combined loadings.

[2] Course Learning Outcomes

On successful completion of this course, a student will be able to understand and apply the principles of equilibrium, constitutive laws, and compatibility of deformation for structural analysis on a deformable solid body under torsion, bending, axial loading, and/or combined loadings.

[3] Class Delivery Method

The course will be delivered by blackboard and powerpoint presentations. Lecture notes will be given to students in advance. It is highly recommended that students read lecture notes and teaching materials ahead to be ready for the lectures. Important announcements will be posted on the class website. Students are encouraged to keep check it not to miss any announcements.

ADDITIONS, AMENDMENTS, OR CORRECTIONS TO THIS SYLLABUS MAY BE MADE THROUGHOUT THE SEMESTER VIA IN CLASS ANNOUNCEMENT, HANDOUTS, OR EMAIL.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Stephen H.Crandall, Norman C Dahl, Thomas J. Lardner, and Dr. M S	Publisher	McGraw Hill	Textbook	An Introduction to Mechanics of Solids (In SI Units) 3rd Edition (ISBN: 9781259072000)	Issued year	2013
-----	--------	-------------------------------------------------------------------	-----------	-------------	----------	------------------------------------------------------------------------------------------	-------------	------

		Sivakumar						
(2)	Author	JAMES M. GERE, BARRY J. GOODNO	Publisher	CL Engineering	Textbook	MECHANICS OF MATERIALS,9th Edition (ISBN: 9781111136024)	Issued year	2011
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Review on statics and some theory of elasticity
Second week	Review on statics and some theory of elasticity
Third week	Strain and Displacement
Fourth week	Stress-strain-temperature relations
Fifth week	Torsion
Sixth week	Torsion
Seventh week	Problem-Solving & Review Sessions
Eighth week	Midterm Exam
Ninth week	Stress due to bending
Tenth week	Stress due to bending
Eleventh week	Stress due to bending
Twelfth week	Deflection due to Bending
Thirteenth week	Deflection due to Bending
Fourteenth week	Buckling
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

	assignment		submission date	
--	------------	--	-----------------	--

The first assignment	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Robotics	Course Number	0001865001
Major / School Year	Dept. of Mechatronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 박기원	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358685	A weekday / class /	[SI539:수(2)(3),목(6)]
Office hours		lecture room	

[1] Outline / Purpose

- Study forward and inverse kinematics, along with differential kinematics
- Examine robots operating in free spaces

[2] Course Learning Outcomes

- Basic knowledge of control systems including feedback and feedforward control
- Dynamics of multi-body systems

[3] Class Delivery Method

- Text and slides
- Deliver the information with lectures
- To lead students to participate in coursework with their own presentations

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Mark W. Spong	Publisher	Wiley	Textbook	Robot modeling and control	Issued year	2006
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Chap. 1. Introduction: Mathematical modeling of robots
Second week	Chap. 1. Introduction: Mathematical modeling of robots
Third week	Chapter 2 Forward Kinematics
Fourth week	Chapter 2 Inverse Kinematics
Fifth week	Chapter 2 Jacobians
Sixth week	Chapter 2 Trajectory Generation
Seventh week	Chapter 2 Serial and Parallel Kinematics
Eighth week	Midterm
Ninth week	Chapter 7 Euler Lagrange Equations of Motion
Tenth week	Chapter 7 Euler Lagrange Equations of Motion
Eleventh week	Chapter 7 Actuator and Sensor Dynamics
Twelfth week	Chapter 7 Properties of Robot Dynamics
Thirteenth week	Chapter 6 Basic Feedback Control
Fourteenth week	Chapter 6 PD, PID Control
Fifteenth week	Chapter 6 Feedback and Feedforward Control
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Biomedical engineering experiment	Course Number	0009454001
Major / School Year	Dept. of Mechatronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 박기원	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY1107:수(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

This course work is designed to provide students with practical experimental experiences regarding bioengineering.

[2] Course Learning Outcomes

Students will gain hands-on experience in various bioengineering experiment skills and learn biological, physical, and chemical factors that affect cellular behaviors. In addition, students will conduct the biomechanics experiments that are widely used in the field of musculoskeletal biomechanics research using motion capture system and force plates.

[3] Class Delivery Method

30% of lecture and 70% of lab work

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the class
Second week	– Understanding mammalian cells and practical application to bioengineering – How to write lab note and discuss experimental results
Third week	– Theoretical background (1)
Fourth week	– Lab work (1)
Fifth week	– Lab work (2)
Sixth week	– Theoretical background (2)
Seventh week	– Lab work (3)
Eighth week	Midterm
Ninth week	– Understand the scope and practice of the field of musculoskeletal biomechanics, both past and present
Tenth week	– Understand the basic experimental facilities and techniques used in the field of musculoskeletal biomechanics research – Learn how to use motion capture system and force plate (1)
Eleventh week	– Learn how to use motion capture system and force plate (2)
Twelfth week	– Experiment design
Thirteenth week	– Perform the actual experiment (1)
Fourteenth week	– Perform the actual experiment (2)
Fifteenth week	– Final report and presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Biomedical engineering experiment	Course Number	0009454002
Major / School Year	Dept. of Mechatronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 차재민	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SJ224:수(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

This course work is designed to provide students with practical experimental experiences regarding bioengineering.

[2] Course Learning Outcomes

Students will gain hands-on experience in various bioengineering experiment skills and learn biological, physical, and chemical factors that affect cellular behaviors. In addition, students will conduct the biomechanics experiments that are widely used in the field of musculoskeletal biomechanics research using motion capture system and force plates.

[3] Class Delivery Method

50% of lecture and 50% of lab work (A half of the classes will be given online by video instruction).

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Students will focus on practical bioengineering experiments as a team
Grading will be based on quality of lab notes and attitude of faithful participation in lab work.

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	– Introduction to the class
Second week	– Diversity of mammalian cells and development – Stem cells and stem cell based–therapies
Third week	– Stem cell bioengineering and bioprocessing
Fourth week	– Bone tissue engineering
Fifth week	– Practical lab work experiences (1) : conventional cell culture
Sixth week	– Practical lab work experiences (2) : Hydrogel encapsulation 3D–cell culture
Seventh week	– Practical lab work experiences (3) : 3D–spheroid cell culture
Eighth week	– Midterm report
Ninth week	– Diversity of mammalian cells and development – Stem cells and stem cell based–therapies
Tenth week	– Stem cell bioengineering and bioprocessing
Eleventh week	– Bone tissue engineering
Twelfth week	– Practical lab work experiences (1) : conventional cell culture
Thirteenth week	– Practical lab work experiences (2) : Hydrogel encapsulation 3D–cell culture
Fourteenth week	– Practical lab work experiences (3) : 3D–spheroid cell culture
Fifteenth week	– Final report
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Finite Element Method		Course Number	0004172001		
Major / School Year	Dept. of Mechatronics Engineering	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 박상인	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SJ224:월(6),화(6)(7)]		
Office hours			lecture room			

[1] Outline / Purpose

Finite element analysis is a high-fidelity numerical analysis tool to solve partial differential equation. This technique has been developed to solve structural problems and it becomes a major analysis tool in mechanical design process. The goal of this course is to provide student with the fundamentals of finite element analysis technique including numerical formulation of various elements, assembling procedure and solving process.

Prerequisite: Mechanics of materials

[2] Course Learning Outcomes

1. Students will demonstrate the ability to set up a proper finite element analysis problem for given mechanical system
2. Students will demonstrate the ability to select proper types of elements to model given mechanical systems
3. Students will demonstrate the ability to solve formulated problems using their own codes and in engineering software

[3] Class Delivery Method

The course will be delivered by blackboard and slides. Lecture notes will be given to students in advance. It is highly recommended that students read lecture notes and teaching materials ahead to be ready for the lectures. Important announcements will be made in class as well as through email. Students are encouraged to keep check their email not to miss any class announcements.

In some lectures, MATLAB coding training session will be provided and homework assignment for writing MATLAB codes will be assigned.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Daryl L. Logan	Publisher	Cengage Learning	Textbook	A first course in the finite element method (Sixth edition)	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	- Introduction
Second week	- Direct stiffness(displacement) method
Third week	- 1D element: Truss element
Fourth week	- 1D element: Truss element
Fifth week	- Assembly and solving
Sixth week	- 1D element: Torsion bar element - 1D element: Beam element
Seventh week	- 1D element: Beam element - 1D element: Beam element in 3D
Eighth week	- 1D element: Beam element in 3D - Mid-term
Ninth week	- Frame element - 2D element: constant strain triangle element
Tenth week	- 2D element: constant strain triangle element - 2D element: Linear strain triangle element
Eleventh week	- 2D element: Linear strain triangle element
Twelfth week	- 2D element: Iso-parametric element
Thirteenth week	- 2D element: Iso-parametric element
Fourteenth week	-3D element
Fifteenth week	- Term-Project presentation
Sixteenth week	- Final

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Material Engineering	Course Number	0008733001
Major / School Year	Dept. of Mechatronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 한유성	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ224:목(4)(5),토(3)]
Office hours		lecture room	

[1] Outline / Purpose

The lectures will be given in the hybrid form of online/Offline classes. The objective of the course is to provide the students with a basic knowledge of engineering materials and their applications in mechanical design.

[2] Course Learning Outcomes

1. The students will have learned how the internal structure of a material (both at the micro and macro levels) controls the mechanical properties.
2. The students will have learned how dislocation motion is responsible for permanent deformation in metals and how the ability to undergo slip influences the mechanical properties of the material.
3. The students will be able to control the mechanical properties of materials through a variety of processes and the implications on materia

[3] Class Delivery Method

The course will be delivered by blackboard and powerpoint presentations. Lecture notes will be given to students in advance. It is highly recommended that students read lecture notes and teaching materials ahead to be ready for the lectures. Important announcements will be posted on the class website. Students are encouraged to keep check it not to miss any announcements.

ADDITIONS, AMENDMENTS, OR CORRECTIONS TO THIS SYLLABUS MAY BE MADE THROUGHOUT THE SEMESTER VIA IN CLASS ANNOUNCEMENT, HANDOUTS, OR EMAIL.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Final Exam: 45%
Term-project Report: 35%
Attendance: 20%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	D.R.H Jones, Michael F Ashby	Publisher	Elsevier	Textbook	ENGINEERING MATERIALS 1	Issued year	
(2)	Author	James F. Shackelford	Publisher	Pearson	Textbook	Introduction to Materials Science for Engineers	Issued year	
(3)	Author	D.R.H Jones, Michael F Ashby	Publisher	Elsevier	Textbook	ENGINEERING MATERIALS 2	Issued year	

[Reference books]

--	--	--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	– Introduction of the course – Bonding between atoms
Second week	– Crystallography
Third week	– Plane/Direction Indices – Strss and Strain
Fourth week	– Hooke's law, Young's Modulus – An elastic behaviors – Stress–Strain curve, tensile strength
Fifth week	Hardness Test, Dislocations, and Yielding
Sixth week	Strengthening mechanism
Seventh week	Oxidation
Eighth week	Leeway & Review session
Ninth week	Plastic flow , Necking
Tenth week	Fracture, energy release rate
Eleventh week	Fatigue failure
Twelfth week	– Metal structure: Phase – Grain and Phase boundaries – Shape of grains and phases
Thirteenth week	– Phase diagrams – One & two phase component systems
Fourteenth week	– Driving force for structural change – Reversibility – Stability
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The third assignment	purpose	
	procedure & notice	
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ELECTRONIC CIRCUITS		Course Number	EBA6017001		
Major / School Year	Dept. of Mechatronics Engineering	/ 3	completion division /Grade evaluation	/		
Department/Professor	Dept. of Mechatronics Engineering	/ 우현명	Grades/Lecture/ Practice	3	/ 3	/ 0
Phone Number			A weekday / class /	[SI539:월(4-5A),금(5B-6)]		
Office hours			lecture room			

[1] Outline / Purpose

This course will cover analysis techniques for microelectronic circuits. To this aim, it will introduce the basic theorems to analyze electric circuits such as Ohm's law and Kirchhoff's law. Next, we will learn the physical properties of semiconductors and devices such as diodes, FET, and BJT. We will focus on the DC and AC analysis of FET and BJT circuits as an amplifier.

[2] Course Learning Outcomes

1. Understand the fundamental laws to analyze microelectronic circuits
2. Understand the physical properties of semiconductors
3. Understand the terminal characteristics of a junction diode.
4. Understand DC and AC characteristics of FET and BJT.

[3] Class Delivery Method

PPT slides will be provided

** NOTE: all lectures will be provided through e-learning and there is no offline class. However, we will have offline midterm and final exams.

(본 강의는 e-learning 을 통한 동영상 시청 수업으로 진행되며, 중간/기말고사는 오프라인으로 진행됩니다.)

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Adel S. Sedra	Publisher	Oxford	Textbook	Microelectronics circuits (8E)	Issued year	2011
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Behzad Razavi	Publisher	Wiley	Textbook	Fundamentals of Microelectronics	Issued year	2013
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction, Review of electric circuits
Second week	Signals and amplifiers (Ch. 1)
Third week	Semiconductor basics and diode (Ch. 3 and Ch. 4) – PN junction and an ideal diode
Fourth week	Semiconductor basics and diode (Ch. 3 and Ch. 4) – Terminal characteristics of junction diode – Forward and reverse bias and rectifier circuits
Fifth week	MOSFETs (Ch. 5) – Device structure and physical
Sixth week	MOSFETs (Ch. 5) – V-I characteristics and DC analysis
Seventh week	MOSFETs (Ch. 5) – V-I characteristics and DC analysis
Eighth week	Midterm exam
Ninth week	MOSFETs (Ch. 5) – Small signal analysis – common source amplifier
Tenth week	MOSFETs (Ch. 5) – Small signal analysis – Common gate and common drain amplifier
Eleventh week	BJT (Ch. 6) – Device structure and physical operation
Twelfth week	BJT (Ch. 6) – V-I characteristics and DC analysis
Thirteenth week	BJT (Ch. 6) – Small signal analysis – common emitter amplifier
Fourteenth week	BJT (Ch. 6) – Small signal analysis – common base and common collector amplifier
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Design Optimization	Course Number	0010076001
Major / School Year	Dept. of Mechatronics Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechatronics Engineering / 박상인	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SJ224:화(8B-9),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

최적설계 기법은 제품의 설계 요구사항을 바탕으로 공학적, 수학적 지식을 기반으로 수학적 함수 최소화 문제로 정식화하여 이를 해결함으로써 최적 성능을 갖는 제품을 설계하는 기법으로 많은 공학영역에서 활용된다. 본 수업의 목적은 최적화 기법을 이해하고, 이를 공학적 설계 문제의 적용하여 해결하는 능력을 배양하는 것이다. 이를 위해, 학생들은 정식화와 수치 기법등을 배우고, 이를 실제 문제에 적용하여 해결하는 과정을 학습한다.

[2] Course Learning Outcomes

1. 최적 설계 문제의 정식화 과정을 이해하고, 적용방법을 습득한다.
2. 비제약 최적 설계 문제를 위한 수치기법을 이해하고 적용방법을 습득한다.
3. 제약 최적 설계 문제를 위한 수치기법을 이해하고 적용방법을 습득한다.
4. Excel, MATLAB등의 소프트웨어를 이용하여 실제 최적설계 문제를 해결하는 방법을 이해하고 습득한다.

[3] Class Delivery Method

강의 자료는 주로 녹화된 PPT로 진행하며 매주 실시간 화상회의를 활용하여 질의 응답 시간을 갖는다. 학기 프로젝트는 학생들의 각자 최적화 하기위한 제품을 정하고 이를 최적화하는 것으로 중간고사와 기말고사 기간중 보고서 또는 발표로 평가한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jasbir Singh Arora	Publisher	Elsevier Korea LLC	Textbook	Introduction to optimum design	Issued year	2016
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	* 최적 설계 입문 - 용어 - 수학적 배경 지식
Second week	* 최적 설계 문제의 정식화 - 설계 변수 - 목적함수 - 제약조건함수 - 표준설계 최적화 모형
Third week	* 도식해법과 기본 최적화 개념
Fourth week	* 최적설계 개념: 최적성 조건
Fifth week	* 최적설계 개념: 최적성 조건
Sixth week	* Excel과 MATLAB을 이용한 최적설계
Seventh week	* 비제약 최적설계의 수치해법 1 - 이론
Eighth week	중간고사 학기 프로젝트 제출 마감
Ninth week	* 비제약 최적설계의 수치해법 2 - 1차원 함수의 최적화 - 거리 탐색
Tenth week	* 비제약 최적설계의 수치해법 3 - 다차원 함수의 최적화 - 방향 탐색
Eleventh week	* 비제약 최적설계의 수치해법 4
Twelfth week	* 제약 최적 설계의 수치해법 1 - 비제약 최적화 기법을 이용한 제약 문제의 최적화
Thirteenth week	* 제약 최적 설계의 수치해법 1 - 선형 계획법
Fourteenth week	* 제약 최적 설계의 수치해법 1 - 선형 계획법 - 순차 선형 계획법
Fifteenth week	* 기말고사 *학기 프로젝트 제출 마감
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	BASIC INFORMATION LABORATORY	Course Number	IAB6059001
Major / School Year	Dept. of Information and Telecommunication Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 이종길	Grades/Lecture/Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SH102:수(1)(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This lab is intended to verify and supplement the basic theory of circuits and electronics. Also several concepts are explored in a simple way for the dual purpose of application and motivation.

[2] Course Learning Outcomes

Students can learn the relations and the differences between theory and practice and also measurement techniques.

[3] Class Delivery Method

The experiments are given to help the student develop intuition and to relate, as much as possible, what is learend or measured to what is perceived through one's senses.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	10 %	0 %	70 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	0 %	40 %	0 %	0 %	0 %	30 %	0 %

[4] Grading Policies

mid-term and final evaluation: 60%

attendance: 20%

assignment: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Tsividis, Yannis	Publisher	Oxford University Press	Textbook	A First Lab in Circuits and Electronics	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Measuring DC voltages and currents
Second week	Simple DC circuits: resistors and resistive sensors
Third week	Generating, observing time-varying signals
Fourth week	Basic characteristics of op amps and comparators
Fifth week	Amplifier design using op amps
Sixth week	RC circuit transients and measurement techniques
Seventh week	Filters, frequency response, and tone control
Eighth week	LC circuits, resonance and transformers
Ninth week	Diodes and their applications
Tenth week	Modulation and radio reception
Eleventh week	MOSFET characteristics and applications
Twelfth week	Principles of amplification
Thirteenth week	Bipolar transistors and amplifiers
Fourteenth week	DC bias and AC amplification
Fifteenth week	Final evaluation
Sixteenth week	

[7] Assignments

The first assignment	assignment	Weekly lab reports: preliminary and results reports	submission date	
	purpose			
	procedure & notice	Weekly lab reports: preliminary and results reports		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	SIGNAL AND SYSTEM		Course Number	IAB6025001		
Major / School Year	Dept. of Information and Telecommunication Engineering / 2		completion division / Grade evaluation	/		
Department/Professor	Dept. of Information and Telecommunication Engineering / 전현채		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number			A weekday / class / lecture room	[SH104:월(2B-3),목(2B-3)]		
Office hours						

[1] Outline / Purpose

In this lecture, following key items that are crucial for electrical / information and telecommunication engineering are studied: 1) features of signals and systems, 2) continuous time and frequency domain analysis, 3) discrete time and frequency domain analysis, 4) Fourier/ Laplace and Z transform.

[2] Course Learning Outcomes

Developing the fundamentals of subjects such as information and communications, signal processing, control and systems, through learning continuous and discrete time and frequency domain analysis of a number of signals and systems

[3] Class Delivery Method

Based on presentation slides, theory oriented lectures are given. Then, practices through Matlab and relevant assignments are followed to improve the understanding.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	10 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	60 %	0 %	0 %	0 %	20 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	A. V. Oppenheim	Publisher	Pearson	Textbook	Signals and Systems (Pearson New International Edition, Second Edition)	Issued year	2014
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	S. Haykin, B.V.	Publisher	Wiley	Textbook	Signal and Systems (2nd Edition)	Issued year	2003
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to CT/DT signals and systems
Second week	LTI system and its properties
Third week	LTI system and its properties
Fourth week	Fourier Series
Fifth week	Fourier Series
Sixth week	CT/DT Fourier Transform
Seventh week	CT/DT Fourier Transform
Eighth week	Midterm Exam
Ninth week	Time and frequency characterization of signals and systems
Tenth week	Sampling
Eleventh week	Sampling
Twelfth week	Laplace transform
Thirteenth week	Laplace transform Z transform
Fourteenth week	Z transform
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	NETWORK THEORY	Course Number	IAB6007001
Major / School Year	Dept. of Information and Telecommunication Engineering / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 전현채	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH406:화(2B-3),목(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

In this lecture, characteristics of electrical components and circuit analysis methods including various transformation techniques are studied.

Through this, students learn and build the capability of analyzing and designing electrical circuits and networks that are fundamental of electrical, information and telecommunication engineering.

This lecture is suitable and recommended for those who already took a class of circuit theory in the previous semester.

[2] Course Learning Outcomes

Understanding and analyzing frequency response and transfer function in circuits and networks.

Learning various transformation methods through which efficient circuit analysis is possible.

[3] Class Delivery Method

After understanding overall concept and main ideas of each chapter through main articles in the text book, students learn details and develop problem solving ability by relevant examples. Then, more chances are given to learn many other applications via assignments.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	80 %	0 %	0 %	0 %	10 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	J. David Irwin	Publisher	Wiley	Textbook	Engineering Circuit Analysis, 11th Edition	Issued year	2015
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	AC Steady-State Analysis (1)
Third week	AC Steady-State Analysis (2)
Fourth week	Steady-State Power Analysis (1)
Fifth week	Steady-State Power Analysis (2)
Sixth week	Magnetically Coupled Networks
Seventh week	Variable Frequency Network Performance(1)
Eighth week	Mid-term Exam
Ninth week	Variable Frequency Network Performance(2)
Tenth week	The Laplace Transform (1)
Eleventh week	The Laplace Transform (2)
Twelfth week	Application of the Laplace Transform to Circuit Analysis (1)
Thirteenth week	Application of the Laplace Transform to Circuit Analysis (2)
Fourteenth week	Fourier Analysis Techniques
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	DIGITAL COMMUNICATIONS	Course Number	IAB6046001
Major / School Year	Dept. of Information and Telecommunication Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 전현채	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH104:화(1-2A),수(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

Studying following topics

- Principles of modern communications
- Baseband digital communication methods
- Passband digital communication methods
- Orthogonal frequency division multiplexing and its applications

[2] Course Learning Outcomes

Understanding of fundamental digital communication theories

[3] Class Delivery Method

Lecture slides

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	10 %	10 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	70 %	0 %	10 %	0 %	10 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
			TBD	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Understanding of digital communications
Second week	Understanding of digital communications
Third week	Signals and systems
Fourth week	Signals and systems, Probability theory
Fifth week	Probability theory, source coding
Sixth week	Baseband digital communications
Seventh week	Baseband digital communications
Eighth week	Mid-term exam
Ninth week	Band-limited channel
Tenth week	Band-limited channel
Eleventh week	Passband digital communications
Twelfth week	Passband digital communications
Thirteenth week	OFDM
Fourteenth week	OFDM
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	DIGITAL COMMUNICATIONS	Course Number	IAB6046002
Major / School Year	Dept. of Information and Telecommunication Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 이병주	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH406:월(7-8A),화(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture aims to understand the overall structure and characteristics of the digital communication system and focuses on the following basic concepts.

- Understand the basic structure of the communication system and how it communicates over the baseband and bandpass
- Identify the characteristics of the communication channel
- Understand considerations for designing an efficient communication system
- Introduction to modulation technologies and recent issues for mobile communications

[2] Course Learning Outcomes

Understanding of fundamental digital communication systems

[3] Class Delivery Method

Lecture slides

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	0 %	10 %	10 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	70 %	0 %	10 %	0 %	10 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	김명진	생능출판사	MATLAB 실습과 함께 배우는 아날로그 및 디지털 통신이론	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Andrea Goldsmith	Cambridge University Press	Wireless Communications	2005
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction and evolution of wireless communication systems
Second week	Channel Capacity
Third week	Wireless Channel Modeling (1)
Fourth week	Wireless Channel Modeling (2)
Fifth week	Digital Modulation (1)
Sixth week	Digital Modulation (2)
Seventh week	Digital Modulation (3)
Eighth week	Midterm Exam
Ninth week	Channel Fading (1)
Tenth week	Channel Fading (2)
Eleventh week	OFDM (1)
Twelfth week	OFDM (2)
Thirteenth week	Next-Generation Wireless Communication Systems (1)
Fourteenth week	Next-Generation Wireless Communication Systems (2)
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MICROWAVE ENGINEERING	Course Number	IAB6024001
Major / School Year	Dept. of Information and Telecommunication Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 이종길	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH104:월(5B-6)] [SH417:화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

무선통신에 관련된 초고주파 신호의 전송 및 증폭 특성 등에 관한 기본적인 개념을 습득하고 전자파의 공중전파 및 전파환경, 마이크로파 응용 시스템에 대하여 알아본다

[2] Course Learning Outcomes

마이크로파 공학에서는 전자파의 공중전파 및 도파관 전파 등에 관한 기본적인 해석 방법 등을 배우게 되며 후반부에서는 이러한 기본이론을 바탕으로 한 고정 및 이동 무선통신 시스템의 활용 예 및 그 특징 등에 관하여 알아본다. 또한 마이크로파 응용 시스템의 무선 송수신부 구성도 및 설계 특성 등에 관하여도 학습한다.

[3] Class Delivery Method

강의를 중심으로 수업을 진행하며 필요에 따라 시험 및 발표를 실시하여 이해 정도를 파악하고 미흡한 부분을 보충한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	10 %	%	%	10 %	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
70 %	20 %	%	%	%	%	%	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	A.W. Scott	Publisher	John Wiley & Sons, INC.	Textbook	Understanding Microwaves	Issued year	2005
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	R.E. Collin	Publisher	McGraw-Hill	Textbook	Foundations for Microwave Engineering	Issued year	1992
(2)	Author	Simon Ramo	Publisher	John Wiley & Sons, INC.	Textbook	Fields and Waves in Communication Electronics	Issued year	1965
(3)	Author	U.L. Rohde	Publisher	John Wiley & Sons, INC.	Textbook	RF/microwave circuit design for wireless applications	Issued year	2000
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to microwaves
Second week	Review of electromagnetic waves, wave characteristics
Third week	microwave power, power measurement
Fourth week	insertion loss, mismatch, s-parameter
Fifth week	Smith chart, matching stubs, quarter-wave transformer
Sixth week	coaxial cable, wave guide, strip line
Seventh week	microwave semiconductors, microwave ferrites, terminations
Eighth week	solid state power amplifiers, field-effect transistors
Ninth week	oscillator principles, electronically tuned oscillators, harmonic multipliers
Tenth week	low-noise transistors, mixers, parametric amplifiers
Eleventh week	microwave integrated circuits, hybrid circuits, microstrip circuit
Twelfth week	tube comparison, klystron, TWT, magnetron
Thirteenth week	arrays, parabolic phased array
Fourteenth week	communication system signals, SN requirement, pulse code modulation
Fifteenth week	antennas, path loss calculation, diversity systems
Sixteenth week	WLAN, satellite communications

[7] Assignments

The first assignment	assignment	Problems for each chapter	submission date	
	purpose	The better understanding of each chapter		
	procedure & notice	Submission of reports for each assignment		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Communication Engineering Lab	Course Number	0010093001
Major / School Year	Dept. of Information and Telecommunication Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 강승택	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SH105:목(1)(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

본 강의를 통해, 이동통신 단말기, 이동통신사업, 중계기 등의 산업군에 진출하기 위해, 아날로그 관점과 디지털 관점의 통신방식들의 기초 및 중급 이해능력, 공학 학부생에 맞춰진 이동통신 장치 사용법을, 안테나와 마이크로파 부품에 의해 발생된 전기자기파와 에너지 전달 메커니즘을 익히도록 한다.

This class learns the basics and intermediate levels of telecommunication methods from analog to digital points of view and how to handle mobile communication equipment adjusted to engineering college undergraduates as well as electromagnetic fields and waves and their propagation by way of antennas and microwave devices in order to be ready to join a variety of domains of mobile handset makers, carriers, BTS, cell-planning, etc.

[2] Course Learning Outcomes

본 수업을 통해, 공학도들이 이전에 배운 통신이론을 더 올리며 CDMA, OFDM, LTE-A, 5G and B5G와 같은 통신방식과 전기자기학, 마이크로파 공학, 안테나 공학의 이론에 대해 실 경험의 기회를 가진다.

This class aims at engineering students revisiting what they've learnt from communication theories and grabbing hands-on experiences of how wireless communication methods(CDMA, OFDM, LTE-A, 5G and B5G) and systems work to link the information giver with her or his communication counterpart banking on electromagnetics, microwave engineering, antennas.

[3] Class Delivery Method

강의 45%, 실습 45%, 토의 및 토론 10%
Lectures 45%, Experiments(Lab) 45%, Discussion 10%

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
45 %	10 %	0 %	45 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	45 %	0 %	10 %	0 %	0 %	45 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	NI	Publisher	Textbook	USRJ Communication Labs	Issued year
(2)	Author	Altair	Publisher	Textbook	FEKO	Issued year
(3)	Author	Altair	Publisher	Textbook	Winprop	Issued year

[Reference books]

(1)	Author		Publisher	Textbook		Issued year
(2)	Author		Publisher	Textbook		Issued year
(3)	Author		Publisher	Textbook		Issued year
(4)	Author		Publisher	Textbook		Issued year
(5)	Author		Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	무선통신 이론: 변조와 복조의 개요 Theories on Wireless Communication: Modulation and Demodulation
Second week	아날로그 변조 이론: AM, FM and PM Theories on Analog Modulation: AM, FM and PM
Third week	아날로그 변조 통신방식의 활용과 장단점 Use-cases of Analog Modulation, and their Pros and Cons(Limits)
Fourth week	펄스와 파형생성: 해석관점 Pulses and Waveform: Analysis and Synthesis(I)
Fifth week	펄스와 파형생성: 합성(발생)관점 Pulses and Waveform: Analysis and Synthesis(II)
Sixth week	디지털 변조이론과 활용: ASK, FSK Theories on Digital Modulation and Test: ASK, FSK
Seventh week	디지털 변조이론과 활용: PSK Theories on Digital Modulation and Test: PSK
Eighth week	중간고사 Mid-terms
Ninth week	CDMA와 OFDM 통신방식 CDMA and OFDM
Tenth week	무선통신 장치(I):FEKO를 활용한 IoT & 5G Sub-6-GHz용 적층기판회로 Wireless Communication Devices(I):PCB Circuits Analyzed by FEKO(IoT & 5G Sub-6-GHz)
Eleventh week	무선통신 장치(II):FEKO를 활용한 5G 밀리미터파용 적층기판회로 Wireless Communication Devices(II):PCB Circuits Analyzed by FEKO(5G Millimetre-wave)
Twelfth week	무선통신 장치(III):FEKO를 활용한 5G 밀리미터파용 도파관 회로 Wireless Communication Devices(III): Waveguide Circuits Analyzed by FEKO(5G Millimetre-wave)
Thirteenth week	무선통신 장치(IV):FEKO를 활용한 위성/국방/항공용 도파관 회로 Wireless Communication Devices(IV): Waveguide Circuits Analyzed by FEKO(Satellite, Defense and Aerospace)
Fourteenth week	전기자기파 전파특성 확인: 가시영역 또는 준가시영역'빌딩이나 물체가 없거나 낮은 경우의 전파' Wave Propagation Test by Wirprop: Line-of-sight or almost LOS
Fifteenth week	전기자기파 전파특성 확인: 비가시영역'빌딩들 높이가 있고 다양각색인 경우의 전파' Wave Propagation Test by Wirprop: Non-Line-of-sight like Urban Channel Modelling
Sixteenth week	기말고사 Finals

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ANTENNA ENGINEERING	Course Number	IAB6081001
Major / School Year	Dept. of Information and Telecommunication Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 강승택	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH104:수(2B-3)] [SH417:화(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

Students learn the concept, kinds, features and physics of antennas as an essential component of any wireless equipment and telecommunication systems along with how to measure their characteristics.

[2] Course Learning Outcomes

Students will secure the ability of understanding the concept, kinds, features and physics of antennas as an essential component of any wireless equipment and telecommunication systems along with how to measure their characteristics.

[3] Class Delivery Method

The class discusses the concept, kinds, features and physics of antennas as an essential component of any wireless equipment and telecommunication systems along with how to measure their characteristics.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Warren L. Stutzmann Garry A. Thiele	Publisher	John Wiley and Sons	Textbook	Antenna Theory and Design	Issued year	
(2)	Author	C. A. Balanis	Publisher	John Wiley & Sons	Textbook	Antenna Designs	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	C. Balanis	Publisher	John Wiley and Sons	Textbook	Antenna Engineering	Issued year	1996
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Antenna Fundamentals and Definitions
Second week	Some Simple Radiating Systems and Antenna Practice
Third week	Arrays
Fourth week	Line Sources
Fifth week	Resonant Antennas: Wires and Patches(including RFID antennas)
Sixth week	Broadband Antennas(Including UWB communication- and multiband antennas)
Seventh week	Aperture Antennas. Antenna Synthesis
Eighth week	Mid-terms
Ninth week	Microstrip Antennas : single patch, parasitic patches, aperture coupled, intennas, multi-mode antennas
Tenth week	Slot or CPW Antennas : single slot, multi-slots, integrateble antennas, multi-mode antennas
Eleventh week	Waveguide antennas and reflector antennas
Twelfth week	Antennas in Systems and Antenna Measurements
Thirteenth week	CEM(Computational ElectroMagnetics) for Antennas: The Method of Moments(including Finite Integration Technique, Modal Analysis, FEM, BEM, FDM)
Fourteenth week	CEM(Computational ElectroMagnetics) for Antennas: Finite Difference Time Domain Method(including FVTD, Lorentz-Debye-Drude Models)
Fifteenth week	CEM(Computational ElectroMagnetics) for Antennas: High-Frequency Methods(PO(Physical Optics), GO(Geometrical Optics), GTD(Geometrical Theory of Diffraction), UTD(Uniform Theory of Diffraction)
Sixteenth week	Finals

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Internet of Things	Course Number	0006837001
Major / School Year	Dept. of Embedded-Systems Engineering / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Embedded-Systems Engineering / 김현범	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SH311:화(1-2A),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

With the fundamental goal of training system design and its application, this course focuses on the below topics.

- Understanding of the wide range of modern and recent network technologies and protocols.
- Applicability of IoT, system design related to IoT based on the study of advanced technique and protocol in smart cities.

[2] Course Learning Outcomes

- Students learn classical/fundamental topics and structures in computer networks.
- Students gain knowledge of several systems, protocols, techniques for IoT.
- Students learn and analyze aspects of various advanced topics and applicable areas for IoT.

[3] Class Delivery Method

This course will be proceeded based on Lecture Notes.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
15 %	0 %	70 %	0 %	0 %	0 %	15 %	0 %

[4] Grading Policies

Midterm Exam: 30%

Final Exam: 30%

Assignments: 20%

Attendance and Participation: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Peterson and Davie	Publisher	Morgan Kaufmann	Textbook	Computer Networks: A Systems Approach (5th edition)	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course review and Introduction of Internetworking (1)
Second week	Course review and Introduction of Internetworking (2)
Third week	Congestion
Fourth week	BGP (Border Gateway Protocol) (1)
Fifth week	BGP (Border Gateway Protocol) (2)
Sixth week	P2P (Peer to Peer) System, MPLS
Seventh week	Network Security
Eighth week	Midterm Exam
Ninth week	IoT System and Sensor Coverage Application, Multicast, DVMRP (Distance Vector Multicast Routing Protocol) , MOSPF (Multicast Open Shortest Path First) (1)
Tenth week	Barrier Applicability in Smart Cities, DVMRP (Distance Vector Multicast Routing Protocol), MOSPF (Multicast Open Shortest Path First) (2)
Eleventh week	Promising Topics in Advanced Smart Cities, Inter-domain Multicast Routing, PIM (Protocol Independent Multicast)
Twelfth week	Smart UAV-Enabled Applications and Detection Issues,Ad Hoc Network and Sensor Network Applications (1)
Thirteenth week	Virtual Emotion-based Systems and Research Issues,Ad Hoc Network and Sensor Network Applications (2)
Fourteenth week	DSR, AODV
Fifteenth week	Final Exam
Sixteenth week	Oct. 3rd Class(on Legal Holiday) will be replaced with Online Lecture.

[7] Assignments

The first assignment	assignment	To be posted	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Principles of Economies	Course Number	JA06047001
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO203:월(4-5A),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The economic theory is a powerful tool to analyze the real world. During this semester, students will learn the basic theory and concepts of principles of economics. At the end of the semester, students should be able to define the primary concepts, models, and economic analysis. In addition, formulate problems and solutions in economic language.

[2] Course Learning Outcomes

This course will be based on the fundamental theories and concepts of Economics.
- Main analytical tools used in economics

[3] Class Delivery Method

The main part of this course will be based on my lecture. However, to comprehend and understand my lecture, students will need to read all the assigned chapters accordingly.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	10 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook	Principles of Economics 9th edition	Issued year	2020
(1)	N. Gregory Mankiv	Cengage Learning		Textbook		Issued year	
(2)				Textbook		Issued year	
(3)				Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook	맨큐의 경제학 9th edition	Issued year	2021
(1)	Mankiw, 김경환, 김종석	Cengage Learning		Textbook		Issued year	
(2)				Textbook		Issued year	
(3)				Textbook		Issued year	
(4)				Textbook		Issued year	
(5)				Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and Overview
Second week	Chapter 1: Ten Principles of Economics
Third week	Chapter 2: Thinking Like an Economist
Fourth week	Chapter 3: Interdependence and Gains from Trade – HBR Case Summary: Nike Vs. New Balance: Trade Policy in a World of Global Value Chains
Fifth week	Chapter 4: The Market Forces of Supply and Demand – HBR Case Summary: Metabical: Pricing, Packaging, and Demand Forecasting for a New Weigh-Loss Drug
Sixth week	Chapter 5: Elasticity and its Application (I) – HBR Case Summary: India Shedding Tears Over Onion Prices
Seventh week	Chapter 5: Elasticity and its Application (II)
Eighth week	Midterm Exam
Ninth week	Chapter 6: Supply, Demand, and Government Policies (I) – HBR Case Summary: California Water Pricing
Tenth week	Chapter 6: Supply, Demand, and Government Policies (II) – HBR Case Summary: Liquor Tax Reform in Thailand: Competing Interests and Objectives
Eleventh week	Chapter 7: Consumers, Producers, and Efficiency of Markets
Twelfth week	Chapter 8: The Costs of Taxation
Thirteenth week	Final Team Presentation
Fourteenth week	Final Team Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Principles of Economies	Course Number	JA06047002
Major / School Year	Division of Business Administration / 1	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO203:월(5B-6),금(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

The economic theory is a powerful tool to analyze the real world. During this semester, students will learn the basic theory and concepts of principles of economics. At the end of the semester, students should be able to define the primary concepts, models, and economic analysis. In addition, formulate problems and solutions in economic lanaguage.

[2] Course Learning Outcomes

This course will be based on the fundamental theories and concepts on Economics.
- Main analytical tools used in economics

[3] Class Delivery Method

The main part of this course will be based on my lecture. However, in order to comprehend and understand my lecutre, students will need to read all the assigned chapters accordingly. There will also be group presenations relevant to the course during the semester.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	10 %	0 %	0 %	0 %	0 %

㉞ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	N. Gregory Mankiv	Publisher	Cengage Learning	Textbook	Principles of Economics 9th edition	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Mankiw, 김경환, 김종석	Publisher	Cengage Learning	Textbook	맨큐의 경제학 9th edition	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction and Overview
Second week	Chapter 1: Ten Principles of Economics
Third week	Chapter 2: Thinking Like an Economist
Fourth week	Chapter 3: Interdependence and Gains from Trade
Fifth week	Chapter 4: The Market Forces of Supply and Demand
Sixth week	Chapter 5: Elasticity and its Application
Seventh week	Chapter 6; Supply, Demand, and Government Policies
Eighth week	Midterm Exam
Ninth week	Chapter 7: Consumers, Producers, and Efficiency of Markets
Tenth week	Chapter 8: The Costs of Taxation
Eleventh week	Chapter 13: The Costs of Production
Twelfth week	Chapter 14: Firms in Competitive Markets
Thirteenth week	Final Powerpoint Presentation
Fourteenth week	Final Powerpoint Presentation
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL MANAGEMENT	Course Number	JA06005002
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO202:화(7-8A)] [SO203:월(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in international business. The essential content of the course includes:

1. an overview of the means of conducting international business, with an emphasis on what makes international different from domestic;
2. the effects of the social systems within countries on the conduct of international business;
3. the major theories explaining international business transactions and the institutions influencing those activities;
4. the financial exchange systems and institutions that measure and facilitate international transactions;
5. the dynamic interface between countries and companies attempting to conduct foreign business activities;
6. corporate strategy alternatives for global operations; and
7. international activities that fall largely within functional disciplines.

[2] Course Learning Outcomes

1. Understand the different challenges businesses face when they operate in an international environment.
2. Examine the various cultural, political, and legal issues that impact international business activity.
3. Examine the international institutions and practices that impact international business.
4. Understand trade and investment theory, foreign exchange, and the determination of foreign exchange rates.
5. Appreciate the interaction of business and government as they relate to international commerce.
6. Develop insight into the management implications of international business strategy and operations.

[3] Class Delivery Method

Each week a new chapter will be lectured. For each week, I advise that students to read the assigned chapter before entering into the classroom for better understanding of the materials.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	%	30 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	80 %	%	10 %	%	%	10 %

[4] Grading Policies

Attendance and Participation: 20%

Case Questions: 20%

Midterm: 30%

Final: 30%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Charles W. L. Hill, G. Tomas M. Hult	McGraw-Hill	International Business: Competing in the Global Marketplace	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	최순규, 신형덕	HS Media Publishing & Agency	International Business	2011 0822
(2)				
(3)				
(4)				

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Introduction and course overview (Zoom Class for this week only)
Second week	Chapter 1: Globalization (I)
Third week	Chapter 1: Globalization (II)
Fourth week	Chapter 2: National Differences in Political Economy (I)
Fifth week	Chapter 2: National Differences in Political Economy (II)
Sixth week	Chapter 3: Differences in Culture (I)
Seventh week	Chapter 3: Differences in Culture (I)
Eighth week	Midterm Exam
Ninth week	Chapter 4: Ethics in International Theory (I)
Tenth week	Chapter 4: Ethics in International Theory (II)
Eleventh week	Chapter 5: International Trade Theory
Twelfth week	Chapter 7: Foreign Direct Investment
Thirteenth week	Chapter 12: The Strategy of International Business (I)
Fourteenth week	Chapter 12: The Strategy of International Business (II)
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL MANAGEMENT	Course Number	JA06005003
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO507:화(8B-9),수(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This is an introductory course in international business. The essential content of the course includes:

1. an overview of the means of conducting international business, with an emphasis on what makes international different from domestic;
2. the effects of the social systems within countries on the conduct of international business;
3. the major theories explaining international business transactions and the institutions influencing those activities;
4. the financial exchange systems and institutions that measure and facilitate international transactions;
5. the dynamic interface between countries and companies attempting to conduct foreign business activities;
6. corporate strategy alternatives for global operations; and
7. international activities that fall largely within functional disciplines.

[2] Course Learning Outcomes

1. Understand the different challenges businesses face when they operate in an international environment.
2. Examine the various cultural, political, and legal issues that impact international business activity.
3. Examine the international institutions and practices that impact international business.
4. Understand trade and investment theory, foreign exchange, and the determination of foreign exchange rates.
5. Appreciate the interaction of business and government as they relate to international commerce.
6. Develop insight into the management implications of international business strategy and operations.

[3] Class Delivery Method

Each week a new chapter will be lectured. For each week, I advise that students to read the assigned chapter before entering into the classroom for better understanding of the materials.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	%	30 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	80 %	%	10 %	%	%	10 %

[4] Grading Policies

Attendance and Participation: 20%

Case Questions: 20%

Midterm: 30%

Final: 30%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Charles W. L. Hill, G. Tomas M. Hult	McGraw-Hill	International Business: Competing in the Global Marketplace	2019
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	최순규, 신형덕	HS Media Publishing & Agency	International Business	2011 0822
(2)				
(3)				
(4)				

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Introduction and course overview (Zoom Class for this week only)
Second week	Chapter 1: Globalization (I)
Third week	Chapter 1: Globalization (II)
Fourth week	Chapter 2: National Differences in Political Economy (I)
Fifth week	Chapter 2: National Differences in Political Economy (II)
Sixth week	Chapter 3: Differences in Culture (I)
Seventh week	Chapter 3: Differences in Culture (I)
Eighth week	Midterm Exam
Ninth week	Chapter 4: Ethics in International Theory (I)
Tenth week	Chapter 4: Ethics in International Theory (II)
Eleventh week	Chapter 5: International Trade Theory
Twelfth week	Chapter 7: Foreign Direct Investment
Thirteenth week	Chapter 12: The Strategy of International Business (I)
Fourteenth week	Chapter 12: The Strategy of International Business (II)
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CONSUMER BEHAVIOR ANALYSIS	Course Number	JA06010001
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김영균	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	8718	A weekday / class /	[SO203:수(7-8A),목(7-8A)]
Office hours	by appointment	lecture room	

[1] Outline / Purpose

The course introduces a wide range of behavioral concepts, and explores the strategic implications of customer behavior for marketers. The course challenges students to explore the realities and implications of buyer behavior in traditional and e-commerce markets. Key to the course is demonstrating how an understanding of buyer behavior can help to improve strategic decision making.

[2] Course Learning Outcomes

- To gain an understanding of the theories and concepts of buyer behavior
- To apply buyer behavior concepts to what customers do in "the real world"
- To improve skills in the research and analysis of customer segments, demand, and market potential
- To utilize knowledge of buyer behavior to enhance strategic decision making

[3] Class Delivery Method

To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting.

Active participation is great part of your grade. You will get extra points by participating class action including

- (1) asking questions, (2) answering questions raised by the instructor, (3) responding to other students comments, etc.
- (4) Bringing relevant articles or other materials to class that illustrate some of the things you have learned in the course. These articles or materials must be accompanied by a short, professionally written, summary (less than one page). Be sure to put your name in the top, right-hand corner, last name first.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	20 %	%	%	%	%	%	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	%	60 %	%	10 %	%	%	%

[4] Grading Policies

"To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting.

Midterm / Final : 60%

Group Presentation : 25%

Merit Points(class) : 15%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kades et al	Publisher	Cengage	Textbook	Consumer behavior	Issued year	2014
(2)	Author	Young Kim	Publisher	Doonam	Textbook	Consumer Behavior	Issued year	2014
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

--	--	--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Marketing concept
Second week	Consumer behavior Smart trend
Third week	Consumer Segmentation and Positioning
Fourth week	Overview of Decision Making Process
Fifth week	Consumer Evaluation Process and Choice
Sixth week	Consumer Perception and Attention
Seventh week	Persuasion: Attitude and judgement
Eighth week	Mid term exam
Ninth week	Affection Motivation Elaboration
Tenth week	Learning its role Memory
Eleventh week	Information processing
Twelfth week	Personality and Self concept and its role in Consumer Behavior
Thirteenth week	Values and Culture
Fourteenth week	Persuasion through Social Influence
Fifteenth week	Overview of various perspectives
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Group Presentation	submission date	
	purpose	Enhancing communication skill		
	procedure & notice			
	references	Will be announced		
The second assignment	assignment	Individual Project of making profit	submission date	
	purpose	Coming up with start up idea		
	procedure & notice			
	references	Will be announced		
			submission	

The third assignment	assignment	Participation of Survey	date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CONSUMER BEHAVIOR ANALYSIS	Course Number	JA06010002
Major / School Year	Division of Business Administration / 2	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김영균	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	8718	A weekday / class /	[SO203:수(8B-9),목(4-5A)]
Office hours	by appointment	lecture room	

[1] Outline / Purpose

The course introduces a wide range of behavioral concepts, and explores the strategic implications of customer behavior for marketers. The course challenges students to explore the realities and implications of buyer behavior in traditional and e-commerce markets. Key to the course is demonstrating how an understanding of buyer behavior can help to improve strategic decision making.

[2] Course Learning Outcomes

- To gain an understanding of the theories and concepts of buyer behavior
- To apply buyer behavior concepts to what customers do in "the real world"
- To improve skills in the research and analysis of customer segments, demand, and market potential
- To utilize knowledge of buyer behavior to enhance strategic decision making

[3] Class Delivery Method

To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting.

Active participation is great part of your grade. You will get extra points by participating class action including

- (1) asking questions, (2) answering questions raised by the instructor, (3) responding to other students comments, etc.
- (4) Bringing relevant articles or other materials to class that illustrate some of the things you have learned in the course. These articles or materials must be accompanied by a short, professionally written, summary (less than one page). Be sure to put your name in the top, right-hand corner, last name first.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	20 %	%	%	%	%	%	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	%	60 %	%	10 %	%	%	%

[4] Grading Policies

"To accomplish these objectives, the course material will be presented, and evaluations done through (1) Videos and Lectures, (2) In-class discussions/team assignments(depending on the number of students), (3) Case analysis, (4) Two Exams and (5) a short research paper. The lectures will tend to supplement and advance the required readings, in-class discussions, and case analysis.

It is the responsibility of the student to do the required readings and assignments prior to the class meeting.

Midterm / Final : 60%

Group Presentation : 25%

Merit Points(class) : 15%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kades et al	Publisher	Cengage	Textbook	Consumer behavior	Issued year	2014
(2)	Author	Young Kim	Publisher	Doonam	Textbook	Consumer Behavior	Issued year	2014
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

--	--	--	--	--	--	--	--	--

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Marketing concept
Second week	Consumer behavior Smart trend
Third week	Consumer Segmentation and Positioning
Fourth week	Overview of Decision Making Process
Fifth week	Consumer Evaluation Process and Choice
Sixth week	Consumer Perception and Attention
Seventh week	Persuasion: Attitude and judgement
Eighth week	Mid term exam
Ninth week	Affection Motivation Elaboration
Tenth week	Learning its role Memory
Eleventh week	Information processing
Twelfth week	Personality and Self concept and its role in Consumer Behavior
Thirteenth week	Values and Culture
Fourteenth week	Persuasion through Social Influence
Fifteenth week	Overview of various perspectives
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Group Presentation	submission date	
	purpose	Enhancing communication skill		
	procedure & notice			
	references	Will be announced		
The second assignment	assignment	Individual Project of making profit	submission date	
	purpose	Coming up with start up idea		
	procedure & notice			
	references	Will be announced		
			submission	

The third assignment	assignment	Participation of Survey	date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL MARKETING	Course Number	JA06025001
Major / School Year	Division of Business Administration / 3	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 허승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO202:수(7-8A)] [SO507:목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course intends to serve as an introduction to international marketing through exploring various ideas of marketing in global environments.

[2] Course Learning Outcomes

From this course, you will learn how to overcome diverse challenges in global markets and successfully introduce new products, design price schemes, communicate product values, and distribute products through intermediaries in markets in different countries, all of which require deep understanding of various types of customers in related markets.

[3] Class Delivery Method

This is a blended course and there will be both online and offline classes. Details will be provided later.

ASSIGNMENTS : Post-session surveys (Individual), Global Repositioning Project (Group)

EXAMS : There will be 2 closed book exams which consist of multiple-choice questions. The questions will test the concepts and knowledge presented in class.

GUEST LECTURE : A guest speaker who has sufficient professional experience in the field of international marketing will visit our classroom to talk about actual marketing decisions and answer any questions you might have. More details including the schedule of the lecture will be provided later.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson	Textbook	Global Marketing, 9th edition	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Introduction The Marketing Concept
Second week	Introduction to Global Marketing The Global Economic Environment
Third week	The Global Trade Environment Social and Cultural Environments
Fourth week	The Political, Legal, and Regulatory Environments Global Information Systems and Market Research
Fifth week	Segmentation, Targeting, and Positioning
Sixth week	Importing, Exporting, and Sourcing Global Market-Entry Strategies
Seventh week	Guest Lecture
Eighth week	Midterm Exam
Ninth week	Midterm Review Brand and Product Decisions
Tenth week	Pricing Decisions Global Marketing Channels
Eleventh week	Global Marketing Communications 1 Global Marketing Communications 2
Twelfth week	Global Marketing and the Digital Revolution Strategic Elements of Competitive Advantage
Thirteenth week	Leadership, Organization, and CSR Case analysis
Fourteenth week	Group Presentations
Fifteenth week	Group Presentations
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL MARKETING	Course Number	JA06025002
Major / School Year	Division of Business Administration / 3	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 허승	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO202:수(8B-9)] [SO507:목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

This course intends to serve as an introduction to international marketing through exploring various ideas of marketing in global environments.

[2] Course Learning Outcomes

From this course, you will learn how to overcome diverse challenges in global markets and successfully introduce new products, design price schemes, communicate product values, and distribute products through intermediaries in markets in different countries, all of which require deep understanding of various types of customers in related markets.

[3] Class Delivery Method

This is a blended course and there will be both online and offline classes. Details will be provided later.

ASSIGNMENTS : Post-session surveys (Individual), Global Repositioning Project (Group)

EXAMS : There will be 2 closed book exams which consist of multiple-choice questions. The questions will test the concepts and knowledge presented in class.

GUEST LECTURE : A guest speaker who has sufficient professional experience in the field of international marketing will visit our classroom to talk about actual marketing decisions and answer any questions you might have. More details including the schedule of the lecture will be provided later.

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson	Textbook	Global Marketing, 9th edition	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook		Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Introduction The Marketing Concept
Second week	Introduction to Global Marketing The Global Economic Environment
Third week	The Global Trade Environment Social and Cultural Environments
Fourth week	The Political, Legal, and Regulatory Environments Global Information Systems and Market Research
Fifth week	Segmentation, Targeting, and Positioning
Sixth week	Importing, Exporting, and Sourcing Global Market-Entry Strategies
Seventh week	Guest Lecture
Eighth week	Midterm Exam
Ninth week	Midterm Review Brand and Product Decisions
Tenth week	Pricing Decisions Global Marketing Channels
Eleventh week	Global Marketing Communications 1 Global Marketing Communications 2
Twelfth week	Global Marketing and the Digital Revolution Strategic Elements of Competitive Advantage
Thirteenth week	Leadership, Organization, and CSR Case analysis
Fourteenth week	Group Presentations
Fifteenth week	Group Presentations
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Management Science Seminar	Course Number	0010934001
Major / School Year	Division of Business Administration / 4	completion division /Grade evaluation	/
Department/Professor	Division of Business Administration / 김태호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO203:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Students learn various quantitative methodologies to solve business problems by using computer software.

[2] Course Learning Outcomes

Student should solve the problems coming from all kinds of business activities through quantitative methodologies.

[3] Class Delivery Method

- 45% offline lecture
- 55% metaverse-based online real-time lecture (adjustable)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	0 %	20 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	25 %	0 %	0 %	0 %	55 %	0 %

[4] Grading Policies

Absolute evaluation

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Pre-prepared material by professor	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Optimization I
Third week	Optimization II
Fourth week	Linear programming I
Fifth week	Linear programming II
Sixth week	Linear programming III
Seventh week	Linear programming IV
Eighth week	Linear programming V
Ninth week	Integer programming I
Tenth week	Exam
Eleventh week	Integer programming II
Twelfth week	Integer programming III
Thirteenth week	Markov process I
Fourteenth week	Markov process II
Fifteenth week	Markov process III
Sixteenth week	

[7] Assignments

The first assignment	assignment	3 problem solving assignments	submission date	
	purpose			
	procedure & notice	Professor uploads a list of questions on each topic of class on LMS, students download it, solve the questions, and submit a report before due.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Principles of Economies	Course Number	JA06047005
Major / School Year	Dept. of Tax & Accounting / 1	completion division / Grade evaluation	/
Department/Professor	Division of Business Administration / 박현준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class / lecture room	[SY3103:월(7-8A)] [ZZ200:수(2B-3)]
Office hours			

[1] Outline / Purpose

The economic theory is a powerful tool to analyze the real world. During this semester, students will learn the basic theory and concepts of principles of economics. At the end of the semester, students should be able to define the primary concepts, models, and economic analysis. In addition, formulate problems and solutions in economic language.

[2] Course Learning Outcomes

This course will be based on the fundamental theories and concepts of Economics.
- Main analytical tools used in economics

[3] Class Delivery Method

The main part of this course will be based on my lecture. However, to comprehend and understand my lecture, students will need to read all the assigned chapters accordingly.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	10 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	90 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	N. Gregory Mankiv	Cengage Learning	Principles of Economics 9th edition	2020
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Mankiw, 김경환, 김종석	Cengage Learning	맨큐의 경제학 9th edition	2021
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction and Overview
Second week	Chapter 1: Ten Principles of Economics
Third week	Chapter 2: Thinking Like an Economist – Chapter 2: One-Page Summary (English or Korean)
Fourth week	Chapter 3: Interdependence and Gains from Trade – HBR Case Summary: Nike Vs. New Balance: Trade Policy in a World of Global Value Chains – Chapter 3: One-Page Summary (English or Korean)
Fifth week	Chapter 4: The Market Forces of Supply and Demand – HBR Case Summary: Metabical: Pricing, Packaging, and Demand Forecasting for a New Weigh-Loss Drug – Chapter 4: One-Page Summary (English or Korean)
Sixth week	Chapter 5: Elasticity and its Application (I) – HBR Case Summary: India Shedding Tears Over Onion Prices – Chapter 5: One-Page Summary (English or Korean)
Seventh week	Chapter 5: Elasticity and its Application (II)
Eighth week	Midterm Exam
Ninth week	Chapter 6: Supply, Demand, and Government Policies (I) – HBR Case Summary: California Water Pricing – Chapter 6: One-Page Summary (English or Korean)
Tenth week	Chapter 6: Supply, Demand, and Government Policies (II) – HBR Case Summary: Liquor Tax Reform in Thailand: Competing Interests and Objectives
Eleventh week	Chapter 7: Consumers, Producers, and Efficiency of Markets
Twelfth week	Chapter 8: The Costs of Taxation
Thirteenth week	Chapter 13: The Costs of Production
Fourteenth week	Chapter 14: Firms in Competitive Markets
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Advanced Managerial Accounting	Course Number	0001561001
Major / School Year	Dept. of Tax & Accounting / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Tax & Accounting / 조중래	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358727	A weekday / class /	[SY3207:수(1-2A)(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to help students understand advanced managerial accounting issues and apply those understandings to real world decision makings. It also covers review for the tests of professional certificates.

[2] Course Learning Outcomes

The aim of this course is:

- (1) to understand advanced managerial accounting issues,
- (2) to apply those understandings to real world decision makings, and
- (3) to prepare for the tests of professional certificates.

[3] Class Delivery Method

This course consists of lectures, problem solvings, case discussions, and class presentations.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	%	%	10 %	10 %	%	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
30 %	%	%	%	%	%	50 %	20 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Hornrgren etc.	Publisher	Pearson Education	Textbook	Cost Accounting - A Managerial Emphasis (14E)	Issued year	2012
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Orientation
Second week	Ch3 Cost–Volume–Profit Analysis
Third week	CVP Analysis Discussions
Fourth week	Ch6 Master Budget and Responsibility Accounting
Fifth week	Ch7 Flexible Budgets, Direct–Cost Variances, and Management Control
Sixth week	Ch8 Flexible Budgets, Overhead Cost Variances, and Management Control
Seventh week	Ch11 Decision Making and Relevant Information
Eighth week	Mid–term
Ninth week	Ch19 Balanced Scorecard: Quality, Time, and the Theory of Constraints
Tenth week	Ch12 Pricing Decisions and Cost Management
Eleventh week	Ch20 Inventory Management, Just–in–Time, and Simplified Costing Methods
Twelfth week	Ch23 Performance Measurement, Compensation, and Multinational Considerations
Thirteenth week	Ch22 Management Control System, Transfer Pricing, and Multinational Considerations
Fourteenth week	Class Presentations
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment	To be announced	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Contemporary Art Seminar2Post Modernism	Course Number	0010974001
Major / School Year	Major of Painting / 2	completion division /Grade evaluation	/
Department/Professor	School of Fine Arts / 권순학	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ107:월(5)(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

This seminar/art practice class aims for students to actively participate in discussions and presentations of discourses in Contemporary art. This develops critical views on the social role of contemporary artists and cultural studies.

[2] Course Learning Outcomes

Students would strengthen their critical ability as an artist, curators and cultural-related careers by understanding the historical context and trends in the field of art.

[3] Class Delivery Method

Students would prepare presentations and experience contemporary art discourse through discussion and application to their practice. Also, this class would aim for practical education of theory and art practice, which could be utilized in the real world.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	월 곰퍼츠	알에이치코리아	발칙한 현대미술사	2012
(2)	메리 앤 스타니스제프스키	현실문화	이것은 미술이 아니다	2011
(3)	조주연	글항아리	현대미술 강의 : 순수 미술의 탄생과 죽음	2017

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction to the class
Second week	Introduction to Avant-garde/Post-modernism
Third week	Seminar: Avant-garde 1 European avant-garde before the war
Fourth week	Art practice
Fifth week	Crit
Sixth week	Seminar: Avant-garde 2 - American avant-garde after the war
Seventh week	Art practice
Eighth week	Crit
Ninth week	Seminar: Postmodernism Part 1 Post Minimalism
Tenth week	Art practice
Eleventh week	Crit
Twelfth week	Seminar: Post Modernism Part 2 - Post Pop
Thirteenth week	Art practice
Fourteenth week	Crit
Fifteenth week	Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	presentation	submission date	2022-09-19 Mon
	purpose	seminar		
	procedure & notice	After selecting an artist who fits the context of the class, research and makes a presentation		
	references			
The second assignment	assignment	Art practice	submission date	2023-12-11 Mon
	purpose	현대미술의 흐름에 부합하는 작품의 형식과 내용을 실험한다		
	procedure & notice	The keywords appearing in each seminar are interpreted in a modern way to visualize the idea of adapting to contemporary art.		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Mixed Media	Course Number	0010977001
Major / School Year	Major of Painting / 3	completion division / Grade evaluation	/
Department/Professor	School of Fine Arts / 권순학	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ106:화(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

This class aims to cultivate the ability to interpret art and culture while and utilize this knowledge to appreciate and provide a creative and critical perspective on contemporary cultural and artistic aspects within modern society. Additionally, it aims to bridge the gap between the general public and contemporary art, approaching it through familiar mediums and narrowing the divide between high culture and everyday life.

[2] Course Learning Outcomes

This interdisciplinary art class explores the fusion of various art forms, aiming to go beyond the limits of creativity and expression by integrating painting (the primary subject) with other mediums. The photography and media class allows students to acquire general knowledge about photography and videography, enabling them to independently capture photos relevant to their daily lives or significant subjects. Moreover, it encourages students to experiment with the expansiveness of photography based on imaginative thinking and blend it with other media, attempting to create new art forms.

[3] Class Delivery Method

The course will include autonomous discussions, individual and group practices, and exhibition observations. In the early part of the semester, the class will explore various expressive visual arts mediums, including painting, aiming to internalize and embody them. The course will be conducted both online and offline simultaneously.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	마이클 윌스	Publisher	마로니에북스	Textbook	한 권으로 읽는 현대미술	Issued year	2017
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션(강의방향 및 수업진행방식 등 소개)
Second week	작품 구상 현대미술에서 다양한 매체의 종류와 방법론
Third week	작품 구상 및 계획
Fourth week	사진 / 영상 기초
Fifth week	매체연구작품 및 작가탐구 1
Sixth week	매체연구작품 및 작가탐구 1
Seventh week	중간평가
Eighth week	crit
Ninth week	매체연구작품 및 작가탐구 3
Tenth week	매체연구작품 및 작가탐구 4
Eleventh week	개별 작업 진행 발표
Twelfth week	개별 작업 진행 발표
Thirteenth week	개별 작업 진행 발표
Fourteenth week	최종 결과물 평가
Fifteenth week	최종 결과물 평가
Sixteenth week	

[7] Assignments

The first assignment	assignment	중간 평가	submission date	2023-10-17 Tue
	purpose			
	procedure & notice	창의적인 구상과 계획에 주안점을 두어 평가		
	references			
The second assignment	assignment	최종평가	submission date	2023-12-12 Tue
	purpose			
	procedure & notice	복합적인 완성도를 평가		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Design Culture and History	Course Number	0005996001
Major / School Year	Division of Design / 1	completion division / Grade evaluation	/
Department/Professor	Division of Design / 김시연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2404A:화(3),목(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

This is an english theory class on the history of design.
The class aims to look through the flow of design culture to understand the current state of design.

[2] Course Learning Outcomes

To understand design terms according to its period and culture frame.

[3] Class Delivery Method

lecture, presentation

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Philip B. Meggs	Publisher		Textbook	History of graphic design	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	락시미 바스카란	Publisher		Textbook	한 권으로 읽는 20세기 디자인	Issued year	
(2)	Author	최경원	Publisher		Textbook	20세기 위대한 디자이너 10인의 삶과 열정	Issued year	
(3)	Author	김상규, 최경원, 강현주, 김진경	Publisher		Textbook	디자이너 열전	Issued year	
(4)	Author	헬렌 암스트롱	Publisher		Textbook	그래픽 디자인 이론	Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Research Presentation / Beginning of graphic design
Third week	Research Presentation / Arts and Crafts movement, Art Nouveau
Fourth week	Thanksgiving Day / Industrial revolution and visual communication
Fifth week	Research Presentation / Dadaism, Constructivism
Sixth week	Research Presentation / Bauhaus
Seventh week	Research Presentation / Mid-Term Exam preparation study
Eighth week	Mid-term Examination / Swiss International Style
Ninth week	Entrance Examination Day (No Class) / Graphic design in the USA
Tenth week	Research Presentation / Postmodern design
Eleventh week	Research Presentation / Identity program and visual system
Twelfth week	Research Presentation / Contemporary graphic design and digital present
Thirteenth week	Research Presentation / Research Presentation
Fourteenth week	Research Presentation / Final Exam preparation study
Fifteenth week	Final Examination
Sixteenth week	

[7] Assignments

The first assignment	assignment	design research	submission date	
	purpose			
	procedure & notice	design research presentation		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Design Culture and History	Course Number	0005996002
Major / School Year	Division of Design / 1	completion division /Grade evaluation	/
Department/Professor	Division of Design / 김시연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2404A:화(2),목(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

This is an english theory class on the history of design.
The class aims to look through the flow of design culture to understand the current state of design.

[2] Course Learning Outcomes

To understand design terms according to its period and culture frame.

[3] Class Delivery Method

lecture, presentation

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Philip B. Meggs	Publisher		Textbook	History of graphic design	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	락시미 바스카란	Publisher		Textbook	한 권으로 읽는 20세기 디자인	Issued year	
(2)	Author	최경원	Publisher		Textbook	20세기 위대한 디자이너 10인의 삶과 열정	Issued year	
(3)	Author	김상규, 최경원, 강현주, 김진경	Publisher		Textbook	디자이너 열전	Issued year	
(4)	Author	헬렌 암스트롱	Publisher		Textbook	그래픽 디자인 이론	Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Research Presentation / Beginning of graphic design
Third week	Research Presentation / Arts and Crafts movement, Art Nouveau
Fourth week	Thanksgiving Day / Industrial revolution and visual communication
Fifth week	Research Presentation / Dadaism, Constructivism
Sixth week	Research Presentation / Bauhaus
Seventh week	Research Presentation / Mid-Term Exam preparation study
Eighth week	Mid-term Examination / Swiss International Style
Ninth week	Entrance Examination Day (No Class) / Graphic design in the USA
Tenth week	Research Presentation / Postmodern design
Eleventh week	Research Presentation / Identity program and visual system
Twelfth week	Research Presentation / Contemporary graphic design and digital present
Thirteenth week	Research Presentation / Research Presentation
Fourteenth week	Research Presentation / Final Exam preparation study
Fifteenth week	Final Examination
Sixteenth week	

[7] Assignments

The first assignment	assignment	design research	submission date	
	purpose			
	procedure & notice	design research presentation		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Product Design Methodology	Course Number	0010589001
Major / School Year	Division of Design / 1	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ215:목(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

On the basis of understanding and practicing product design methodology (product design concept, process, method & tool), students demonstrate a basic level of product design.

[2] Course Learning Outcomes

- 1) To demonstrate the basic level of product design in understanding product design methodology (product design concept, process, method & tool).
- 2) To demonstrate the basic level of product design in practicing product design methodology (product design concept, process, method & tool).
- 3) To demonstrate the advanced level of product design in developing a target product.

[3] Class Delivery Method

- 1) To understand a theory & knowledge
- 2) To understand examples
- 3) To apply the theory & knowledge → Assignments

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- 1) Midterm Assignment: 40%
- 2) Final Assignment: 60%

Product Design Process

- Stage 0: Preliminary Research: 5%
- Stage 1: Opportunity Identification - Design Problem: 30%
- Stage 2: Idea Generation - Design Solution: 30%
- Stage 3: Requirements List: 5%
- Stage 4: Concept Design & Design Optimisation: 30%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	PowerPoint Slides & Tool Box	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
	Author		Publisher		Textbook		Issued year	

(5)								
-----	--	--	--	--	--	--	--	--

[Other books]

[6] Weekly lesson plans

First week	Course Introduction – Course Structure, Course Proceeding & Project (Assignment)
Second week	Stage 0: Preliminary Research
Third week	Stage 1 (Opportunity Identification) – Market-driven 1 Design
Fourth week	Stage 1 (Opportunity Identification) – User-driven Design
Fifth week	Stage 1 (Opportunity Identification) – Aesthetic-driven Design
Sixth week	Stage 1 (Opportunity Identification) – Engineering-driven Design
Seventh week	Stage 1 (Opportunity Identification) – Market-driven 2 Design – Concurrent Collaborative Design
Eighth week	Stage 2 (Idea Generation) – User-driven Design
Ninth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Tenth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Eleventh week	Stage 2 (Idea Generation) – Engineering-driven Design
	Stage 2 (Idea Generation) – Market-driven 2 Design Stage 2 (Idea Generation) – Concurrent Collaborative Design
Twelfth week	Stage 3 (Requirements List)
Thirteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fourteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fifteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Sixteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling

[7] Assignments

The first assignment	assignment	A basic Level of Product Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Product Design Methodology	Course Number	0010589002
Major / School Year	Division of Design / 1	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ215:화(4)(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

On the basis of understanding and practicing product design methodology (product design concept, process, method & tool), students demonstrate a basic of product design.

[2] Course Learning Outcomes

- 1) To demonstrate the basic level of product design in understanding product design methodology (product design concept, process, method & tool).
- 2) To demonstrate the basic level of product design in practicing product design methodology (product design concept, process, method & tool).
- 3) To demonstrate the basic level of product design in developing a target product.

[3] Class Delivery Method

- 1) To understand a theory & knowledge
- 2) To understand examples
- 3) To apply the theory & knowledge → Assignments

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- 1) Midterm Assignment: 40%
- 2) Final Assignment: 60%

Product Design Process

- Stage 0: Preliminary Research: 5%
- Stage 1: Opportunity Identification - Design Problem: 30%
- Stage 2: Idea Generation - Design Solution: 30: %
- Stage 3: Requirements List: 5%
- Stage 4: Concept Design & Design Optimisation: 30%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	PowerPoint Slides & Tool Box	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
	Author		Publisher		Textbook		Issued year	

(5)								
-----	--	--	--	--	--	--	--	--

[Other books]

[6] Weekly lesson plans

First week	Course Introduction – Course Structure, Course Proceeding & Project (Assignment)
Second week	Stage 0: Preliminary Research
Third week	Stage 1 (Opportunity Identification) – Market-driven 1 Design
Fourth week	Stage 1 (Opportunity Identification) – User-driven Design
Fifth week	Stage 1 (Opportunity Identification) – Aesthetic-driven Design
Sixth week	Stage 1 (Opportunity Identification) – Engineering-driven Design
Seventh week	Stage 1 (Opportunity Identification) – Market-driven 2 Design – Concurrent Collaborative Design
Eighth week	Stage 2 (Idea Generation) – User-driven Design
Ninth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Tenth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Eleventh week	Stage 2 (Idea Generation) – Engineering-driven Design
	Stage 2 (Idea Generation) – Market-driven 2 Design Stage 2 (Idea Generation) – Concurrent Collaborative Design
Twelfth week	Stage 3 (Requirements List)
Thirteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fourteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fifteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Sixteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling

[7] Assignments

The first assignment	assignment	A basic Level of Product Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Entertainment Contents	Course Number	0010994001
Major / School Year	Division of Design / 2	completion division /Grade evaluation	/
Department/Professor	Division of Design / 이운형	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2206:월(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers the characteristics of digital media contents. Students learn the theories about game planning and visualization. Based on this theories, each student plan the worldview and scenario of the game in digital media including mobile. Also they practice visualizing ideas such as designing characters and environments in the game. Through these design practices, this course focusing on cultivating the ability to create digital media contents from a convergence point of view.

[2] Course Learning Outcomes

Based on understanding of digital media and entertainment contents, problem-solving and design skills are cultivated through training in creative thinking and visual expression of games.

[3] Class Delivery Method

- Lectures, design practices, tutorials
- The use of Photoshop and Illustrator is required. Other design tools such as 3D can be used according to each student's preference.
- A.I creation tools can be used such as ChatGPT, Midjourney, and Stable Diffusion.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

- Attendance 20%
- Assignment 70%
- Attitude 10%

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	* Course overview, orientation
Second week	* Introduction to digital entertainment contents and game design
Third week	* History of video game, game design trends
Fourth week	* Project 1 : Mobile game – Understanding mobile games and pixel art style
Fifth week	* Project 1 : Mobile game – Tutorial
Sixth week	* Project 1 : Mobile game – Tutorial
Seventh week	* Project 1 : Mobile game – Tutorial
Eighth week	* Mid-term presentation
Ninth week	* Project 2 : MMORPG or casual game – Theme, storytelling
Tenth week	* Project 2 : MMORPG or casual game – Tutorial
Eleventh week	* Project 2 : MMORPG or casual game – Character design
Twelfth week	* Project 2 : MMORPG or casual game – Tutorial
Thirteenth week	* Project 2 : MMORPG or casual game – Tutorial
Fourteenth week	* Project 2 : MMORPG or casual game – Tutorial
Fifteenth week	* Final presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Entertainment Contents	Course Number	0010994002
Major / School Year	Division of Design / 2	completion division /Grade evaluation	/
Department/Professor	Division of Design / 이운형	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2206:목(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course covers the characteristics of digital media contents. Students learn the theories about game planning and visualization. Based on this theories, each student plan the worldview and scenario of the game in digital media including mobile. Also they practice visualizing ideas such as designing characters and environments in the game. Through these design practices, this course focusing on cultivating the ability to create digital media contents from a convergence point of view.

[2] Course Learning Outcomes

Based on understanding of digital media and entertainment contents, problem-solving and design skills are cultivated through training in creative thinking and visual expression of games.

[3] Class Delivery Method

- Lectures, design practices, tutorials
- The use of Photoshop and Illustrator is required. Other design tools such as 3D can be used according to each student's preference.
- A.I creation tools can be used such as ChatGPT, Midjourney, and Stable Diffusion.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

- Attendance 20%
- Assignment 70%
- Attitude 10%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	* Course overview, orientation
Second week	* Introduction to digital entertainment contents and game design
Third week	* History of video game, game design trends
Fourth week	* Project 1 : Mobile game – Understanding mobile games and pixel art style
Fifth week	* Project 1 : Mobile game – Tutorial
Sixth week	* Project 1 : Mobile game – Tutorial
Seventh week	* Project 1 : Mobile game – Tutorial
Eighth week	* Mid-term presentation
Ninth week	* Project 2 : MMORPG or casual game – Theme, storytelling
Tenth week	* Project 2 : MMORPG or casual game – Tutorial
Eleventh week	* Project 2 : MMORPG or casual game – Character design
Twelfth week	* Project 2 : MMORPG or casual game – Tutorial
Thirteenth week	* Project 2 : MMORPG or casual game – Tutorial
Fourteenth week	* Project 2 : MMORPG or casual game – Tutorial
Fifteenth week	* Final presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Image Production	Course Number	0002535001
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 김수현	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ215:월(5)(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

Digital Image Production is for understanding and practicing the process of the digital filmmaking. This course is an introductory course to making digital film and Video. It is focused on students can engage in each aspect of the digital filmmaking process—from page to pre-production/production, editing, sound and screening.

[2] Course Learning Outcomes

Understanding the necessary of the making digital film, which is scenario, shoot, edit and sound, students create their own video aesthetics individually.

[3] Class Delivery Method

- 1) Lectures
- 2) Practice and Exercise : Students practice directly through topic-specific tasks that can improve understanding of the topic.
- 3) Individual Tutorial : 2nd and 3rd assignment are individual projects.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	30 %	30 %	0 %	10 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	70 %	30 %

[4] Grading Policies

Exam 60% : 1st Assignment 10%, 2nd Assignment 25%, 3rd Assignment 25%
 - 2nd and 3rd Assignment are Individual Project

Attendance 20%

Assignment 20% : small assignments

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Cengage Learning; 8th edition	Textbook	Sight, Sound, Motion: Applied Media Aesthetics 8th Edition	Issued year	2016
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	1) Class Orientation 2) Pipeline Digital Film Production
Second week	Understanding of Shot and Screen – Making Storyboard and Previz
Third week	Sound and Editing – 15 sec Commercial Film for Movie
Fourth week	Lighting and Color in Film – Interview Film
Fifth week	Text to Image Project _ Exercise 1 : scenario and shoot
Sixth week	Watching film in Cinema (Hangul Day Holiday)
Seventh week	Text to Image Project _ Exercise 2 : shoot and Edit
Eighth week	Screening : Text to Image Project
Ninth week	1) Digital video Contents 2) Presentation of Band Commercial film
Tenth week	Exercise 1 : Scenario
Eleventh week	Exercise 2 : Previz
Twelfth week	Exercise 3 : Shoot
Thirteenth week	Exercise 4 : Edit
Fourteenth week	Exercise 5 : Sound
Fifteenth week	Screening :Band Commercial Film
Sixteenth week	

[7] Assignments

The first assignment	assignment	Report	submission date	2023-10-16 Mon
	purpose	Experience watching film in Cinema		
	procedure & notice	Submit film ticket, picture and report.		
	references			
The second assignment	assignment	Text to Image Project	submission date	2023-10-23 Mon
	purpose	Create video image from text.		
	procedure & notice	It is team work but individual project. 1 team consists of 4~5 students. They take turns as Film directors.		
	references			
The third assignment	assignment	Band Commercial film	submission date	2023-12-11 Mon
	purpose	Create student own video aesthetics		
	procedure & notice	Students create a brand which is their imagination. They make video contents of the brand for 2 type of video. One is for Social media and another is for Television commercial film		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Image Production	Course Number	0002535002
Major / School Year	Division of Design / 2	completion division /Grade evaluation	/
Department/Professor	Division of Design / 김수현	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ215:월(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

Digital Image Production is for understanding and practicing the process of the digital filmmaking. This course is an introductory course to making digital film and Video. It is focused on students can engage in each aspect of the digital filmmaking process—from page to pre-production/production, editing, sound and screening.

[2] Course Learning Outcomes

Understanding the necessary of the making digital film, which is scenario, shoot, edit and sound, students create their own video aesthetics individually.

[3] Class Delivery Method

- 1) Lectures
- 2) Practice and Exercise : Students practice directly through topic-specific tasks that can improve understanding of the topic.
- 3) Individual Tutorial : 2nd and 3rd assignment are individual projects.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	30 %	30 %	0 %	10 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	70 %	30 %

[4] Grading Policies

Exam 60% : 1st Assignment 10%, 2nd Assignment 25%, 3rd Assignment 25%
 - 2nd and 3rd Assignment are Individual Project

Attendance 20%

Assignment 20% : small assignments

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Cengage Learning; 8th edition	Textbook	Sight, Sound, Motion: Applied Media Aesthetics 8th Edition	Issued year	2016
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	1) Class Orientation 2) Pipeline Digital Film Production
Second week	Understanding of Shot and Screen – Making Storyboard and Previz
Third week	Sound and Editing – 15 sec Commercial Film for Movie
Fourth week	Lighting and Color in Film – Interview Film
Fifth week	Text to Image Project _ Exercise 1 : scenario and shoot
Sixth week	Watching film in Cinema (Hangul Day Holiday)
Seventh week	Text to Image Project _ Exercise 2 : shoot and Edit
Eighth week	Screening : Text to Image Project
Ninth week	1) Digital video Contents 2) Presentation of Band Commercial film
Tenth week	Exercise 1 : Scenario
Eleventh week	Exercise 2 : Previz
Twelfth week	Exercise 3 : Shoot
Thirteenth week	Exercise 4 : Edit
Fourteenth week	Exercise 5 : Sound
Fifteenth week	Screening :Band Commercial Film
Sixteenth week	

[7] Assignments

The first assignment	assignment	Report	submission date	2023-10-16 Mon
	purpose	Experience watching film in Cinema		
	procedure & notice	Submit film ticket, picture and report.		
	references			
The second assignment	assignment	Text to Image Project	submission date	2023-10-23 Mon
	purpose	Create video image from text.		
	procedure & notice	It is team work but individual project. 1 team consists of 4~5 students. They take turns as Film directors.		
	references			
The third assignment	assignment	Band Commercial film	submission date	2023-12-11 Mon
	purpose	Create student own video aesthetics		
	procedure & notice	Students create a brand which is their imagination. They make video contents of the brand for 2 type of video. One is for Social media and another is for Television commercial film		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Motion Illustration	Course Number	0009500001
Major / School Year	Division of Design / 2	completion division /Grade evaluation	/
Department/Professor	Division of Design / 한혜진	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ212:화(4)(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

This class is about the foundation for video production through making illustrations.

[2] Course Learning Outcomes

In this class, students can learn the design elements for making illustrations and improve the ability to write a story for a short animation.

[3] Class Delivery Method

Making illustrations through storytelling
 Understanding design elements of Illustrations
 Creating a short animation by creating illustrations

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Hans P. Bacher	Publisher	Laurence King Pub	Textbook	Vision : Color and Composition for Film	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Brainstorming for <Motion Poster of Public Safty Design>
Third week	Idea Sketch for <Motion Poster of Public Safty Design>
Fourth week	Production 1 for <Motion Poster of Public Safty Design>
Fifth week	Production 2 for <Motion Poster of Public Safty Design>
Sixth week	Preparation 1 of Exhibition for <Motion Poster of Public Safty Design>
Seventh week	Preparation 2 of Exhibition for <Motion Poster of Public Safty Design>
Eighth week	Midterm Exam
Ninth week	Exhibition DK Korea
Tenth week	Brainstorming for <Motion Poster>
Eleventh week	Idea Sketch 1 for <Short Animation>
Twelfth week	Production 1 for <Short Animation>
Thirteenth week	Production 2 for <Short Animation>
Fourteenth week	Post Production for <Short Animation>
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Motion Poster of Public Safty Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Short Animation	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Evidence based Product Design	Course Number	0010590001
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:목(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

On the basis of understanding and practicing product design methodology (product design concept, process, method & tool), students demonstrate an intermediate level of product design.

[2] Course Learning Outcomes

- 1) To demonstrate the intermediate level of product design in understanding product design methodology (product design concept, process, method & tool).
- 2) To demonstrate the intermediate level of product design in practicing product design methodology (product design concept, process, method & tool).
- 3) To demonstrate the intermediate level of product design in developing a target product.

[3] Class Delivery Method

- 1) To understand a theory & knowledge
- 2) To understand examples
- 3) To apply the theory & knowledge → Assignments

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- 1) Midterm Assignment: 40%
- 2) Final Assignment: 60%

Product Design Process

- Stage 0: Preliminary Research: 5%
- Stage 1: Opportunity Identification - Design Problem: 30%
- Stage 2: Idea Generation - Design Solution: 30: %
- Stage 3: Requirements List: 5%
- Stage 4: Concept Design & Design Optimisation: 30%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	PowerPoint Slides & Tool Box	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
	Author		Publisher		Textbook		Issued year	

(5)								
-----	--	--	--	--	--	--	--	--

[Other books]

[6] Weekly lesson plans

First week	Course Introduction – Course Structure, Course Proceeding & Project (Assignment)
Second week	Stage 0: Preliminary Research
Third week	Stage 1 (Opportunity Identification) – Market-driven 1 Design
Fourth week	Stage 1 (Opportunity Identification) – User-driven Design
Fifth week	Stage 1 (Opportunity Identification) – Aesthetic-driven Design
Sixth week	Stage 1 (Opportunity Identification) – Engineering-driven Design
Seventh week	Stage 1 (Opportunity Identification) – Market-driven 2 Design – Concurrent Collaborative Design
Eighth week	Stage 2 (Idea Generation) – User-driven Design
Ninth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Tenth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Eleventh week	Stage 2 (Idea Generation) – Engineering-driven Design
	Stage 2 (Idea Generation) – Market-driven 2 Design Stage 2 (Idea Generation) – Concurrent Collaborative Design
Twelfth week	Stage 3 (Requirements List)
Thirteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fourteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fifteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Sixteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling

[7] Assignments

The first assignment	assignment	An intermediate Level of Product Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Evidence based Product Design	Course Number	0010590002
Major / School Year	Division of Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Design / 박동명	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:월(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

On the basis of understanding and practicing product design methodology (product design concept, process, method & tool), students demonstrate an intermediate level of product design.

[2] Course Learning Outcomes

- 1) To demonstrate the intermediate level of product design in understanding product design methodology (product design concept, process, method & tool).
- 2) To demonstrate the intermediate level of product design in practicing product design methodology (product design concept, process, method & tool).
- 3) To demonstrate the intermediate level of product design in developing a target product.

[3] Class Delivery Method

- 1) To understand a theory & knowledge
- 2) To understand examples
- 3) To apply the theory & knowledge → Assignments

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

- 1) Midterm Assignment: 40%
- 2) Final Assignment: 60%

Product Design Process

- Stage 0: Preliminary Research: 5%
- Stage 1: Opportunity Identification - Design Problem: 30%
- Stage 2: Idea Generation - Design Solution: 30: %
- Stage 3: Requirements List: 5%
- Stage 4: Concept Design & Design Optimisation: 30%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dongmyung Park	Publisher		Textbook	PowerPoint Slides & Tool Box	Issued year	2023
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
	Author		Publisher		Textbook		Issued year	

(5)								
-----	--	--	--	--	--	--	--	--

[Other books]

[6] Weekly lesson plans

First week	Course Introduction – Course Structure, Course Proceeding & Project (Assignment)
Second week	Stage 0: Preliminary Research
Third week	Stage 1 (Opportunity Identification) – Market-driven 1 Design
Fourth week	Stage 1 (Opportunity Identification) – User-driven Design
Fifth week	Stage 1 (Opportunity Identification) – Aesthetic-driven Design
Sixth week	Stage 1 (Opportunity Identification) – Engineering-driven Design
Seventh week	Stage 1 (Opportunity Identification) – Market-driven 2 Design – Concurrent Collaborative Design
Eighth week	Stage 2 (Idea Generation) – User-driven Design
Ninth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Tenth week	Stage 2 (Idea Generation) – Aesthetic-driven Design
Eleventh week	Stage 2 (Idea Generation) – Engineering-driven Design
	Stage 2 (Idea Generation) – Market-driven 2 Design Stage 2 (Idea Generation) – Concurrent Collaborative Design
Twelfth week	Stage 3 (Requirements List)
Thirteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fourteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Fifteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling
Sixteenth week	Stage 4 (Concept Design & Design Optimisation) – Design Styling

[7] Assignments

The first assignment	assignment	An intermediate Level of Product Design	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Narrative Image	Course Number	0010999001
Major / School Year	Division of Design / 3	completion division / Grade evaluation	/
Department/Professor	Division of Design / 김수현	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ215:수(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

Narrative Image is understanding how to use 3D Computer Graphics in Film and Game Production. This course is necessary to use 3D CG.

The Second and Third Assignments are One Project. Students create their cinematic universe to make films related to the topic of Public Safety. The Second Assignment is a Visual Image of the universe. The Third Assignment is more specific explaining and showing the universe which students create.

[2] Course Learning Outcomes

Students make video with 3D CG and create their own video aesthetics individually.

[3] Class Delivery Method

- 1) Lectures
- 2) Practice and Exercise : Students practice directly through topic-specific tasks that can improve understanding of the topic.
- 3) Individual Tutorial : 2nd and 3rd assignment are individual projects.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	0 %	0 %	40 %	30 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	70 %	30 %

[4] Grading Policies

Exam 60 % = 1st Assignment 10%, 2nd Assignment 25%, 3rd Assignment 25%

Attendance 20 %

Assignment 20% : small assignment

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jeremy Birn	Publisher	New Riders Pub: 2nd edition	Textbook	Digital Lighting And Rendering 2nd Edition	Issued year	2006
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Class Orientation – Understanding 3D CG workflow
Second week	3D CG Modeling
Third week	3D CG Texture –Bump, Normal, Displacement map
Fourth week	3D CG Lighting and Rendering
Fifth week	Linear Workflow – Presentation of Public Safety Project
Sixth week	3D CG Camera and Matte Painting – Camera animation – 3D camera Projection
Seventh week	Exercise 01 – Compositing 2D and 3D CG
Eighth week	Exercise 02 – 3D Printing for Exhibition
Ninth week	Screening : Public Safety Project – Prepare Exhibition
Tenth week	Workshop 01 – Organic Modeling
Eleventh week	Workshop 02 – HDRI
Twelfth week	Exercise 03
Thirteenth week	Exercise 04
Fourteenth week	Exercise 05
Fifteenth week	Screening : Final Project
Sixteenth week	

[7] Assignments

The first assignment	assignment	Linear Workflow	submission date	2023-10-04 Wed
	purpose	Understanding Linear Workflow and what is a real color on screen.		
	procedure & notice	Submit paper A4 1~2 pages		
	references			
The second assignment	assignment	Public Safety	submission date	2023-11-01 Wed
	purpose	Create landscape image using 3D CG and how to compositing 2D and 3D CG		
	procedure & notice	This is individual and team work. 1 film consists of 3~5 students' works. Every students create their own film individually. Collection 3~5 students' works		
	references			
The third assignment	assignment	Final Project	submission date	2023-12-13 Wed
	purpose	Create landscape image using 3D CG and how to compositing 2D and 3D CG		
	procedure & notice	It continues the second assignment.		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design	Course Number	0007332001
Major / School Year	Division of Design / 3	completion division /Grade evaluation	/
Department/Professor	Division of Design / 안혜신	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2402:월(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

Capstone Design is a culminating course offered to undergraduate students in several disciplines. Students work in teams to design, build, and test prototypes with real world applications. Student teams design and build working, physical prototypes to validate their solutions. By working in teams they develop leadership skills and group dynamics; dealing with scheduling conflicts, meeting weekly deliverables and deadlines; and communication among team members, project sponsors, and course instructors.

[2] Course Learning Outcomes

The Capstone Design course provides students the opportunity to work with real-world, open-ended, interdisciplinary challenges proposed by industrial and research project sponsors. They learn and apply the design process: defining functional requirements, conceptualization, analysis, identifying risks and countermeasures, selection, and physical prototyping.

[3] Class Delivery Method

Team project, 3d modeling work, evaluation by project sponsor company

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	30 %	%	50 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	100 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Ulrich, Karl T.	Publisher	한울	Textbook	제품개발론	Issued year	2004
(2)	Author	라우라 슬랙	Publisher	디자인리서치앤플래닝	Textbook	제품디자인이란 무엇인가?	Issued year	2013
(3)	Author	Dressehaus, Bill	Publisher	안그래픽스	Textbook	Return on innovation	Issued year	2004

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction – class orientation
Second week	Company Presentation – Design scope, target user, product, related technology
Third week	Understanding – analyzing market, products and technology
Fourth week	Analysis of competitor products
Fifth week	User research I – Learn first-hand about people and contexts of use
Sixth week	User research II – Learn first-hand about people and contexts of use
Seventh week	Design concept – Translating research insights into opportunities for design
Eighth week	1st idea sketch – Creating visible and tangible experiences
Ninth week	Presentation
Tenth week	2nd idea sketch – Creating visible and tangible experiences
Eleventh week	Detail drawing
Twelfth week	CMF, Graphic
Thirteenth week	dummy model study
Fourteenth week	3D modeling
Fifteenth week	Modifying 3D modeling
Sixteenth week	Final presentation

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Capstone Design	Course Number	0007332002
Major / School Year	Division of Design / 3	completion division / Grade evaluation	/
Department/Professor	Division of Design / 한혜진	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ215:수(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

In this class, students produce the production process of video design for the <Public Safety Design> required by the industry. It is part of a comprehensive design curriculum program that supports the development of practical skills, teamwork, and leadership.

The purpose of this course is to learn the entire design process by suggesting ideas for <Public Safety Design>.

[2] Course Learning Outcomes

From the basic idea of each team's task given in this class, each production stage of the video is implemented to the final result. The goal of the class is to develop students' ability to operate a video design process for problem solving and to seek career paths.

[3] Class Delivery Method

In this class, the results of <Public Safety Design> completed through pre-production, production, and post-production of video design are practiced until exhibition and presentation.

Team project, 3d modeling work, evaluation by project sponsor company

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance Grade: 20 out of 20 points (Article 56 Paragraph 2 of the Enforcement Rules of School Regulations) 1/3 point deduction for 1 hour absence in general subjects (3 credits) 1 point deduction for 3 hours absence

Attendance 20%, class attitude 20%

-60% of assignments (practical skills, presentations, reports)

All practical assignments are assessed at a rate of 50% course and 50% outcome

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Brainstorming for <Project 1 for Public Safty Design>
Third week	Storyboard 1 for <Project 1 for Public Safty Design>
Fourth week	Storyboard 2 for <Project 1 for Public Safty Design>
Fifth week	Production 1 for <Project 1 for Public Safty Design>
Sixth week	Production 2 for <Project 1 for Public Safty Design>
Seventh week	Post Production 1 for <Project 1 for Public Safty Design>
Eighth week	Post Production 2 for <Project 1 for Public Safty Design>
Ninth week	Midterm Exam
Tenth week	Brainstorming for <Project 2>
Eleventh week	Storyboard for <Project 2>
Twelfth week	Production 1 for <Project 2>
Thirteenth week	Production 2 for <Project 2>
Fourteenth week	Post Production for <Project 2>
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Midterm Project 1	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Final Project 2	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Creative Design	Course Number	0011001001
Major / School Year	Division of Design / 3	completion division /Grade evaluation	/
Department/Professor	Division of Design / 이서진	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2203:월(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

시각디자인 프로젝트를 개인별로 계획하고 그에 따른 여러가지 프로젝트들을 체계적으로 작업하는 수업이다.

[2] Course Learning Outcomes

디자인 컨셉을 다양한 방식으로 시각화시키는 과정을 연구하고 실습하는 수업이다.

[3] Class Delivery Method

주제에 대한 표현방법과 분야를 기획하여 브랜드 확장의 다양한 방법들을 실험하고 이에 대해 발전 방향에 대한 토론과 의견을 나누어 발전시킨다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
20 %	20 %	60 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Eleen Lupton	Publisher	Cooper Hewitt	Textbook	Design is storytelling	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	프로젝트 1: 나만의 영문 폰트 만들기 주제 및 계획 프리젠테이션 1 - 전체 (ppt 발표 준비)
Third week	개별 발표 및 피드백 - 주제에 따른 세부사항 논의 및 아이디어 스케치 검사
Fourth week	시각프로젝트 진행 - 디자인 진행
Fifth week	시각프로젝트 진행 - 디자인 진행
Sixth week	시각프로젝트 진행 - 프로모션 방법 설정 및 작업
Seventh week	시각프로젝트 진행 - 프로모션 방법 설정 및 작업
Eighth week	중간 평가
Ninth week	프로젝트 2: 사회적 주제와 디자인 주제 및 계획 프리젠테이션 1 - 전체 (ppt 발표 준비)
Tenth week	개별 발표 및 피드백 - 주제에 따른 세부사항 논의 및 아이디어 스케치 검사
Eleventh week	시각프로젝트 진행 - 디자인 진행
Twelfth week	시각프로젝트 진행 - 디자인 진행
Thirteenth week	시각프로젝트 진행 - 프로모션 방법 설정 및 작업
Fourteenth week	시각프로젝트 진행 - 프로모션 방법 설정 및 작업
Fifteenth week	기말 평가
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Convergence Media Design	Course Number	0010476001
Major / School Year	Division of Design / 4	completion division / Grade evaluation	/
Department/Professor	Division of Design / 이운형	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2206:수(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

This course is for students who prepare graduation exhibition 2023, INU division of design. Students will learn design professionalism as professional designers as well as media design skills.

[2] Course Learning Outcomes

To develop individual skills of media design for successful graduation exhibition and getting a job

[3] Class Delivery Method

* 온라인 혼합형 수업으로 졸업전시를 지도하는 수업 전반기는 대면수업, 개인 포트폴리오를 제작하는 후반기는 온라인 수업으로 진행됨

- Individual media design project for graduation exhibition
- Presentations and critiques
- Making portfolio to get a job

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook	PPT files and printed materials will be used	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course overview, orientation Checking the progress of individual project
Second week	Individual project for graduation exhibition 1
Third week	Individual project for graduation exhibition 2
Fourth week	Individual project for graduation exhibition 3
Fifth week	Individual project for graduation exhibition 4
Sixth week	Project display : Graduation exhibition
Seventh week	Career counseling 1
Eighth week	Career counseling 2
Ninth week	Basics of making portfolio
Tenth week	Preparing portfolio 1 : Planning
Eleventh week	Preparing portfolio 2 : Design
Twelfth week	Making portfolio 1
Thirteenth week	Making portfolio 2
Fourteenth week	Making portfolio 3
Fifteenth week	Course review
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Convergence Brand Design	Course Number	0010477001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 김시연	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2203:수(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This course aims to understand brand story and brand communication.

[2] Course Learning Outcomes

This course encourages exploring and experimenting based on research and make visual solutions for brand communication.

[3] Class Delivery Method

week1-week6 : graduate exhibition preparation.

week7-week15 : alternate on/off-line class.

off-line : brand design project

on-line - portfolio(real time)

1h : lecture and brainstorming

2h : presentation and discussion 3h : presentation and discussion

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	40 %	0 %	50 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
 · 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	preliminary 예심
Second week	graduate exhibition preparation
Third week	graduate exhibition preparation
Fourth week	graduate exhibition preparation
Fifth week	graduate exhibition preparation
Sixth week	graduate exhibition display
Seventh week	portfolio review
Eighth week	portfolio review
Ninth week	special lecture
Tenth week	portfolio review
Eleventh week	portfolio review
Twelfth week	special lecture
Thirteenth week	portfolio review
Fourteenth week	portfolio presentation
Fifteenth week	portfolio presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Convergence Industrial Design	Course Number	0010478001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 조유석	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2204:월(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This class is a portfolio creation class for year 4 majoring in product design. Students learn the process of understanding design issues and social problems demanded by the industrial society through design thinking methods and creating optimal output. 본 수업을 통해 산업디자인 전공 4학년을 위한 포트폴리오 제작 수업입니다. 산업사회에서 요구하는 디자인 이슈와 사회문제를 디자인 씹링 방법을 통해 이해하고 최적의 솔루션을 만들어가는 과정을 학습합니다.

[2] Course Learning Outcomes

The purpose of this class is to create a high-quality product design portfolio that reflects industry trends and times. Through this class students can study Intuitive design and design logic and insight. And students complete a professional portfolio. 본 수업을 통해 산업의 트렌드와 시대를 반영한 고품질의 제품 디자인 포트폴리오 제작하는 것을 목적으로 한다. 디자인의 직관력과 통찰력, 논리력과 균형을 갖춘다. 전문적인 포트폴리오를 완성한다.

[3] Class Delivery Method

Creating a Product Design Portfolio

*This class is related to preparation for the graduation exhibition.

Prototyping, Mock-up Making, Presentation

제품디자인 포트폴리오 제작

*졸업전시 준비와 연계한 수업

프로토타이핑, 목업제작, 프리젠테이션

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	2차 졸업심사/ Grad-exhibition screening 2nd
Second week	교과 오리엔테이션/ Course Introduction - 전체 일정/ Master Plan
Third week	프로젝트 종합 리뷰 1/ Overall project review 1 - 저학년, 공모전 등 프로젝트 취합/ Collecting projects such as lower grades and competitions
Fourth week	프로젝트 종합 리뷰 2/ Overall project review 2 - 저학년, 공모전 등 프로젝트 취합/ Collecting projects such as lower grades and competitions
Fifth week	디자인 리서치/ Design research - 진로 분야에 맞춘 추가 프로젝트 기획/ Planning additional projects tailored to desired career path
Sixth week	졸업전시 설치/ Installation of graduation exhibition
Seventh week	졸업전시회/ Graduation exhibition
Eighth week	단기 프로젝트 1단계/ short-term project - step1 - 데스크리서치/ Desk Research - 컨셉 보드/ Concept Board
Ninth week	단기 프로젝트 2단계/ short-term project - step2 - 아이디어 스케치/ Idea rough Sketch - 아이디어 평가/ Idea Critic
Tenth week	단기 프로젝트 3단계/ short-term project - step3 - 컴퓨터 모델링/ Computer Modelling - 디자인 개선/ Design improvement
Eleventh week	단기 프로젝트 4단계/ short-term project - step4 - 색채 및 소재 시뮬레이션/Image Simulation(Color & Material) - 렌더링/ Rendering
Twelfth week	단기 프로젝트 5단계/ short-term project - step5 - 렌더링 발표/ Rendering Presentation
Thirteenth week	포트폴리오 협의 1/ Consultation on portfolio 1 - 전체 구성 및 레이아웃/ Overall composition and layout
Fourteenth week	포트폴리오 협의 2/ Consultation on portfolio 2 - 전체 구성 및 레이아웃/ Overall composition and layout
Fifteenth week	포트폴리오 발표/ Portfolio presentation - 기말 평가 및 공유/ Final presentation and sharing
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Convergence Visual Design	Course Number	0006015001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 전혜연	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ214:수(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

This is a design practice class that focuses on visual communication design graduation project and portfolio development.

[2] Course Learning Outcomes

- To prepare graduate degree show 2022 in visual communication design.
- To prepare portfolio as a professional designer.

[3] Class Delivery Method

Lecture, Critique, and Design Development

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
25 %	5 %	0 %	60 %	0 %	0 %	0 %	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	220906 Orientation
Second week	220913 – Graduation Project Development
Third week	220920 – Graduation Project Development
Fourth week	220927 – Graduation Project Development
Fifth week	221004 – Graduation Project Development
Sixth week	221010/221011 – Graduation Show Opening
Seventh week	221018: Online – Portfolio Development
Eighth week	221025 – Lecture: Portfolio
Ninth week	221101: Online – Critique: Portfolio Development
Tenth week	221108: Online – Critique: Portfolio Development
Eleventh week	221115: Online – Critique: Portfolio Development
Twelfth week	221122: Online – Critique: Portfolio Development
Thirteenth week	221129: Online – Critique: Portfolio Development
Fourteenth week	221206: Online – Critique: Portfolio Development
Fifteenth week	221213 – Final Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Convergence Image Design	Course Number	0006016001
Major / School Year	Division of Design / 4	completion division / Grade evaluation	/
Department/Professor	Division of Design / 유동현	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SQ214:월(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

This lecture is for students who are scheduled to graduate, and students will complete the screening and exhibition of graduation works during the semester and prepare for future career courses. Basically, a convergence design portfolio (document form) and a video show reel (video form) that summarizes individual competencies must be completed during the semester, the lecturer will mentor all planning and production processes.

[2] Course Learning Outcomes

1. Present and screen completed graduation works to conduct screening and exhibition of works.
2. Create a design portfolio and video show reel that can be used after graduation.
3. Research and develop other areas of video convergence and enhance your capabilities. (personal exhibition, contests, projects, etc.)

[3] Class Delivery Method

1. Mentoring and presenting guidelines for screening graduation works.
2. Provide feedback on the review of graduation works.
3. Individual portfolio production guidance and suggestions.
4. Support for other areas of image fusion and individual projects.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	50 %	0 %	0 %	0 %	50 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	30 %	0 %	30 %	0 %	40 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	4th Sep : Orientation. (OT)
Second week	11th Sep : Completion of graduation works and preparation for graduation examination.
Third week	18th Sep : 2nd graduation examination. (estimated)
Fourth week	25th Sep : Complementation of graduation works, preparation of brochure, and exhibition preparation
Fifth week	2nd Oct : Chuseok Holidays. (Alternative Assignment)
Sixth week	9th Oct : Hangul proclamation day. (Alternative Assignment)
Seventh week	16th Oct : Graduation work exhibition period.
Eighth week	23th Oct : Planning individual projects and portfolios. #1
Ninth week	30th Oct : Planning individual projects and portfolios. #2 (Submission)
Tenth week	6th Nov : Create individual projects and portfolios. #1 (Mentoring)
Eleventh week	13th Nov : Create individual projects and portfolios. #2 (Mentoring)
Twelfth week	20th Nov : Create individual projects and portfolios. #3 (Mentoring)
Thirteenth week	27th Nov : Complete individual projects and portfolios. (Submission)
Fourteenth week	4th Dec : Career counseling and individual tutorials after graduation.
Fifteenth week	11th Dec : General Review, finishing lecture.
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Convergence Product Design	Course Number	0006019001
Major / School Year	Division of Design / 4	completion division /Grade evaluation	/
Department/Professor	Division of Design / 조유석	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SY2203:수(6)(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

This class is for graduation exhibition of product design major.

Through this course student learn creative thinking method and process of design and also study design implementation, material, plan for graduation exhibition.

본 수업은 제품 디자인 전공 졸업 전시 수업으로 디자인에 관련된 문제나 이슈의 창의적 사고 방법과 프로세스를 학습하며 졸업 전시를 위한 디자인 구현, 재료 선택, 전시 계획 등에 대해 연구한다.

[2] Course Learning Outcomes

This course purports to discover design themes that reflect industry trends and times, and develop high-quality product designs. Through this class students can study Intuitive design and design logic and insight.

본 수업을 통해 산업의 트렌드와 시대를 반영한 디자인 테마를 발굴하고 고품질의 제품 디자인을 개발하는 것을 목적으로 한다. 디자인의 직관력과 통찰력, 논리력과 균형을 갖춘다.

[3] Class Delivery Method

Prototyping, Mock-up Making, Presentation

Graduation Exhibition, Portfolio

프로토타이핑, 목업제작, 프리젠테이션

졸업전시, 포트폴리오

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	2차 졸업심사/ Grad-exhibition screening 2nd
Second week	목업제작(도색작업)/ Making mock-up(painting work)
Third week	모델 조립 및 마감/ Assemble and finish the model
Fourth week	사용 시나리오 영상 제작/ Creating usage scenario video
Fifth week	전시보드 및 이미지 카드 제작/ Creating exhibition boards and image cards
Sixth week	졸업전시회/ Graduation exhibition
Seventh week	졸업전시 철수/ Closing graduation exhibition
Eighth week	광주디자인비엔날레 참관/ Visit Gwangju Design Biennale (학교 일정에 따라 변경 가능 Subject to change according to school schedule)
Ninth week	공모전 출품 준비/ Preparation for design competition submissions - PIN UP design competiton
Tenth week	디자인포럼(특강)/ Design Forum (Special Lecture) - 신기술융합디자인혁신인재양성사업단 주최/ Hosted by the New Technology Convergence Design Innovation Talent Fostering Project
Eleventh week	산업디자인트렌드 1/ Industrial design trends 1 - 사물인터넷/ Internet Of Things (I.O.T)
Twelfth week	산업디자인트렌드 2/ Industrial design trends 2 - 자율주행/ Autonomous Vehicle
Thirteenth week	산업디자인트렌드 3/ Industrial design trends 3 - 신재생에너지/ New Renewable Energy
Fourteenth week	디자이너 이력서 및 포트폴리오/ Designer CV & portfolio
Fifteenth week	디자이너 이력서 및 포트폴리오/ Designer CV & portfolio
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Functional Anatomy	Course Number	0009814001
Major / School Year	Division of Health and Kinesiology / 1	completion division /Grade evaluation	/
Department/Professor	Division of Health and Kinesiology / 고주필	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358587	A weekday / class /	[SQ402:월(1-2A),수(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course presents a systemic approach to the study of the human body. Lecture presentation begins with an introduction of anatomical terminology and an overview of cellular process and tissue classification. This course also covers the functional human musculoskeletal anatomy. Bone & joint function (e.g., osteokinematics and arthrokinematics) and muscle function (e.g., origin, insertion, innervation, and action) will be discussed.

[2] Course Learning Outcomes

The course will include discussion of the musculoskeletal anatomy, how humans move and its effects on injury and impairments. This advanced course in human anatomy investigates the regional, functional anatomy of the muscular system. Students will investigate the detailed anatomy of the major joints of the body, nervous system, and vascular system as they pertain to the skeletal muscles.

[3] Class Delivery Method

Lecture base

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Joseph E. Muscolino	Publisher		Textbook	기능해부학 (근육, 뼈대, 촉진법); Know the Body (Muscle, Bone, and Palpation Essentials)	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation & Pre-class test / Introduction
Second week	Review Basic Functional Anatomy & Lower Extremity Musculoskeletal Anatomy
Third week	Lower Extremity Musculoskeletal Anatomy
Fourth week	Exam#1
Fifth week	Lower Extremity Musculoskeletal Anatomy
Sixth week	Lower Extremity Musculoskeletal Anatomy
Seventh week	Lower Extremity Musculoskeletal Anatomy
Eighth week	Exam#2
Ninth week	Upper Extremity Musculoskeletal Anatomy
Tenth week	Upper Extremity Musculoskeletal Anatomy
Eleventh week	Upper Extremity Musculoskeletal Anatomy
Twelfth week	Exam#3
Thirteenth week	Trunk(spine) and Nerve
Fourteenth week	Trunk(spine) and Nerve
Fifteenth week	Trunk(spine) and Nerve
Sixteenth week	Final Exam (Comprehensive)

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Functional Anatomy	Course Number	0009814002
Major / School Year	Division of Health and Kinesiology / 1	completion division /Grade evaluation	/
Department/Professor	Division of Health and Kinesiology / 고주필	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358587	A weekday / class /	[SQ402:월(2B-3),목(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course presents a systemic approach to the study of the human body. Lecture presentation begins with an introduction of anatomical terminology and an overview of cellular process and tissue classification. This course also covers the functional human musculoskeletal anatomy. Bone & joint function (e.g., osteokinematics and arthrokinematics) and muscle function (e.g., origin, insertion, innervation, and action) will be discussed.

[2] Course Learning Outcomes

The course will include discussion of the musculoskeletal anatomy, how humans move and its effects on injury and impairments. This advanced course in human anatomy investigates the regional, functional anatomy of the muscular system. Students will investigate the detailed anatomy of the major joints of the body, nervous system, and vascular system as they pertain to the skeletal muscles.

[3] Class Delivery Method

Lecture base

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Joseph E. Muscolino	Publisher		Textbook	기능해부학 (근육, 뼈대, 촉진법); Know the Body (Muscle, Bone, and Palpation Essentials)	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation & Pre-class test / Introduction
Second week	Review Basic Functional Anatomy & Lower Extremity Musculoskeletal Anatomy
Third week	Lower Extremity Musculoskeletal Anatomy
Fourth week	Exam#1
Fifth week	Lower Extremity Musculoskeletal Anatomy
Sixth week	Lower Extremity Musculoskeletal Anatomy
Seventh week	Lower Extremity Musculoskeletal Anatomy
Eighth week	Exam#2
Ninth week	Upper Extremity Musculoskeletal Anatomy
Tenth week	Upper Extremity Musculoskeletal Anatomy
Eleventh week	Upper Extremity Musculoskeletal Anatomy
Twelfth week	Exam#3
Thirteenth week	Trunk(spine) and Nerve
Fourteenth week	Trunk(spine) and Nerve
Fifteenth week	Trunk(spine) and Nerve
Sixteenth week	Final Exam (Comprehensive)

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Functional Performance	Course Number	0011091001
Major / School Year	Division of Health and Kinesiology / 1	completion division /Grade evaluation	/
Department/Professor	Division of Health and Kinesiology / 김남웅	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SQ402:화(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

스포츠 및 임상 현장에 필요한 운동기능검사(Functional test)에 대해 배운다.

[2] Course Learning Outcomes

운동기능을 평가할 수 있는 운동기능검사에 대해 배우고 운동기능을 테스트 하는 방법을 배운다.

[3] Class Delivery Method

수업, 실습, 발표 및 과제

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	0 %	0 %	30 %	0 %	0 %	0 %	30 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Human Kinetics	Textbook	Functional Testing in Human Performance	Issued year	2009
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Basics of Functional Testing
Second week	Arthropometric Assessment
Third week	Muscle Length Assessment
Fourth week	Muscle Length Assessment
Fifth week	Muscle Length Assessment
Sixth week	Fundamental Movement Testing
Seventh week	Fundamental Movement Testing
Eighth week	Midterm
Ninth week	Balance Testing
Tenth week	Balance Testing
Eleventh week	Strength and Power Testing
Twelfth week	Strength and Power Testing
Thirteenth week	Trunk Testing Upper Extremity Testing
Fourteenth week	Lower Extremity Testing
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Orthopedic Evaluation and Assessment of the Upper Extremity	Course Number	0011092001
Major / School Year	Division of Health and Kinesiology / 3	completion division /Grade evaluation	/
Department/Professor	Division of Health and Kinesiology / 김남웅	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SQ402:월(4-5A), 수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The primary purpose of this course is to provide the student with knowledge and skill in the area of advanced athletic injury assessment to the upper extremity.

[2] Course Learning Outcomes

The student will be exposed to current methodology in the field of orthopedic physical assessment, including: observation of posture and external landmarks, palpation of anatomic structures, manual muscle testing, range-of-motion assessment (both passive and active), neurologic screening of myotomes, dermatomes, and reflexes, special tests, and immediate care of specific injuries and illnesses.

[3] Class Delivery Method

Lecture with powerpoint presentations, group discussion and brainstorming, practical demonstrations, and skills practice.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Exam, attendance, practical exam

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Starkey, C, Brown, SD, & Ryan, J	Publisher		Textbook	Examination of Orthopedic and Athletic Injuries	Issued year	2010
(2)	Author	Kendall F.P., McCreary E., Provance P.G.	Publisher		Textbook	Muscles Testing and Function, with Posture and Pain, 5th edition	Issued year	2005
(3)	Author	Magee, DJ	Publisher		Textbook	Orthopedic Physical Assessment, 5th edition	Issued year	2008

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Injury Pathology
Second week	Introduction to Injury Evaluation
Third week	Shoulder
Fourth week	Shoulder
Fifth week	Elbow
Sixth week	Elbow
Seventh week	Head
Eighth week	Midterm
Ninth week	Cervical
Tenth week	Cervical
Eleventh week	Thorax and Abdomen
Twelfth week	Thorax and Abdomen
Thirteenth week	Wrist, Hand, Finger
Fourteenth week	Wrist, Hand, Finger
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Understanding Global Sports	Course Number	0011096001
Major / School Year	Division of Health and Kinesiology / 4	completion division /Grade evaluation	/
Department/Professor	Division of Health and Kinesiology / 성호준	Grades/Lecture/ Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SQ311:월(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

스포츠의 글로벌화에 따른 스포츠와 연관된 산업 및 비즈니스에서 사용하는 다양한 영어를 습득하여 국제 스포츠계를 대비한다.

[2] Course Learning Outcomes

본 수업은 스포츠와 관련된 영어를 학습하고 기초적인 이해를 목표로 한다.

[3] Class Delivery Method

대면 수업

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	영상을 통한 스포츠 영어 학습
Third week	영상을 통한 스포츠 영어 학습
Fourth week	영상을 통한 스포츠 영어 학습
Fifth week	영상을 통한 스포츠 영어 학습
Sixth week	영상을 통한 스포츠 영어 학습
Seventh week	영상을 통한 스포츠 영어 학습
Eighth week	중간고사
Ninth week	영상을 통한 스포츠 영어 학습
Tenth week	영상을 통한 스포츠 영어 학습
Eleventh week	영상을 통한 스포츠 영어 학습
Twelfth week	영상을 통한 스포츠 영어 학습
Thirteenth week	영상을 통한 스포츠 영어 학습
Fourteenth week	영상을 통한 스포츠 영어 학습
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	American and British Culture	Course Number	0002914001
Major / School Year	Dept. of English Language Education / 1	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language Education / 최유정	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC209:화(7-8A),수(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 뉴스 기사, 테드 강연, 넷플릭스 다큐멘터리 등 다양한 매체를 통해서 영미문화의 핵심적인 요소를 다룬다. 수업을 통해서 학생들은 인종, 젠더, 기후 변화 등 큰 이슈에 대한 배경지식을 쌓게 될 것이며, 영미문화권의 다양한 측면에 대해서 학습할 기회를 갖는다. 이를 통해 예비 영어교사들의 영미문화 배경지식 및 영어능력 향상을 도모함과 동시에 재밌고 유용한 문화콘텐츠를 선정하여 자유학년제에 대비할 수 있도록 한다.

[2] Course Learning Outcomes

* 학생들은 본 강좌를 통해서 다음과 같은 능력을 배양한다.

- (1) 다양한 수준 및 유형의 영미문화자료를 통해, 영어 읽기, 쓰기, 듣기, 말하기에 해당하는 영어실전능력을 키운다.
- (2) 다양한 수준 및 유형의 영미문화자료를 통해, 영미문화에 대한 배경지식 혹은 인식의 폭을 넓힘과 동시에 글의 논리를 파악하는 능력을 키운다.
- (3) 중등영어교육에서 활용할 수 있는 적절한 영미문화자료를 선별할 수 있는 안목과 능력을 키운다.
- (4) 특히 자유학년제의 영어교육에 기여할 수 있는 영어문화수업능력을 키운다.

[3] Class Delivery Method

본 강좌 중 읽기, 쓰기, 토론 수업은 “플립러닝 수업방식,” “학생참여중심 학습” “과정중심 평가”를 통해 진행된다. 학생들은 매주 읽어야 할 자료를 수업 전에 미리 읽고 수업에 임해야 한다. 또한, 학생들은 수업에서 다룬 주제 중 한 가지를 택하여 자유학기제에 대비한 강의를 계획하고 레슨 플랜을 짠다. 레슨 플랜을 미리 제출하고 공유하여 교수자 및 다른 학생들로부터 피드백을 받는다. 학기의 마지막 주에는 레슨 플랜에서 바탕으로 짧게 강의를 시연한다. 학생들은 수업에서 경험한 과정 중심 평가와 학생참여중심 학습 방법을 반영하여 레슨 플랜을 계획해야 한다.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	30 %	30 %	0 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Neil Campbell, Alasdair Kean	Routledge	American Cultural Studies An Introduction to American Culture	
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Robin DiAngelo		White Fragility: Why it is so Hard for White People to Talk About Racism	
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	American Culture Intro (Ch.1 ACS)
Second week	- Why the US celebrates Columbus Day - The Statues Brought Down Since the George Floyd Protests Began
Third week	American Dream Film "Great Gatsby"
Fourth week	Martin Luther King Jr., "I Have a Dream" Amanda Gorman's Poem at Joe Biden's Inauguration, "The Hill We Climb"
Fifth week	Ted Talk, "The danger of a single story" by Chimamanda Ngozi Adichie Netflix Stand up Comedy on Race and Racism
Sixth week	Midterm Exam
Seventh week	IPCC Statement "A burial practice that nourishes the planet" (Ted Talk) by Caitlin Doughty
Eighth week	Netflix Documentary, "My Octopus Teacher" "Seaspiracy"
Ninth week	Taylor Swift, "The Man" Netflix Documentary, "Miss Americana"
Tenth week	LGBTQ movement: "Stonewall Riots," BBC Radio Witness History Movie: "Carol" or "Portrait of a Lady on Fire"
Eleventh week	Tedtalk on Artificial Intelligence Film, "Ex Machina"
Twelfth week	Shirley Jackson, "The Lottery"
Thirteenth week	Ursula Le Guin, The Ones Who Walk Away from Omelas"
Fourteenth week	Discussion on The Midnight Library
Fifteenth week	Wrap up Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	중간, 기말 에세이	submission date	
	purpose	특정 질문에 대한 답을 에세이 형식으로 쓰는 take home essay		
	procedure & notice			
	references	9주와 16주에 제출		
The second assignment	assignment	스피치 녹음	submission date	
	purpose	역사적으로 유명한 스피치를 이해하고 따라서 말할 수 있다.		
	procedure & notice			
	references			
The third assignment	assignment	영미문화 모의수업 lesson plan 짜기 및 시연	submission date	
	purpose	학생참여중심, 과정중심의 강의를 계획하고 시연하는 능력을 함양한다.		
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Current English I	Course Number	0011105001
Major / School Year	Dept. of English Language Education / 1	completion division /Grade evaluation	/
Department/Professor	Institute of General Education / 매튜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC207:화(3)(4)(5)]
Office hours		lecture room	

[1] Outline / Purpose

To provide students with methods to use a variety of media topics in order to teach English as a second language.

[2] Course Learning Outcomes

By the end of the course students should be able to discuss topics from media using new language and grammar patterns. Students will also have a chance to teach the class.

[3] Class Delivery Method

Powerpoints and handouts will be used to help discuss the topics.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	20 %	0 %	40 %	0 %	20 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	40 %	0 %	20 %	10 %	20 %	0 %

[4] Grading Policies

Students should be on time for class prepared to discuss the media topic for that day. Any absences must be accompanied by the correct documentation for attendance to be verified. Watch media before class will be required and failure to do so will be reflected in the participation score.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학생시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
			no text book required (handouts will be provided)	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction Kakaotalk group sign ups teach back sign ups
Second week	Media topic 1 class discussion and reflection.
Third week	teach back 1 media topic 2 class discussion and reflection.
Fourth week	teach back 2 media topic 3 class discussion and reflection
Fifth week	teach back 3 media topic 4 class discussion and reflection
Sixth week	teach back 4 media topic 5 class discussion and reflection
Seventh week	review and exam practice
Eighth week	midterm exam
Ninth week	teach back 5 media topic 6 class discussion and reflection
Tenth week	teach back 6 media topic 7 class discussion and reflection
Eleventh week	teach back 7 media topic 8 class discussion and reflection
Twelfth week	teach back 8 media topic 9 class discussion and reflection
Thirteenth week	written test
Fourteenth week	review and exam practice
Fifteenth week	final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	midterm exam	submission date	2023-10-17 Tue
	purpose	to evaluate the uptake of spoken English		
	procedure & notice	in class with the teacher		
	references			
The second assignment	assignment	written test	submission date	2023-11-28 Tue
	purpose	to evaluate the uptake of new vocabulary and grammar		
	procedure & notice	paper test in class		
	references			
The third assignment	assignment	final exam	submission date	2023-12-12 Tue
	purpose	to evaluate the uptake of spoken English		
	procedure & notice	in class with the teacher		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	English Pedagogy I	Course Number	0004960001
Major / School Year	Dept. of English Language Education / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of English Language Education / 김혜영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358127	A weekday / class /	[NC209:월(2B-3)] [ZZ200:금(0A1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

본 강의는 중등 영어교사에게 요구되는 영어 사용 능력과 수업 능력을 향상시키기 위한 수업이다. 교실현장에서 경험 하게 될 수업 상황과 유사한 수업 환경에서 각 차시의 목표에 맞는 수업을 구현해 낼 수 있는 능력을 향상시키기 위해 다양한 교실 활동 구상 및 지도 연습, 발문 연습 (Teacher talk), 학습자 중심의 교수 활동 등을 직접 실천해보고 피드백을 받음으로써 교실 영어 사용 역량과 교수 역량을 향상 시키도록 한다. 대부분의 수업은 과업 중심의 수업으로, 중등 영어 교과서를 활용하여, 4기능 별 활동 구상, Lesson plan작성, 수업 시연, 비디오 영상 시청, 토론 등의 다양한 활동을 통해 교과지도 역량을 함양하게 된다.

[2] Course Learning Outcomes

- * 언어의 4 가지 기능별 학습목표에 맞게 수업 도입, 전개, 활동, 평가 등 단계별로 적절한 활동을 사용하여 수업을 구성하고 지도안 작성을 할 수 있다.
- * 학생들의 동기유발 및 유지, 멀티미디어 활용 교수법, 기능별 지도법 등의 영어교과이론을 수업 구성에 적용하는 역량을 키운다.
- * 반복적인 수업 시연 연습과 성찰을 통해 교과지도역량을 키운다.
- * 영어로 수업을 운영 할 수 있는 영어 의사소통 역량을 향상시킨다.
- * 토론 수업과 협동 수업을 통해 예비 교사로서 공동체역량을 키운다.
- * 자기 성찰 과정을 통해 한 학기 동안 배움을 스스로 되돌아보며, 성찰하는 교사로서의 자세를 키운다.

[3] Class Delivery Method

- * 본수업은 온라인+오프라인 혼합형으로 운영한다. 온라인에서 이론을 학습하고 오프라인에서 실습을 해 본다.
- * 수업 구성 및 시연에 중요한 핵심 이론과 규칙들을 강의, 비디오 시청 등 다양한 방법으로 매주 연구해 보고 주제별로 정리한다.
- * 소집단의 협업 활동 등을 통해 주제별 핵심 이론들을 수업 구성에 적용 해 본다.
- * 소집단에서 나눈 다양한 의견들을 바탕으로 개인별로 Lesson Plan을 작성하며, 영어로 수업 시연을 한다. 수업 실연은 비디오 촬영으로 기록하여, 성찰 자료로 사용 될 것이다.
- * 수업 시연 후 동료 피드백과 토론을 통해 건설적인 피드백을 나누며 성찰의 기회를 갖는다.
- * 수업 시연 후 성찰 일지를 작성한다.
- * 학기 중 작성한 Lesson Plan과 동료피드백 등은 모두 포트폴리오로 작성하게 된다.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
10 %	20 %	0 %	0 %	5 %	5 %	0 %	60 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	20 %	0 %	30 %	0 %	20 %	30 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
10 %	20 %	70 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	자체교재	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	중등영어교과서	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[6] Weekly lesson plans

First week	<ul style="list-style-type: none"> * Introduction * 토론을 통해 좋은 수업을 하는 교사의 역량에 대해 알아본다. * 자신의 교육 철학에 대해 생각을 정리한다. * Teaching Philosophy 작성한다 * 개별 영어 사용 능력/수업 역량 진단 * 과제: Teaching Philosophy
Second week	<p>(준비물: 중등 영어 교과서)</p> <ul style="list-style-type: none"> * 기초 영어 수업 역량 만들기 단계 * 모둠 활동을 통해 중등 교과서를 분석하고 한 차시 흐름을 이해한다 * Lesson Plan의 기본 요소를 알아보고 여러 모델을 분석해본다. <p>* 9/12 추석: 16주 보강</p>
Third week	<ul style="list-style-type: none"> * 협동학습을 통해 Lesson Plan을 작성한다. * 조별로 작성한 Lesson Plan을 발표하고 피드백을 받는다. * 피드백을 바탕으로 개별로 수정한다.
Fourth week	<ul style="list-style-type: none"> * 수업 도입 구성 방법 * 협동 학습을 통해 동기 부여 연습 & Schema activation 방법을 구성해보고 발표 후 피드백을 받는다.
Fifth week	<ul style="list-style-type: none"> * Teaching Philosophy Sharing & Feedback 개인별로 자신의 Teaching Philosophy 를 발표하고, 피드백을 받아 수정한다.
Sixth week	<ul style="list-style-type: none"> * 단어지도 방법 관련 이론을 정리한다. * 소그룹 활동을 통해 단어지도 활동들을 구성한다. * 단어지도 학습 목표를 설정하고 Lesson Plan을 만든다.
Seventh week	<ul style="list-style-type: none"> * 단어 지도 방법 수업 시연 * 수업 시연을 하고 동료 및 교사 피드백 시간을 통해 공동체 역량을 키운다. * 시연 후 자기 성찰 일지를 작성하여 스스로의 직업 능력과 성장과정을 성찰하는 자기주도성을 키운다
Eighth week	<ul style="list-style-type: none"> * 읽기 지도 방법 관련 교육 이론을 정리한다. * 소그룹 활동을 통해 읽기 지도 활동들을 구성한다. * 학습 목표를 설정하고 Lesson Plan을 만든다.
Ninth week	<ul style="list-style-type: none"> * 읽기 지도 방법 수업 시연 * 수업 시연을 하고 동료 및 교사 피드백 시간을 통해 공동체 역량을 키운다. * 시연 후 자기 성찰 일지를 작성하여 스스로의 직업 능력과 성장과정을 성찰하는 자기주도성을 키운다
Tenth week	<ul style="list-style-type: none"> * 말하기/듣기 지도 방법 이론을 정립한다 * 소그룹 활동을 통해 말하기/듣기 지도 활동들을 구성한다. * 학습 목표를 설정하고 Lesson Plan을 만든다.
Eleventh week	<ul style="list-style-type: none"> * 말하기/듣기 지도 방법 수업 시연 * 수업 시연을 하고 동료 및 교사 피드백 시간을 통해 공동체 역량을 키운다. * 시연 후 자기 성찰 일지를 작성하여 스스로의 직업 능력과 성장과정을 성찰하는 자기주도성을 키운다
Twelfth week	<ul style="list-style-type: none"> * 쓰기 지도 방법 관련 교육 이론을 정리한다. * 소그룹 활동을 통해 쓰기 지도 활동들을 구성한다. * 학습 목표를 설정하고 Lesson Plan을 만든다.
Thirteenth week	<ul style="list-style-type: none"> * 쓰기 지도 방법 수업 시연 * 수업 시연을 하고 동료 및 교사 피드백 시간을 통해 공동체 역량을 키운다. * 시연 후 자기 성찰 일지를 작성하여 스스로의 직업 능력과 성장과정을 성찰하는 자기주도성을 키운다
Fourteenth week	<ul style="list-style-type: none"> * 문법 지도 방법 관련 이론을 정리한다. * 소그룹 활동을 통해 학습자의 동기를 부여 할 수 있는 문법 지도 활동을 구상한다. * 활동을 직접 시연해보고 피드백을 주고 받는 기회를 통해 보완점을 찾아본다.
Fifteenth week	<ul style="list-style-type: none"> * 성찰의 날 * 한학기 동안 배운 내용을 뒤돌아보고, 성장한 부분과 앞으로 더욱 노력할 부분, 예비교사로써 자신의 장 단점등을 생각해 볼 기회를 갖음으로써 진로역량을 키운다.
Sixteenth week	

[7] Assignments

The first assignment	assignment	포트폴리오	submission date	
	purpose	학습의 주도성을 키우고 과정 성찰을 통해 진로 역량 함양		
	procedure & notice	포트폴리오 (50%) 는 학기중 순차적으로 작성한 과제들을 포트폴리오 형태로 완성하여 학기말에 제출하게 되는데, 교육철학에세이 (10)+ Lesson Plan (30)+ 동료피드백 (10) + 성찰일지(10) 를 포함한다. 시연 사진, 목차 등을 활용하여 프로페셔널한 형태로 제출한다.		
	references			
The second assignment	assignment	수업시연	submission date	
	purpose	반복적 수업 시연 연습을 통해 교과지도역량을 키운다		
	procedure & notice	* 소집단에서 나온 다양한 의견들을 바탕으로 개인별로 Lesson Plan을 작성하며, 영어로 수업 시연을 한다. * 수업 시연 후 동료 피드백과 토론을 통해 건설적인 피드백을 받으며 성찰의 기		

		회를 갖는다. * 수업 시연 후 성찰 일지를 작성한다.		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	English Teaching using Drama	Course Number	0009799001
Major / School Year	Dept. of English Language Education / 2	completion division / Grade evaluation	/
Department/Professor	Institute of General Education / 매튜	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC208:수(3)(4)(5)]
Office hours		lecture room	

[1] Outline / Purpose

To provide opportunities to students to think about well-known American plays. To also practice questions that are geared toward the teachers exam so that they may practice these forms of questions.

[2] Course Learning Outcomes

By the end of the semester students will be able to talk about the major themes in American plays and be able to construct well written paragraphs which will help them with their teachers exam.

[3] Class Delivery Method

Powerpoints will be provided before lessons. Students must read required written material before class. Classes administered in class.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	0 %	30 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	40 %	0 %	10 %	0 %	0 %	40 %

[4] Grading Policies

In order to receive participation grade students should be in class ready to discuss the readings. Therefore it is important that students read the material before class. Failure to do so will result in a lowered participation grade.

Books we will cover (Death of a Salesman, Twelve Angry Men, A Streetcar Named Desire, and Who's Afraid of Virginia Woolf?) It would be beneficial for the students to read the books before class.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
			no books required (handouts will be provided)	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

Although handouts will be provided it would be beneficial for students to read the stories we will cover (4 of them) before class)

[6] Weekly lesson plans

First week	Introduction to the syllabus Create Kakaotalk groups Read the first handout (start reading Death of a Salesman)
Second week	Death of A Salesman discussion go over the excerpt in detail
Third week	Death of a Salesman continued. go over excerpt in detail how to construct a paragraph. read Twelve Angry Men
Fourth week	Twelve Angry Men discussion Go over the excerpt in detail.
Fifth week	Twelve Angry Men continued... Jury system discuss trials in class.
Sixth week	Written exam practice and review QUIZ 1 start reading a streetcar named desire.
Seventh week	MIDTERM WRITTEN TEST
Eighth week	A street car named desire discussion go over excerpt in detail.
Ninth week	A streetcar named desire continued. Excerpt in detail. Continue reading A streetcar named desire.
Tenth week	Paragraph practice for a streetcar named desire. Excerpt in detail in class. read Who's afraid of Virginia Woolf?
Eleventh week	Who's Afraid of Virginia Woolf discussion Go over excerpt in class.
Twelfth week	Who's Afraid of Virginia Woolf? discussion Go over excerpt in class.
Thirteenth week	In class paragraph practice. go over the 4 books (review)
Fourteenth week	Final exam practice QUIZ 2
Fifteenth week	FINAL WRITTEN TEST
Sixteenth week	

[7] Assignments

The first assignment	assignment	quiz	submission date	2023-10-11 Wed
	purpose	to practice questions related to teachers exam		
	procedure & notice	In class (paper)		
	references			
The second assignment	assignment	midterm written	submission date	2023-10-18 Wed
	purpose	to evaluate the uptake of themes and paragraph construction		
	procedure & notice	In class (paper)		
	references			
The third assignment	assignment	final written	submission date	2023-12-13 Wed
	purpose	to evaluate the uptake of themes and paragraph construction		
	procedure & notice	In class (paper)		

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Discussion Seminar on English Classics	Course Number	0010103001
Major / School Year	Dept. of English Language Education / 2	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language Education / 최유정	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC209:월(7-8A),수(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 영미 소설과 희곡 중 고전의 반열에 오른 작품을 선별하여 읽는다. 텍스트를 꼼꼼히 읽음으로써 영어 어휘와 독해력 향상을 도모함과 동시에 문학을 이해하는데 필요한 여러 기술적인 요소들도 함께 학습한다. 어조와 아이러니, 직유와 은유와 같은 비유법, 인물구성 등에 대한 개념을 배우고 이에 초점을 맞추어 작품을 읽을 예정이다. 더불어서 문학 작품이 제기하는 다양한 종류의 이슈들—인종, 젠더, 계급, 개인과 타자, 공동체 등에 대해서 깊이 있게 성찰해볼 수 있는 기회를 가질 것이다. 또한, 작품을 매개로 하여 여러 주제에 대해 학술적으로 토론하고 글을 쓰는 법을 배운다. 학기 말에는 “학생참여중심 학습”과 “협동학습”을 실현할 수 있는 문학 강의의 여러 방법론에 대해서 논의할 것이며, 학생들은 문학 토론 수업을 직접 실현하는 기회도 갖게 될 것이다.

[2] Course Learning Outcomes

* 학생들은 본 강좌를 통해서 다음과 같은 능력을 배양한다.

- (1) 문학 작품을 꼼꼼히 읽는 능력을 통해 영어 읽기, 쓰기, 듣기, 말하기에 해당하는 영어실전능력을 키운다.
- (2) 문학 작품을 읽고 작품에 나타나는 인물, 배경, 관점, 아이러니, 시점 등 여러 문학적 기법에 대해서 배운다.
- (3) 중등영어교육에서 활용할 수 있는 적절한 문학 작품을 선택할 수 있는 안목과 능력을 키운다.
- (4) 자유학년제의 영어교육에 기여할 수 있도록 영미문학 토론 능력을 키운다.

[3] Class Delivery Method

매 수업 시간마다 지정된 학생이 미리 써온 토론문을 바탕으로 수업시간의 토론을 교수자와 함께 이끌어 나갈 것이며, 모든 학생들은 적극적으로 토론에 참여할 의무가 주어진다. 또한, 간단한 퀴즈를 통해 학생들이 문학작품에 나온 중요하거나 어려운 대목을 잘 해석할 수 있는지 점검한다. 학기의 마지막 2 주에는 학생들이 한 학기 동안 배운 텍스트 중 한 가지를 선별하여 학생참여중심의 강의를 계획하고 시연할 수 있는 기회를 갖도록 한다.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	30 %	0 %	0 %	0 %	0 %	0 %

⑥ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jane Austen	Publisher		Textbook	Emma	Issued year	
(2)	Author	Oscar Wilde	Publisher	Penguin	Textbook	Importance of Being Earnest	Issued year	2000
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Joana Wolfe and Laura Wilder	Publisher	Bedford/St. Martins	Textbook	Digging Into Literature	Issued year	2015
(2)	Author	M.H. Abrams and Geoffrey Galt Harpham	Publisher	Cengage Learning	Textbook	A Glossary of Literary Terms	Issued year	2014
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	강의개요설명 James Joyce, "Eveline"
Second week	Ursula Le Guin, "The Ones Who Walk Away From Omelas"
Third week	Ted Chiang, Story of Your Life
Fourth week	Ted Chiang, Story of Your Life
Fifth week	Oscar Wilde's The Importance of Being Earnest
Sixth week	Oscar Wilde's The Importance of Being Earnest
Seventh week	Oscar Wilde's The Importance of Being Earnest
Eighth week	Midterm Essay
Ninth week	Jane Austen, Emma
Tenth week	Jane Austen, Emma
Eleventh week	Jane Austen, Emma
Twelfth week	Jane Austen, Emma
Thirteenth week	Jane Austen, Emma
Fourteenth week	Mock Teaching
Fifteenth week	Final Essay
Sixteenth week	

[7] Assignments

The first assignment	assignment	퀴즈	submission date	
	purpose	학생들의 영어 어휘 실력과 독해 실력 향상을 도모한다.		
	procedure & notice			
	references			
The second assignment	assignment	토론문	submission date	
	purpose	문학작품이 제기하는 여러 이슈에 대해서 학술적으로 서술할 수 있다. 또한, 자신의 생각을 다른 학생들과 나누고 토론을 이끌어낼 수 있다.		
	procedure & notice			
	references			
The third assignment	assignment	문학토론수업 강의 시연하기	submission date	
	purpose	자유학년제의 영어교육에 기여할 수 있도록 영미문학 토론 수업을 강의하고 계획할 수 있는 능력을 배양한다.		
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	English Syntax and School Grammar 2	Course Number	0009801001
Major / School Year	Dept. of English Language Education / 4	completion division /Grade evaluation	/
Department/Professor	Dept. of English Language Education / 김정수	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[NC209:수(1-2A),금(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed to introduce students to syntactic analyses of linguistic data. In doing so, it mainly focuses on English sentences and adopts the Generative Grammar, which has been the mainstream approach to syntactic works for the past 50 years or so. The topics include syntactic categories, grammatical functions, simple and complex sentence structures, X-bar syntax, different movement operations, and various constituent tests. By looking into these English syntactic phenomena from a linguistic perspective, the course aims to help students to better understand how to analyze linguistic data syntactically and to develop syntactic argumentation skills.

[2] Course Learning Outcomes

This course is expected to help students to advance their analytical reasoning skills, which are required in English linguistics in general, and to prepare for the English teachers' bar exam.

[3] Class Delivery Method

Lecture + discussion + exercises

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	20 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm exam: 30%

Final exam: 30%

Homework assignments: 20%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Aarts, Bas	Publisher	Red Globe Press	Textbook	English Syntax and Argumentation (5th edition)	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Carnie, Andrew	Publisher	Wiley-Blackwell	Textbook	Syntax: A Generative Introduction (4th Edition)	Issued year	2021
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction & Function
Second week	Form: Words, Word Classes, and Phrases
Third week	Words and Categories
Fourth week	More on Form: Clauses and Sentences
Fifth week	The Function–Form Interface
Sixth week	Cross–Categorial Generalizations: X–Bar Syntax
Seventh week	More on Clauses
Eighth week	Review and Midterm Exam
Ninth week	Movement
Tenth week	Movement (contd)
Eleventh week	Constituency: Movement and Substitution
Twelfth week	Constituency: Some Additional Tests
Thirteenth week	Raising and Control
Fourteenth week	Wh–movement and constraints on wh–movement
Fifteenth week	Review and Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Chapter exercises	submission date	
	purpose	Doing chapter exercises helps students to have a better understanding of the topic discussed in each chapter.		
	procedure & notice	When we finish each chapter, we will first do some exercises together in class and the instructor will give some others as homework assignment exercises.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Method of Teaching Basketball	Course Number	0002827001
Major / School Year	Dept. of Physical Education / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Physical Education / 이승용	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SV101A:화(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

In this course, students will learn the history, culture, characteristics, and rules of basketball, and experience basketball directly through practical skills. In addition, as a pre-service physical education teacher, the purpose is to make it possible to provide basketball learning guidance suitable for the current curriculum in the middle and high school field. To achieve these class goals, peer learning and guidance methods and cooperative learning methods were reflected to improve class performance. To this end, students will learn basic individual basketball skills such as shooting, dribbling, passing, and basic physical strength. Furthermore, they learn high-level content such as team offensive and defensive tactics in general. As a result, the purpose is to provide students with methods that can be used directly in their school sports field by dealing with basic training methods in detail based on basic skills.

[2] Course Learning Outcomes

Upon successful completion of the course, students will be able to:

- 1) explain the history, characteristics, culture, and the effects of running, throwing, and teamwork in basketball.
- 2) acquire basic skills of basketball and understand and explain ways to foster physical strength and training through basketball in the school system.
- 3) learn team-oriented offensive and defensive tactics to create a positive effect on the operation of the basketball sports league on the school field.
- 4) understand and explain the spirit of cooperation, unity, volunteer, and sacrifice through basketball.

[3] Class Delivery Method

- 1) This class utilizes various teaching methods including lectures by the instructor, demonstration of skills, peer learning and teaching, cooperative learning, and practice.
- 2) In this class, each student selects the difficulty level to learn basic skills and movements and provides feedback to each other through cooperative learning and how to actively operate the class through simulated class demonstrations in the field.
- 3) Assessment of the subjects through discussions and assignments.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	0 %	0 %	50 %	0 %	10 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	30 %	0 %	20 %	0 %	30 %	0 %

[4] Grading Policies

Practical skill test (60%) / Discussion and assignments (20%) / Attendance and attitude (20%)

Practical skill test:

- 1) Individual basketball basic drills, and movement
- 2) Team offensive and defensive strategies in basketball in combinations with individual skill sets and movement
- 3) Peer teaching and learning in a mock class simulation and cooperative learning methods for providing feedback to improve class performance.

Discussion and assignment:

- 1) Describe the physical strength improvement method in relation to basketball exercise
- 2) Schedule and write the contents of basketball classes according to the school's physical education curriculum

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
	Keith Miniscalco, Greg Kot		Human Kinetics: second edition	2015

(2)	Author	Ono Shuji	Publisher	Samho Media	Textbook	New basketball lesson	Issued year	2011
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Lecture) Class orientation / Understanding the history, culture, and characteristics. Discussion) Describe the role of each position in basketball
Second week	Lecture and practice) Physical regulation and basic skills: Dash, stop, turn, and pivot in offensive and defensive matters. [Assign the task 1]
Third week	Lecture and practice) Ball handling and personal basketball skills: Ball handling, ball receiving, freestyle ball controlling, and boxing out and rebounding. *Present one-on-one classes according to individual proficiency
Fourth week	Lecture and practice) Passing and catching: Chest pass, bound pass, one-hand pass, and overhead pass. *Present one-on-one classes according to individual proficiency
Fifth week	Lecture and practice) Dribbling: High dribble, low dribble, change of pace, crossover, between legs, and spin move. *Present one-on-one classes according to individual proficiency
Sixth week	Lecture and practice) Shooting: One-hand shot, two-hand shot, jump shot, layup shot, and dunk shot. *Present one-on-one classes according to individual proficiency
Seventh week	Lecture and practice) The basic skills of basketball and the combinations of movements: Comprehensive control of dribbling, passing, rebound, and ball controlling, which are the basics of basketball. *Present one-on-one classes according to individual proficiency [Submit the task 1]
Eighth week	Mid-term exam Basketball basic drills, and movement.
Ninth week	Lecture) Basketball game rules and referee signals: Acquiring basketball game rules and referee signals to conduct school sports league basketball games as a preliminary physical education teacher. [Assign the task 2]
Tenth week	Lecture and practice) Defensive strategies (1): Zone defense (2-3, 3-2, 1-3-1), Man-to-Man defense, combination defense, and press defense. *Present one-on-one classes according to individual proficiency
Eleventh week	Lecture and practice) Defensive strategies (2): Zone defense (2-3, 3-2, 1-3-1), Man-to-Man defense, combination defense, and press defense. *Present one-on-one classes according to individual proficiency
Twelfth week	Lecture and practice) Offensive strategies (slow attack): Screenplay, post play, cut-in play, Pick & Roll play, and backdoor play. *Present one-on-one classes according to individual proficiency
Thirteenth week	Lecture and practice) Offensive strategies (Fast break): 2 people fast break, 3 people fast break, and run and gun play. *Present one-on-one classes according to individual proficiency
Fourteenth week	Lecture and practice) Review: Individual basic skills of basketball. Peer teaching and learning) Conduct a mock simulation directly and share feedback with each other throughout.
Fifteenth week	Lecture and practice) Review: Team tactical skills in offensive and defensive positions. Peer teaching and learning) Conduct a mock simulation directly and share feedback with each other throughout.
Sixteenth week	Final exam Comprehensive evaluations of 1) Individual basketball basic drills, and movement. 2) Team offensive and defensive strategies in basketball in combinations with individual skill sets and movement. 3) Peer teaching and learning in a mock class simulation and cooperative learning for providing feedback to improve teaching methods of basketball.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Outdoor Activity 1	Course Number	0011118001
Major / School Year	Dept. of Physical Education / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Physical Education / 이승용	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[SP113:금(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

Recently, leisure sports have been in the spotlight, and skiing as a winter outdoor sport is also attracting attention from many people. Based on this movement, ski classes are also being activated in the school system, and thus skiing is becoming a lifelong outdoor sport. As part of the pre-service teacher training, this course aims to learn details to pay attention to in guiding skiing as one of the main winter outdoor sports, to learn the theories and principles of skiing so that ski guidance is possible in the school field, and to acquire practical skills.

[2] Course Learning Outcomes

Upon successful completion of the course, students will be able to:

- 1) explain the history, characteristics, culture, and composition of skiing, as part of winter outdoor sports cultural activities.
- 2) cultivate an attitude that can understand and enjoy the value of daily outdoor sports.
- 3) understand and explain the conceptual principles of physical movement and motion of skiing.
- 4) acquire practical skills based on the technical theory of skiing.
- 5) understand the principles of ski exercise and acquire basic skills to cultivate leadership skills as a pre-service teacher.

[3] Class Delivery Method

- 1) Conducting classes using lectures and audio-visual materials for a theoretical understanding of winter outdoor sports and skiing history and culture
- 2) Acquisition and evaluation of ski skills through classified groups and practical training at the students' level.
- 3) Assessment of the subjects through discussions and reports.
- 4) Students' ability to conduct classes can be improved through practical mock instruction.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	10 %	0 %	65 %	5 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	20 %	0 %	20 %	0 %	0 %	60 %

[4] Grading Policies

Practical skill test (70%) / Discussion and reports (10%) / Attendance and attitude (20%)

Practical skill test:

- 1) Actions taken in the event of a fall, reorientation, and activities to prepare for safety
- 2) Skiing safely on the slopes and making a turn and descend with natural movement based on individual skill levels

Mock teaching and reports:

Conduct mock teaching sessions regarding the problems and solutions following the movement analyses through the student's ski posture and ride and submit the reports.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
70 %	20 %	10 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Book Lab	Textbook	Beginner Ski Technique by Kim Changsoo	Issued year	2018
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	Leader House	Textbook	Ski Lesson by Kim Donghwan	Issued year	2011
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

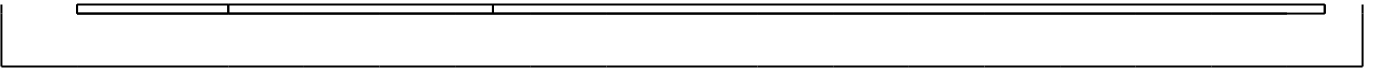
[Other books]

[6] Weekly lesson plans

First week	Lecture) Understanding the history, culture, characteristics, and terms of ski equipment for winter outdoor sports (skiing) Discussion) Choose the right equipment for your level
Second week	Lecture) Understanding the physical principles of skiing and learning the composition of ski techniques Discussion) Understanding gravity, speed, and centrifugal force for skier's balance
Third week	Lecture) Safety in Ski Exercise: Cold-related safety / equipment-related safety / fall and stand up / Lift riding-related safety Discussion) Safety rules
Fourth week	Practical training) Basic skiing techniques (1): Understanding and practicing the basic posture of skiing
Fifth week	Practical training) Basic skiing techniques (2): Understanding and practicing the basic movement of skiing includes walking, changing direction, skating running, and climbing
Sixth week	Practical training) Pflug Fahren: Downhill and stop in basic natural position / Maintaining the Pflug Fahren position and adjusting the downhill speed (Pflug sliding)
Seventh week	Practical training) Snowplow Turn (Pflug Bogen): Understanding the principles of rotational continuity and vertical movement in Pflug sliding and practice
Eighth week	Mid-term Exam
Ninth week	Practical training) Practicing turns in various ways (pressing the knee from the natural position,scratching the ground, and pushing the heel away)
Tenth week	Practical training) Snowplow Turn (Pflug Bogen and stem turns): Practicing the principles of rotational continuity and vertical movement in snowplow turns and stem turns
Eleventh week	Practical training) Stem turns: Practicing the principles of rotational continuity and vertical movement in stem turns
Twelfth week	Practical training) Overcoming fear by speed: Perform stem turns on a steep slope and practice by increasing the speed limit little by little
Thirteenth week	Practical training) Basic parallel turns: Maintaining and practicing the rotation of both skis in parallel from the first half to the second half of the turn
Fourteenth week	Practical training) Basic short turns: Practice vertical movement and heavier loads to make the turning radius shorter while maintaining the rotation of the two skis parallel
Fifteenth week	Practical training and discussion) Analysis of ski motion and identification of problems and solutions Mock teaching and report: Conduct mock teaching sessions regarding the problems and solutions following the movement analyses through the student's ski posture and ride and submit the reports.
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			



Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Theory and History of Urban Planning	Course Number	0011140001
Major / School Year	Dept. of Urban Policy and Administration / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 다코타 맥카티	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2406:월(4-5A),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

The course aims to provide students with a comprehensive understanding of urban planning theories, historical developments, and contemporary challenges. Through an exploration of the book "Contemporary Urban Planning" by John Levy, the course equips students with critical thinking skills to analyze complex urban issues. Students will learn about the evolution of planning paradigms, the importance of social, political, and economic considerations in planning, and the use of tools and techniques to make informed decisions. The course also addresses current topics like sustainability, smart growth, and equity, fostering an appreciation for inclusive and sustainable urban development. Ultimately, students will be empowered to propose innovative solutions and contribute to creating vibrant and resilient cities.

[2] Course Learning Outcomes

The course aims to provide students with a comprehensive understanding of urban planning principles, historical developments, and contemporary issues. By studying historical milestones and theories, students gain insights into how cities have evolved over time. They learn essential tools for modern planning, examine legal and political aspects, and address social and environmental challenges. The course encourages critical thinking through the exploration of various planning theories and international perspectives. Ultimately, students will be equipped to contribute meaningfully to sustainable and equitable urban development.

[3] Class Delivery Method

This course is structured as a series of lectures and in-class discussions to address key themes from an interdisciplinary perspective for critical engagement with cities and the role of planning in addressing current urban challenges. Participation is expected and required. Students should complete the readings for a given session before coming to class on that day.

It is my goal to create a learning experience that is as accessible as possible. If you anticipate any issues related to the format, materials, or requirements of this course, please meet with me outside of class so we can explore potential options. Students with disabilities may also wish to work with the University's Office of Accessible Education to discuss a range of options to removing barriers in this course, including official accommodations. If you have already been approved for accommodations through the University, please meet with me so we can develop an implementation plan together.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	30 %	10 %	0 %	0 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	0 %	50 %	0 %	10 %	0 %	0 %	0 %

[4] Grading Policies

Attendance:

20% of the final grade. Missing over 1/3 of the scheduled classes, will result in an F for the course.

Exam:

The midterm and final exams will both be 10% of the final grade.

Assignments:

Each of the three assignments make up 20% of the final grade.

① Percentage of grade evaluation

Exam	Attendance	Assignment
20 %	20 %	60 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	John M. Levy	Publisher	Routledge	Textbook	Contemporary Urban Planning	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	<p>Day 1: Welcome and overview of the class Objective: Introduce the course objectives, structure, and learning outcomes. Familiarize students with the importance of urban planning and its role in shaping cities and communities.</p> <p>Day 2: Why urban history and theory? Objective: Understand the significance of studying urban history and theory in contemporary urban planning. Explore how historical developments and theoretical frameworks inform present-day planning practices.</p>
Second week	<p>Day 1: The History of Planning: Part I Objective: Analyze the historical evolution of urban planning and its key milestones. Identify influential planning concepts and figures that have shaped urban development.</p> <p>Day 2: The History of Planning: Part II Objective: Continue examining the history of urban planning, focusing on more recent developments and shifts in planning paradigms. Evaluate the impact of global forces on urbanization.</p>
Third week	<p>Day 1: The Legal Basis of Planning Objective: Understand the legal foundations and regulatory frameworks that underpin urban planning. Explore zoning laws, land-use regulations, and the role of government in shaping urban spaces.</p> <p>Day 2: Planning and Politics Objective: Analyze the intersection of urban planning and political processes. Evaluate the influence of political interests, power dynamics, and public participation on planning decisions.</p>
Fourth week	<p>Day 1: The Social Issues Objective: Explore the social dimensions of urban planning, including housing, equity, social justice, and community engagement. Assess the challenges and opportunities for planners in addressing these issues.</p> <p>Day 2: The Comprehensive Plan Objective: Familiarize students with the comprehensive planning process, its components, and its role in guiding long-term urban development. Analyze case studies of successful comprehensive plans.</p>
Fifth week	<p>Day 1: The Tools of Land-Use Planning Objective: Introduce various tools and techniques used in land-use planning, such as GIS, zoning maps, and spatial analysis. Understand how these tools inform effective planning decisions.</p> <p>Day 2: Urban Design Objective: Explore the principles of urban design and its role in creating functional, aesthetically pleasing, and sustainable urban environments. Analyze case studies of successful urban design projects.</p>
Sixth week	<p>Day 1: Urban Renewal and Community Development Objective: Understand the concepts of urban renewal and community development and their historical context. Evaluate the impacts of these approaches on neighborhoods and communities.</p> <p>Day 2: Transportation Planning Objective: Examine the significance of transportation planning in shaping cities and regions. Analyze various transportation modes, challenges in planning for transportation, and sustainable solutions.</p>
Seventh week	<p>Music playlist presentations Objective: Allow students to present their music playlists related to urban planning themes. Encourage creativity and explore how music reflects urban experiences and planning concepts.</p>
Eighth week	Midterm exams
Ninth week	<p>Day 1: Economic Development Planning Objective: Explore the role of economic development planning in fostering growth, attracting investments, and creating job opportunities. Understand the balance between economic goals and social/environmental considerations in planning.</p> <p>Day 2: Growth Management, Smart Growth, Sustainable Development, and Planning for Catastrophe Objective: Analyze different planning approaches to manage growth sustainably and address potential catastrophes. Discuss the principles of smart growth and sustainable development in urban planning.</p>

Tenth week	<p>Day 1: Environmental and Energy Planning Objective: Understand the importance of environmental and energy planning in creating resilient and ecologically sustainable cities. Explore strategies to mitigate environmental impacts and promote energy efficiency.</p> <p>Day 2: Planning for Metropolitan Regions Objective: Examine the challenges and opportunities of planning in metropolitan regions. Discuss the coordination of planning efforts between multiple municipalities and stakeholders.</p>
Eleventh week	<p>Day 1: National planning in the United States Objective: Explore the role of national-level planning in the United States and how federal policies influence urban development. Discuss federal programs and initiatives that impact urban planning.</p> <p>Day 2: Planning in Other Nations Objective: Compare and contrast urban planning practices in different countries. Analyze international case studies to understand how cultural, political, and economic factors shape planning approaches.</p>
Twelfth week	<p>Day 1: Foundations of Urban Theory Objective: Introduce students to the foundational theories that underpin urban planning. Discuss key concepts from various disciplines, including sociology, economics, and geography, that inform planning theory.</p> <p>Day 2: Planning Theory Objective: Deepen the understanding of planning theory, including rational planning, incrementalism, and communicative planning. Discuss how planning theories influence actual planning practice.</p>
Thirteenth week	<p>Day 1: Debates on Urban Modernity Objective: Analyze debates and critiques surrounding urban modernity and its impact on cities and communities. Explore different perspectives on urbanization and its implications for urban planning.</p> <p>Day 2: Postmodern Urbanism and Critical Urban Theory Objective: Examine postmodern urbanism and critical urban theory as responses to modern planning paradigms. Discuss the relevance of these theories in addressing contemporary urban challenges.</p>
Fourteenth week	<p>Course review Objective: Review key concepts, theories, and case studies covered throughout the course. Provide an opportunity for students to ask questions and clarify their understanding.</p>
Fifteenth week	Final exams
Sixteenth week	

[7] Assignments

The first assignment	assignment	Historiographical essay	submission date	
	purpose			
	procedure & notice	<p>Historiographical essay of around 5 pages of a city of your choice. It has to be a city that you know well and is personally important for you.</p> <p>More directions will be given during the course.</p>		
	references			
The second assignment	assignment	Urban Issues Music Playlist	submission date	
	purpose			
	procedure & notice	<p>Students in groups are required to construct an annotated music playlist of 8–10 songs revolving around one of this course topics.</p> <p>The playlist assignment is to (1) create the annotated playlist (1–3 sentences of description and justification of selection per track) collaboratively and follow it with a 500 words statement explaining the argument/logic of the music list. More directions will be given during the course.</p>		
	references			
The third assignment	assignment	Class reading presentations	submission date	
	purpose			
	procedure & notice	<p>Students will be split into groups and present the weeks readings before the class.</p> <p>The assignment is to (1) read and comprehend the readings (2) prepare a 10–15 minute presentation for the course week and (3) give their presentation to the class.</p>		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	GIS and spatial data analysis		Course Number	0006823001		
Major / School Year	Dept. of Urban Policy and Administration / 2		completion division /Grade evaluation	/		
Department/Professor	Dept. of Urban Policy and Administration / 다코타 맥카티		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number		A weekday / class /	[SY2406:수(2B-3),목(2B-3)]			
Office hours		lecture room				

[1] Outline / Purpose

The purpose of the course is to equip students with fundamental skills and knowledge in Geographic Information Systems (GIS) and its application in spatial data analysis. Through this course, students will gain proficiency in the use of GIS software tools, understand key concepts such as vector data, symbology, georeferencing, data editing, and geoprocessing, and learn to apply these concepts to analyze and visualize spatial data. With a blend of theoretical and practical lessons, including hands-on lab sessions and weekly assignments, the course aims to foster not just understanding, but also the ability to apply learned concepts in real-world scenarios. The course will also contribute to students' preparation for advanced GIS courses and future roles in urban planning, policy, and other fields that utilize spatial data analysis.

[2] Course Learning Outcomes

Upon completion of the course, students will be able to understand and apply core principles and techniques of Geographic Information Systems (GIS) in the context of spatial data analysis. They will gain proficiency in utilizing GIS software tools, importing and visualizing spatial data, and applying symbology and labeling for enhanced data representation. Students will learn to create print layouts, perform data normalization and joins, and create choropleth maps for advanced visualization. They will also master georeferencing techniques, data editing, digitization of polygons, use of OpenStreetMap data, and key geoprocessing operations including reprojecting, buffering, and calculating zonal statistics. Thus, the course will equip students with practical skills to analyze, interpret, and visualize spatial data effectively, preparing them for further studies or careers in fields that rely on GIS.

[3] Class Delivery Method

Each week typically begins with a lecture where key concepts and techniques related to GIS and spatial data analysis are introduced and explained. The lecture is then followed by a hands-on lab session, where students apply the concepts learned from the lecture in a practical, software-based environment, using GIS tools for tasks such as data visualization, georeferencing, and geoprocessing. This learning approach, combining theoretical instruction with practical application, is designed to promote both understanding and skills mastery. Weekly assignments based on the lab exercises provide students with opportunities to practice and demonstrate their learning. The course is punctuated by a midterm and a final exam, allowing for formal assessment of students' understanding and application of the course content.

It is my goal to create a learning experience that is as accessible as possible. If you anticipate any issues related to the format, materials, or requirements of this course, please meet with me outside of class so we can explore potential options. Students with disabilities may also wish to work with the University's Office of Accessible Education to discuss a range of options to removing barriers in this course, including official accommodations. If you have already been approved for accommodations through the University, please meet with me so we can develop an implementation plan together.

㉓ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉔ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance:

20% of the final grade. Missing over 1/3 of the scheduled classes, will result in an F for the course.

Exams:

The midterm exam will be 10% and the final will be 20% of the final grade.

Assignments:

There will be weekly assignments for most weeks during the course assigned at the end of each lab.

㉓ Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	<p>Introduction and Software Setup</p> <p>Lecture: Course Introduction and Overview of GIS Objective: Provide an overview of the course, expectations, and grading. Introduce GIS and its importance in spatial data analysis. Expected Outcome: Students will understand the course structure and the importance of GIS in spatial data analysis.</p> <p>Lab: Software Installation and Configuration Objective: Install and configure necessary software, toolbars, and plugins. Expected Outcome: Students will have a working GIS software setup on their computers. Assignment: Verify the setup by providing screenshots.</p>
Second week	<p>Importing and Visualizing Vector Data</p> <p>Lecture: Introduction to Vector Data Objective: Explain the concept of vector data, its types, and its use in GIS. Expected Outcome: Students will understand what vector data is and how it is used in GIS.</p> <p>Lab: Importing Vector Data and Basic Visualization Objective: Guide students to import vector data into the GIS software and perform basic visualization. Expected Outcome: Students will be able to import and visualize vector data. Assignment: Import a provided vector data file and create a basic visualization.</p>
Third week	<p>Symbology and Labeling</p> <p>Lecture: Understanding Symbology and Labeling Objective: Explain the importance of symbology and labeling in GIS. Expected Outcome: Students will understand the concepts of symbology and labeling and their roles in enhancing data visualization.</p> <p>Lab: Applying Symbology and Labeling Objective: Guide students to apply symbology and labeling to their maps. Expected Outcome: Students will be able to apply symbology and labeling to enhance their data visualization. Assignment: Apply symbology and labeling to a map based on provided vector data.</p>
Fourth week	<p>Creating Print Layouts</p> <p>Lecture: Understanding Print Layouts Objective: Discuss the importance of print layouts in GIS and their role in sharing and presenting data. Expected Outcome: Students will understand the concept of print layouts and their role in GIS.</p> <p>Lab: Creating Print Layouts Objective: Guide students to create a print layout using their maps. Expected Outcome: Students will be able to create a print layout for their maps. Assignment: Create a print layout for a map with applied symbology and labeling.</p>
Fifth week	<p>Joins and Data Normalization</p> <p>Lecture: Understanding Joins and Data Normalization Objective: Introduce the concepts of joins and data normalization and their importance in GIS. Expected Outcome: Students will understand what joins and data normalization are and why they are important in GIS.</p> <p>Lab: Applying Joins and Data Normalization Objective: Guide students to perform joins and data normalization on their maps. Expected Outcome: Students will be able to perform joins and data normalization on their data. Assignment: Perform a join and data normalization on provided data sets.</p>
	<p>Creating a Choropleth Map</p>

Sixth week	<p>Lecture: Choropleth Maps Objective: Discuss the concept and uses of choropleth maps in visualizing spatial data. Expected Outcome: Students will understand what choropleth maps are and how to use them to visualize spatial data.</p> <p>Lab: Creating a Choropleth Map Objective: Guide students to create a choropleth map using their data. Expected Outcome: Students will be able to create a choropleth map. Assignment: Create a choropleth map using a provided data set.</p>
Seventh week	<p>Georeferencing and Basemaps</p> <p>Lecture: Introduction to Georeferencing Objective: Explain the concept of georeferencing and its importance in GIS. Expected Outcome: Students will understand what georeferencing is and why it is important in GIS.</p> <p>Lab: Using Basemaps and Georeferencer Objective: Guide students to use basemaps and the georeferencer in their GIS software. Expected Outcome: Students will be able to use basemaps and the georeferencer. Assignment: Apply georeferencing to a provided map using a basemap.</p>
Eighth week	<p>Midterm Exam</p> <p>Objective: Assess students' understanding of the course content so far. Expected Outcome: Students will demonstrate their understanding of the course content.</p>
Ninth week	<p>Data Editing and Attribute Forms</p> <p>Lecture: Understanding Data Editing and Attribute Forms Objective: Explain the concept of data editing and attribute forms in GIS. Expected Outcome: Students will understand the concepts of data editing and attribute forms.</p> <p>Lab: Data Editing Using Attribute Forms Objective: Guide students to edit data using attribute forms. Expected Outcome: Students will be able to edit data using attribute forms. Assignment: Edit provided data using attribute forms.</p>
Tenth week	<p>Digitizing Polygons</p> <p>Lecture: Introduction to Digitizing Objective: Discuss the concept of digitizing in GIS, focusing on polygon digitization. Expected Outcome: Students will understand the concept of digitizing and the specific case of polygon digitization.</p> <p>Lab: Digitizing Polygons Objective: Guide students to digitize polygons using their GIS software. Expected Outcome: Students will be able to digitize polygons. Assignment: Digitize a polygon from a provided raster image.</p>
Eleventh week	<p>Introduction to OpenStreetMap</p> <p>Lecture: Introduction to OpenStreetMap Objective: Introduce OpenStreetMap and its uses in GIS. Expected Outcome: Students will understand what OpenStreetMap is and how it can be used in GIS.</p> <p>Lab: Downloading and Using OpenStreetMap Data Objective: Guide students to download and use data from OpenStreetMap. Assignment: Download a specific region's data from OpenStreetMap and visualize it.</p>
Twelfth week	<p>Data analysis techniques</p> <p>Lecture: Data analysis techniques Objective: Explain various data analysis techniques that are available with QGIS</p> <p>Lab: Data analysis techniques Objective: Students will be able to do the data analysis techniques on their own Assignment: No assignment</p>
Thirteenth week	One-on-one meetings / workshop
Fourteenth week	One-on-one meetings / workshop
Fifteenth week	Final project submission
Sixteenth week	

[7] Assignments

	assignment	Weekly assignments	submission date	
--	------------	--------------------	-----------------	--

The first assignment	purpose			
	procedure & notice	Weekly assignments based on the labs will be provided and expected to be submitted within a week.		
	references			
The second assignment	assignment	Poster assignment (Final exam)	submission date	
	purpose			
	procedure & notice	More information will be given during the class.		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Urban Planning	Course Number	0001592001
Major / School Year	Dept. of Urban Policy and Administration / 2	completion division / Grade evaluation	/
Department/Professor	Dept. of Urban Policy and Administration / 이동우	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2406:화(4-5A),수(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course explores important substantive areas and concepts in the field of urban and regional planning and current urban planning and policy issues and debates. Thus, this course is intended to help students understand what urban planning activity is, who does it, and to offer insight into why and how it is done in the world and South Korea.

[2] Course Learning Outcomes

This course aims to provide students with the fundamental background of planning and introduce them to the various aspects of urban planning. Specifically, by the end of this course, students are expected to become:

- 1) Familiar with the planning profession, and its various aspects of practice
- 2) Aware of the various approaches to planning analysis and practice
- 3) Familiar with the various challenges faced by planners in promoting sustainable development

[3] Class Delivery Method

This course will be held on-site lectures, including lab sessions.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation and course organization / Intro to urban planning
Second week	Planning? Plan yourself
Third week	Historical perspectives on cities / Brief History of urban planning
Fourth week	Urban design / comprehensive plan & tools of land-use planning
Fifth week	Population
Sixth week	Lab session 1 - Future trend forecasting
Seventh week	Housing, urban renewal and community development
Eighth week	Mid-term
Ninth week	Transportation planning - 1
Tenth week	Transportation planning - 2
Eleventh week	Lab session 2 - Travel demand forecasting - 1
Twelfth week	Lab session 2 - Travel demand forecasting - 2
Thirteenth week	Infrastructure planning and management (food, water, electricity, waste)
Fourteenth week	Policy assessment
Fifteenth week	Final exam preview and final exam
Sixteenth week	Smart cities and future perspectives of urban planning and policy making

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MECHANICS OF MATERIALS	Course Number	EE06041001
Major / School Year	Major of Architectural Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 장정국	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358472	A weekday / class /	[SY2603:월(7-8A),수(5B-6)]
Office hours	Friday 1-3pm	lecture room	

[1] Outline / Purpose

This course provides basic theories on the mechanics of structural materials, focusing on the stress, strain and force-deformation relation of deformable bodies.

[2] Course Learning Outcomes

This course aims at developing students' ability to apply basic mechanics theories to structural analysis and design of buildings.

[3] Class Delivery Method

The course will proceed by the textbook.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
50 %	0 %	50 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Attend 20%, Quiz 20%, Midterm-Exam 30%, Final-Exam 30%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Goodno and Gere	Publisher	Cengage Learning	Textbook	Mechanics of Materials 9th edition	Issued year	2016
(2)	Author		Publisher		Textbook	Handout	Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to course
Second week	Tension, Compression and Shear
Third week	Tension, Compression and Shear
Fourth week	Centroids and Moment of Inertia
Fifth week	Axially Loaded Members
Sixth week	Axially Loaded Members
Seventh week	Torsion
Eighth week	Midterm exam
Ninth week	Stresses in Beams
Tenth week	Stresses in Beams
Eleventh week	Deflection of Beams
Twelfth week	Columns
Thirteenth week	Analysis of Stress and Strain
Fourteenth week	Analysis of Stress and Strain
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Quiz and homework	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENVIRONMENTAL PLANNING IN ARCHITECTURE(2)	Course Number	EPE6123001
Major / School Year	Major of Architectural Engineering / 2	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 박상훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2501:목(5B-6)] [SY2607:화(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

It is important to understand various physical and psychological environments in buildings for enhancing building performance and indoor environmental quality. This course provides the fundamentals of air, lighting and sound environments.

[2] Course Learning Outcomes

- We can understand building environment and boundary conditions in buildings.
- We are able to design building boundary conditions based on the international building codes.
- We can explain the mechanisms of indoor environment.
- We can analysis building environment based on the understandings of IEQ and building airflow mechanisms.

[3] Class Delivery Method

Lecture-oriented classes and problem solving are conducted during class. If you have any questions, please use Office Hour or send an e-mail.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Building and energy, ZEB
Third week	Theory of lighting
Fourth week	Vision and Color
Fifth week	Daylighting
Sixth week	Artificial lightings
Seventh week	In-course examples
Eighth week	Mid-term
Ninth week	Principles of sound
Tenth week	Sound and aural perception
Eleventh week	Room acoustics
Twelfth week	Architectural acoustics design
Thirteenth week	Noise
Fourteenth week	IEQ(Indoor Environmental Quality)
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Architectural Data Analytics and Applications	Course Number	0011150001
Major / School Year	Major of Architectural Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 구충완	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2603:화(7-8A),목(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

1. Understanding of smart building technologies in the 4th industrial revolution
2. Understanding of IoT-based bigdata analytics and applications using excel-based VBA
3. Understanding of Web-based bigdata analytics and applications using Python

[2] Course Learning Outcomes

This course will provide a general understanding of architectural bigdata analytics and applications with computer languages, such as excel-based visual basic applications (VBA) and Python. When entering the field of business, students will be the experts who can perform effective project management with the expertise of architectural bigdata analytics and applications.

[3] Class Delivery Method

1. Lecture : Theory of architectural bigdata analytics and applications
2. Tutorial : Practice of architectural bigdata analytics and applications
3. Evaluation: Examination (mid-term/final), attendance

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	0 %	0 %	40 %	20 %	0 %	0 %	0 %

㉞ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %

[4] Grading Policies

[Evaluation]

1. Mid-term exam (40%), Final exam (40%)

[Attendance]

1. Deduction of 1 point out of 20 points by absence
2. 3 late arrivals equal to 1 absence

@ Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	S. Christian Albright	Publisher	CENGAGE Learning	Textbook	VBA for modelers: Developing Decision Support Systems with Microsoft Office Excel (5th edition)	Issued year	2016
(2)	Author	Park, J.K.	Publisher	Wikibooks	Textbook	Real Estate Data Analysis with Python	Issued year	2019
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Oh, S.H.	Publisher	Information Publishing Group	Textbook	Python - Machine Learning Pandas Data Analytics	Issued year	2019
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	* Topic: Orientation & construction cost management * Contents: Main concept of Architectural Data Analytics and Applications * Source: Handout
Second week	* Topic: Smart building technologies in the 4th industrial revolution * Contents: Real cases of living-lab project management (workers heat stress, VR-based safety training, occupant-oriented facility management, co-working space management, computer vision & object detection, other cases) * Source: Handout
Third week	* Topic: IoT-based bigdata analytics using excel-based VBA (1) * Contents: (Management) Introduction to excel-based VBA, recording macros, InputBox & MsgBox * Source: Handout
Fourth week	* Topic: IoT-based bigdata analytics using excel-based VBA (2) * Contents: (Acquisition) Working with Ranges properties, methods, naming, formatting, and tutorial * Source: Handout
Fifth week	* Topic: IoT-based bigdata analytics using excel-based VBA (3) * Contents: (Pre-processing) Control logic If construction, loops - For construction, and tutorial * Source: Handout
Sixth week	* Topic: IoT-based bigdata analytics using excel-based VBA (4) * Contents: (Diagnostics) Rules in Array construction, exercises looking up, keeping track, merging, and tutorial * Source: Handout
Seventh week	* Topic: Preparation of semester project seminar & feedback * Contents: Project development by all the team members, and feedback with subject examiner * Source: Handout
Eighth week	* Topic: Mid-term exam (out of 40) * Contents: Cumulative scope (3-7 weeks) * Source: Handout
Ninth week	* Topic: Special Lectures * Contents: Applications of smart building technologies in construction industry * Source: Handout
Tenth week	* Topic: Web-based bigdata analytics using Python (1) * Contents: Python syntax for real estate data analysis (with anaconda and jupyter notebook) * Source: Handout
Eleventh week	* Topic: Web-based bigdata analytics using Python (2) * Contents: Applications for dataframe (pandas) and data visualization (seaborn) * Source: Handout
Twelfth week	* Topic: Web-based bigdata analytics using Python (3) * Contents: Applications for open API data (with MOLIT apartment transaction data) * Source: Handout
Thirteenth week	* Topic: Web-based bigdata analytics using Python (4) * Contents: Applications for web crawling (selenium, webdriver) (with starbucks store address data) * Source: Handout
Fourteenth week	* Topic: Preparation of semester project seminar & feedback * Contents: Project development by all the team members, and feedback with subject examiner * Source: Handout
Fifteenth week	* Topic: Final exam (out of 40) * Contents: Cumulative scope (10-14 weeks) * Source: Handout
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	BUILDING EQUIPMENT(2)	Course Number	EPE6025001
Major / School Year	Major of Architectural Engineering / 3	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 박상훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2603:월(5B-6),목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

It is significant to apply building mechanical systems properly in improving and maintaining the environmental quality and energy performance of buildings. This course provides the fundamentals and design of building facilities. In this course, students will learn not only the fundamentals of air conditioning systems compared to Building Equipment 1 in the first semester, but also the types and applications of HVAC systems. Additionally, we will study heat sources, electrical power system, safety facilities, and transportation facilities.

[2] Course Learning Outcomes

- We can learn how to size HVAC and heat sources.
- We can understand the types and applications of building energy systems (HVAC).
- We are able to design building facilities with engineering tools.
- We can study high technologies in building facilities.

[3] Class Delivery Method

Lecture-oriented classes and problem solving are conducted during class. If you have any questions, please use Office Hour or send an e-mail.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Wiley	Textbook	Mechanical and Electrical Equipment for Buildings 13ed	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Types of HVAC systems
Third week	Air distribution system
Fourth week	Heat sources
Fifth week	Radiant heating and cooling system (On-dol)
Sixth week	Automatic controls in buildings
Seventh week	In-class examples
Eighth week	Mid-term
Ninth week	Power supply system
Tenth week	Electrical systems
Eleventh week	Safety facilities
Twelfth week	Transport facilities
Thirteenth week	Lighting systems
Fourteenth week	In-class examples
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Digital Architecture1	Course Number	0008795001
Major / School Year	Major of Architecture and Urban Design / 2	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 이태영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY1306:수(2B-3),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

The class aims at not only allowing students to finally reproduce the space they design, but also enabling 3D modeling software to be used as a design tool from the early stages of architectural design work. Instead of simply attending the class, students are supposed to practice their own ideas (thoughts) to find out the possibilities of the digital tools naturally in the process of effectively developing, expressing, evaluating and supplementing their design ideas.

[2] Course Learning Outcomes

- Using a 3D modeling software to explore and experiment with various forms in the architectural design process (SPC 20)
- Learning and practicing various ways of architectural representation through digital tools (SPC 07)
- Improving ability to express architectural ideas using diverse digital medias (SPC 07)

[3] Class Delivery Method

- In order to learn architectural expression methods using various software, classes will be delivered through practicing sessions and students need to submit assignments following the weekly lectures
- Submission of assignments, midterm and final evaluations are scheduled
- It is strongly recommended to have a basic understanding and knowledge of 3D tools & Adobe CS before joining this class

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	0 %	0 %	30 %	0 %	0 %	0 %	0 %

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	30 %	0 %	0 %	0 %	70 %	0 %

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Robert McNeel & Associates	Publisher	Robert McNeel & Associates	Textbook	Rhino Training Manual Level1	Issued year	2018
(2)	Author	Mode Lab	Publisher	Mode Lab	Textbook	The Grasshopper Primer, Third Edition, V3.3	Issued year	2014
(3)	Author	T-Splines, Inc.	Publisher	T-Splines, Inc.	Textbook	TSplines3 User Manual	Issued year	2011

[Reference books]

(1)	Author	Helmut Pottmann	Publisher	Bentley	Textbook	Architectural Geometry	Issued year	2007
(2)	Author	Tomoko Sakamoto	Publisher	Actar	Textbook	From Control to Design	Issued year	2008
(3)	Author	Juliane Demel	Publisher	BIS Publisher	Textbook	Contemporary Design Methods in Architecture	Issued year	2011
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction – Understanding of Digital Architecture – Introduction to the Rhino interface
Second week	The Rhino Interface & Modelling exercise 01 – The Rhino Interface, Modeling helpers
Third week	The Rhino Interface & Modelling exercise 02 – Precision Modeling
Fourth week	The Rhino Interface & Modelling exercise 03 – Creating Surfaces
Fifth week	The Rhino Interface & Modelling exercise 04 – Editing geometry
Sixth week	3D Modeling of Architectural Elements 01 – 3D Modeling using 2D Architecture Information, Organization and Annotation
Seventh week	3D Modeling of Architectural Elements 02 – Printing and Layouts
Eighth week	3D Modeling of Architectural Elements 03 – Exercise
Ninth week	Interim Test & Submission 01 – 3D geometry modeling – Personal Design Work01
Tenth week	Plug-ins of Rhino 01 – T-Splines
Eleventh week	Plug-ins of Rhino 02 – T-Splines
Twelfth week	Plug-ins of Rhino 03 – Grasshopper
Thirteenth week	Plug-ins of Rhino 04 – Grasshopper
Fourteenth week	Various representation techniques – Learning how to present architectural design – Visualization using Illustrator and Photoshop
Fifteenth week	Final Test & Submission 02 – 3D geometry modeling – Personal Design Work02
Sixteenth week	

[7] Assignments

The first assignment	assignment	Personal Design Work01	submission date	2023-10-27 Fri
	purpose	Exercise of learning at the class		
	procedure & notice	The 3D models of design work should be one of your own design studio works.		
	references	Teaching materials + reference book		
The second assignment	assignment	Personal Design Work02	submission date	2023-12-15 Fri
	purpose	Exercise of learning at the class		
	procedure & notice	The 3D model + represented drawing & diagrams should be your own design studio work of the semester.		
	references	Teaching materials + reference book		
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Design Studio4	Course Number	0006639002
Major / School Year	Major of Architecture and Urban Design / 3	completion division /Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 김한규	Grades/Lecture/ Practice	4 / 0 / 8
Phone Number		A weekday / class /	[SY2605:월(1)(2)(3)(4),목(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

- Design Studio 4 aims for students to understand and apply the basic design elements of architecture/urban design particularly on the social context and technology aspects of the architectural design.
- Investigation on the office building as an architectural typology.
- Improve the ability to express and materialize the architectural thinking by utilizing drawings, physical & digital models and various computer design software.

[2] Course Learning Outcomes

Students will be able to understand and apply following key areas.

- 1) Ability to design a building to meet the various requirements of all user group.(SPC 11)
- 2) Ability to design a building based on the principles of safety, fire protection, and egress. (SPC 12)
- 3) Ability to understand and integrate building systems such as structure, building envelop, mechanical and electrical services in design projects (SPC13)

[3] Class Delivery Method

Critic (Desk-Crit, Group Review, Pin up, Presentation, Lecture (Professor, School Lecture Series (TBD)

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Course Ethics

- All work must be done by him/herself
- The source of reference materials shall be identified.

Attendance

- In case of absence, report to the professor in advance and submit supporting documents afterwards.

Evaluation

- Assignments should be submitted in timely manner

Evaluation Criteria

- Creativity, Craftmanship, Design, Development Process, Presentation

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Guy Marriage	Publisher	Routledge	Textbook	Tall: the design and construction of high-rise architecture	Issued year	2019
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Building Construction Illustrated	Publisher	Wiley	Textbook	Building Construction Illustrated	Issued year	2020
(2)	Author <th>Andrea Deplazes</th> <th>Publisher</th> <th>Birkhuser Architecture</th> <th>Textbook</th> <th>Constructing Architecture</th> <th>Issued year</th> <th>2008</th>	Andrea Deplazes	Publisher	Birkhuser Architecture	Textbook	Constructing Architecture	Issued year	2008
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Introduction – Project Brief : site, program, assignment, Schedule – Precedent Studies
Second week	Lecture: Office Design Precedent Study – Analysis of Precedent Studies – Physical Site Model (1:300)
Third week	Site Research – Analysis of Neighborhood Studies (plan, section, history, etc.) – Preliminary program – Preliminary massing – Digital Site Model
Fourth week	Lecture: Accessible Design Concept Design 01 – Massing Concepts & Program Concepts
Fifth week	Concept Design 02 – Massing Concepts & Program Concepts
Sixth week	Concept Design Development 01 – Massing Development Concepts – Site Plan, Plans, Sections, Models
Seventh week	Concept Design Development 02 – Massing Development Concepts – Site Plan, Plans, Sections, Models
Eighth week	Mid-Review
Ninth week	Field Trip (TBD)
Tenth week	Lecture: Safety & Fire Protection Design Development 01 – Spatial Development – Development of site plan, plans, sections – Accessible Design, Egress Plan
Eleventh week	Lecture: Integrated Building System Design Development 02 – Spatial Development, Preliminary Building Systems Integration (Structure, MEP) – Development of site plan, plans, sections – Accessible Design, Egress Plan – Site Model (1:200)
Twelfth week	Design Development 03 – Development of site plan, plans, sections – Accessible Design, Egress Plan
Thirteenth week	Design Development 04 – Envelope, Material Development – Development of the drawing set
Fourteenth week	Preparation for Final Review – Preparation for the final products – Preparation of the report (Accessible Design, Egress Plan, Building systems) – Presentation, Panel, Model (1:200), Drawing Set
Fifteenth week	Final Review
Sixteenth week	

[7] Assignments

The first assignment	assignment	Case Study Booklet (Group)	submission date	
	purpose			
	procedure & notice	Student's case studies will be combined into a booklet and will be shared among students as a design reference		
	references			
The second assignment	assignment	Mid Presentation	submission date	
	purpose			
	procedure & notice	Presentation, Panel, Model, Drawing set		

	references			
The third assignment	assignment	Final Presentation	submission date	
	purpose			
	procedure & notice	Presentation, Panel, Model, Drawing set		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Contemporary Urban Planning Theories and Cases	Course Number	0011154001
Major / School Year	Major of Architecture and Urban Design / 4	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 최정윤	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2501:월(2B-3),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course is a foundational class that explores cities and their influence on architectural design. It provides an overview of the professional activities carried out under the name "city" at the present time. The course covers comprehensive topics related to urban planning and design, as well as recent issues in city design.

[2] Course Learning Outcomes

This course aims to provide students with the fundamental background of planning and introduce you to the various aspects of urban planning & urban design. Specifically, by the end of this course, students are expected to become:

- 1) Familiar with the urban planning & design profession, and its various aspects of practice
- 2) Aware of the various approaches to urban analysis and practice
- 3) Familiar with the various challenges faced by planners in promoting sustainable development

[3] Class Delivery Method

This course consists of weekly themed lectures and student presentations. Throughout the semester, students will be required to complete mini-essays and team presentations. (Please note that the schedule and readings below are subject to change based on the number of participants and individual student interests.)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
30 %	20 %	50 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Bosunggak	Textbook	Urban Planning	Issued year	2016
(2)	Author	Publisher		Textbook	Understanding Urban design	Issued year	2014
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course over view; Introduction to Urban planning & design
Second week	What is Urban planning & Urban design?
Third week	Process of Urban planning & design
Fourth week	Understanding Urban planning and design in Korea
Fifth week	Urban Place & Function
Sixth week	Field Trip
Seventh week	Urban housing and neighborhood
Eighth week	Neighborhood design & everyday life
Ninth week	Tools to understand the city
Tenth week	Reading historic cities
Eleventh week	Sustainable development and urban heritage
Twelfth week	Urban Culture, Content Planning, and Management
Thirteenth week	Shift in Urban Planning and Design – Part 1
Fourteenth week	Shift in Urban Planning and Design – Part 2
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Urban Design Studio2	Course Number	0011170001
Major / School Year	Dept. of Urban Engineering / 3	completion division / Grade evaluation	/
Department/Professor	Dept. of Urban Engineering / 한소영	Grades/Lecture/ Practice	3 / 0 / 6
Phone Number		A weekday / class /	[SY2304:목(4)(5)(6)(7)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

이 스튜디오에서는 도시 장소의 사례연구를 통하여 도시설계/계획의 대상인 장소의 (1) 형태와 구조, (2) 기능과 인식, (3) 생성과 변화과정, (4) 관련 가치, 쟁점에 대한 이해를 높임으로써, 효과적이며 균형적 시각을 갖춘 도시설계/계획가의 기본소양을 연마하는 데에 목적을 둔다.

[2] Course Learning Outcomes

이 스튜디오에서는 주어진 사례에 대한 학생들의 (1) 면밀한 관찰, (2) 관련문헌의 체계적인 독서, (3) 습득한 자료 및 지식의 명료한 논술, (4) 관찰결과에 대한 효과적이며 창의적인 시각적 표현을 함양하는 데에 주력한다.

[3] Class Delivery Method

강의 및 토론을 기본으로 하며, 최종 설계안 프리젠테이션 단계별 사례연구 및 독서노트 작성

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Kevin Lynch	Publisher	MIT Press	Textbook	A Theory of Good City Form	Issued year	
(2)	Author	Allan Jacobs	Publisher	MIT Press	Textbook	Great Streets	Issued year	
(3)	Author	촌 레비 지음 (서종원, 변창흠 역)	Publisher	한울 아카데미	Textbook	현대도시계획의 이해	Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	스튜디오 소개 - 조 편성 및 대상지 선정
Second week	1. 장소의 형태와 구조 11. 평면구조: topology and cell - 가구, 필지, 건축선, 제 경계선
Third week	12. 입체구조: volumetrics - 용적, 입도, void/solid
Fourth week	13. 연결구조: 네트워크와 교호구조 - 교통(모드별), 소통
Fifth week	2. 장소와 사람 21. 점유, 거주와 영역성 -1단락 사례연구정리
Sixth week	22. 이용, 기능, 작용
Seventh week	23. 지각과 인식:이미징과 의미화
Eighth week	24. 공공공간과 사적공간
Ninth week	3. 장소생성과 변화의 주체와 기제 31. 장소변화의 양태와 유형 -2단락 사례연구 정리
Tenth week	32. 시장 기제 - market
Eleventh week	33. 공공개입- 정책/계획/설계/사업
Twelfth week	4. 가치와 규범 - 공공성의 추구 41. 좋은 장소의 조건
Thirteenth week	42. "도시경쟁력"과 효율성
Fourteenth week	43. 가치갈등과 사회정의
Fifteenth week	44. '탈성장시대' 도시계획/설계의 과제와 임무 - 종합토론 -4단락 독서과제 정리
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Urban Sociology	Course Number	0011178001
Major / School Year	Dept. of Urban Engineering / 4	completion division / Grade evaluation	/
Department/Professor	Dept. of Urban Engineering / 한소영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2304:화(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

21세기 도시는 경제/정치/문화/사회의 글로벌/로컬 관계망이 교차하는 구성체이다. 이러한 도시를 올바르게 이해하고 효과적으로 대처하려면 전통적인 도시공학의 한정된 시각을 넘어 진/선/미의 세계를 아우르는 다차원적인 접근이 요구되며 다분야적인 지식기반이 요구된다. 이 과목에서는 도시공학의 다양한 관점들을 섭렵한다.

[2] Course Learning Outcomes

이 과목에서는 도시계획/도시설계 뿐 아니라 지리학/사회학/정치학등 여러 분야의 다양한 관점에서 쓰여진 도시관련 논문들을 함께 읽고 토론함으로써 도시에 대한 인식기반을 넓히고 아울러 영어 논문의 독해력을 높이는 데에 목적을 둔다.

[3] Class Delivery Method

강의 및 토론

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gary Bridge and Sophie Watson (eds)	Publisher	Blackwell	Textbook	A Companion to the City	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	수업소개
Second week	I.IMAGING CITIES 1. Garry Bridge and Sophie Watson, City Imaginaries
Third week	I.IMAGING CITIES 2. John Rennie Short, "Three Urban Discourses"
Fourth week	I.IMAGING CITIES 5. James Donald, The Immaterial City: Representation Imagination, and Media Technologies
Fifth week	II. THE ECONOMY AND THE CITY 11. Ash Amin, The Economic Base of Contemporary Cities
Sixth week	II. THE ECONOMY AND THE CITY William Clark, Monocentric to Polycentric: New Urban Forms and Old Paradigm
Seventh week	II. THE ECONOMY AND THE CITY 15. Saskia Sassen, Analytic Borderlands: Economy and Culture in the Global City
Eighth week	III. CITIES OF DIVISION AND DIFFERENCE 23. Peter Marcuse, Cities in Quarters
Ninth week	III. CITIES OF DIVISION AND DIFFERENCE 26. Frank Mort, The Sexual Geography of the City
Tenth week	III. CITIES OF DIVISION AND DIFFERENCE 28. Chris Hamnett, Gentrification, Postindustrialism, and Industrial and Occupational Restructuring in Global Cities
Eleventh week	IV. PUBLIC CULTURES AND EVERYDAY SPACE 32. Richard Sennet, Reflections on the Public Realm
Twelfth week	IV. PUBLIC CULTURES AND EVERYDAY SPACE John Urry, City Life and the Senses
Thirteenth week	IV. PUBLIC CULTURES AND EVERYDAY SPACE Christopher Boyer, "X Marks the Spot: Time Square Dead or Alive?"
Fourteenth week	V.URBAN POLITICS AND URBAN INTERVENTIONS Patsy Healy, Planning in Relational Space and Time: Responding to New Urban Relations
Fifteenth week	V.URBAN POLITICS AND URBAN INTERVENTIONS Frank Tonkiss, :Social Justice and the City: Equity, Cohesion and the Politics of Space
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Architectural Design Basics 2	Course Number	0009518002
Major / School Year	Division of Architecture & Urban Design / 1	completion division / Grade evaluation	/
Department/Professor	Division of Architecture & Urban Design / 최정윤	Grades/Lecture/ Practice	3 / 0 / 6
Phone Number		A weekday / class /	[SY1313:수(1-2A)(2B-3)(4-5A)(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This is a course for freshman to acquire basic knowledge for architectural design. The purpose is to develop basic design skills through the development of architectural communication skills, expression skills, and architectural thinking. In the first half, the students will focus on the basic drawings of architects and learn how to express architectural ideas. In the second half, based on understanding human scale and observing physical environment, the students will focus on designing the simple architectural space and express the space in drawings and models.

[2] Course Learning Outcomes

Cultivate various design skills (drawings, sketches, models, documents, oral presentations, etc.) necessary for the architectural design process (SPC 7), understand the basic design principles for designing an architectural space, and develop creative forms and provide alternatives to space (SPC 8).

- 1) Learn the basic principles of form and space composition that form the basis of architectural drawings
- 2) Understand how to construct a 3D space considering the human scale, experience, activity, and occupation.
- 3) Apply three-dimensional form, light, view, and movement to spatial design
- 4) Express architectural ideas through sketches, drawings and models

[3] Class Delivery Method

First half: The students will focus on the architect's drawings through both lecture and practice. By drawing and making models of existing buildings, the student will practice the relationship between two-dimensional drawings and three-dimensional space.

Second half: The student will plan a small space based on observation of various human activities and understanding of human scale. Through this, students will learn how to express their ideas through drawings.

* Offline / Online class information *

In the Fall semester of 2022 [Architectural Design Basics 2], some class methods may be changed according to the Corona 19 response policy. For further information on classes, please check the notice of LMS.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
15 %	15 %	0 %	70 %	0 %	0 %	0 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	10 %	0 %	90 %	0 %

[4] Grading Policies

Project 1. Presentation of architect's drawings (5%) and practicing the drawings (15%)

Project 2-1. Reinterpretation of architectural works and drawing expression tasks (15%)

Project 2-2. Three-dimensional unit space design (45%) - design completeness (25%), drawing representation (20%)

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Francis. D., K. Ching.	Wiley	Design Drawing	2010
(2)	Francis. D., K. Ching.		Architectural Graphics	2009
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	David Derrie	Laurence king Publishing	Architectural Drawings	2014
(2)	Julia MacMorrough	Rockport Publishers	Drawings for Architects: How to Explore Concepts	2015
(3)				
(4)				

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Introduction(Introduction of course and Project 1)
Second week	Group presentation on the Selected Architecture
Third week	Understanding and Expression of Plans
Fourth week	Understanding and Expression of Elevation and Section
Fifth week	Understanding and Practice of 3D Drawings
Sixth week	Model (scale 1/100)
Seventh week	Introduction of Project 2
Eighth week	Basic Design 1: concept and idea sketch
Ninth week	Basic Design 2: study model
Tenth week	Basic Design 3: Light, Perspective, Movement, 3D Space Expression
Eleventh week	Evaluation & Discussion: Project2-1
Twelfth week	Design Progress 1: Plan, Section
Thirteenth week	Design Progress 2: Plan, Section Complementation / 3D drawing
Fourteenth week	Design Progress 3: Drawing Complementation, Model(scale 1/50)
Fifteenth week	Evaluation & Discussion: Project2-2
Sixteenth week	Supplement week Portfolio submission

[7] Assignments

The first assignment	assignment	Understanding Architectural Drawings	submission date	
	purpose	Cultivating basic skills (drawings, sketches, presentations) necessary for the architectural design process		
	procedure & notice	[Note] - Understanding Architectural Drawings: Completed Results (each A3 drawing scan file: 300dpi.jpg) - Presentation Materials on Architect's house(pdf, ppt) - Space design: Completed results (each A3 drawing scan file: 300dpi.jpg) / panel photos (pdf, jpg) /model photos (300dpi, jpg) - Portfolio (pdf, ppt)		
	references			
The second assignment	assignment	Spatial Design	submission date	
	purpose	Based on architectural ideas, various methods such as sketches and models are used to appropriately express form and space.		
	procedure & notice	[Note] - Scanned or photographed images should comply with the stated size and resolution so that there is no distortion in color and shape or cracks in printing. - Each students pdf file is Student_Name_Parking_Content - Submit your portfolio in the last week - The final panel should be unified as A1 (vertical). - The deadline for submitting CDs and USBs is the official end of the class,		

		and the representative of each class should gather and submit it to the professor in charge for confirmation. If the file is not submitted or if the image of a specific assignment is missing, it will be considered that the assignment was not completed during the semester.		
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MECHANICS OF MATERIALS	Course Number	EPD6089001
Major / School Year	Dept. of Civil and Environmental Engineering / 2	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 심형보	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358085	A weekday / class /	[SI337:화(2)(3),목(3)]
Office hours		lecture room	

[1] Outline / Purpose

The subjects in this course include the fundamental concepts as stresses, deformations/strains, and their relationship, which are basically required for the analysis and design of structural members subjected to tension, compresseion, torsion, and bending.

[2] Course Learning Outcomes

This course aims to provide students with the concepts of statics and mechanics of materials, which is basically required for the analysis and design of civil infrastructures.

[3] Class Delivery Method

After covering the theory of each subject in class, some examples as well as assignments will be provided to help students practice and deepen their understanding. Assignments will normally be provided each week and due the following week in class (unless otherwise noted).

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
100 %	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGraw-Hill Education	Textbook	Statics and Mechanics of Materials	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	CENGAGE Learning	Textbook	Mechanics of Materials (Brief Edition)	Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Concept of stress
Third week	Concept of stress
Fourth week	Stress and strain – axial load
Fifth week	Stress and strain – axial load
Sixth week	Pure bending
Seventh week	Pure bending
Eighth week	Midterm exam
Ninth week	Analysis and design for beams
Tenth week	Analysis and design for beams
Eleventh week	Shear stress
Twelfth week	Transformation of stresses
Thirteenth week	Transformation of stresses
Fourteenth week	Deflection of beams
Fifteenth week	Deflection of beams
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	STRUCTURAL MECHANICS(2)	Course Number	EPD6018001
Major / School Year	Dept. of Civil and Environmental Engineering / 3	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 허종완	Grades/Lecture/ Practice	2 / 1 / 2
Phone Number		A weekday / class /	[SI337:월(1),수(1)(2)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides students with a clear and thorough presentation of the theory and application of structural analysis as it applies to trusses, beams, and frames.

[2] Course Learning Outcomes

Analysis of Statically Determinate Structures

[3] Class Delivery Method

The course will proceed by the textbook.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
100 %	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	R.C.Hibbeler	Publisher	Prentice Hall	Textbook	Structural Analysis	Issued year	2009
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Chapter 7
Second week	Chapter7 Quiz1
Third week	Chapter8
Fourth week	Chapter8 Quiz2
Fifth week	Chapter9
Sixth week	Chapter9
Seventh week	Chapter9 Quiz3
Eighth week	Midterm Exam
Ninth week	Chapter10
Tenth week	Chapter10
Eleventh week	Chapter10
Twelfth week	Chapter11 Quiz4
Thirteenth week	Chapter11
Fourteenth week	Chapter12
Fifteenth week	Chapter12 Quiz5
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Reinforced Concrete Engineering and Design2	Course Number	0011204001
Major / School Year	Dept. of Civil and Environmental Engineering / 3	completion division / Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 이승정	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI434:화(4)(5),수(4)]
Office hours		lecture room	

[1] Outline / Purpose

Reinforced concrete is ubiquitous in civil infrastructures. As the second part of the reinforced concrete lecture provided in the department, we discuss the mechanics and the experimental data of reinforced concrete structures under torsion and compression combined with bending. Based on the discussion, we learn how to design the reinforced concrete structures subjected to various loading conditions. The major concern of the class is the design process but the detailed mechanical background of all the subjects discussed here will be given. The prerequisite for this class includes 'statics', 'mechanics of materials', 'structural analysis' and 'reinforced concrete engineering and design1'.

[2] Course Learning Outcomes

Learn how to design reinforced concrete structures such as beams, slab, and column, etc.
Learn design method about reinforced concrete structures and apply to real structure design.

[3] Class Delivery Method

Lectures will be given in this class using slides and blackboard. Exercise problems related to the practical design are also considered in this class. Exercise problems in the text book are chosen for homework assignment.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	10 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	60 %	0 %	0 %	0 %	0 %	20 %

[4] Grading Policies

Midterm exam (30%), final exam (30%), assignment (20%), attendance (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

No.	Author	Publisher	Textbook	Issued year
(1)	J.K. Wight, J.G. Macgregor	Pearson	Reinforced concrete: mechanics and design (dont have to buy)	2016
(2)	Young-Soo Yoon, Juha Lee	CIR	Mechanics & design of reinforced concrete (5th edition) (written in Korean)	2022
(3)				

[Reference books]

No.	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction and Review of Bending and Shear Design1
Second week	Review of Bending and Shear Design2
Third week	Review of Bending and Shear Design3
Fourth week	Bond Development1
Fifth week	Bond Development2
Sixth week	Compression Combined with Bending: Column1
Seventh week	Compression Combined with Bending: Column2
Eighth week	Midterm
Ninth week	Torsion1
Tenth week	Torsion2
Eleventh week	Serviceability1
Twelfth week	Serviceability2
Thirteenth week	Slab
Fourteenth week	Footing
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENVIRONMENTAL HYDRAULICS	Course Number	EPD6108001
Major / School Year	Dept. of Civil and Environmental Engineering / 3	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI337:월(8)(9)] [SI434:수(7)]
Office hours		lecture room	

[1] Outline / Purpose

This course is aimed to study the behavior of water at rest & in motion and to learn the hydraulics related to water environment. The course deal with fluid statics, fluid dynamics, open channel hydraulics, sediment transport for understanding the flow characteristics in real system. Students will learn the methodologies to analyze and solve various hydraulic problems based on fundamental principles of water flow. It is intended for students who concerned with water engineering.

[2] Course Learning Outcomes

- Recognize the basic principles of flow
- Identify the relationship between the basic equation of the flow and the phenomena occurring in the actual flow
- Recognize the types of water flow in various circumstance
- Sediment transport in open channel flow
- HEC-RAS Practice for steady flow analysis

[3] Class Delivery Method

This course will be a combination of lectures and discussions. Computer simulation/practice included.

ⓐ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

ⓐ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	A. Osman Akan	Publisher	Open Channel Hydraulics	2006
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course instructions and fluid statics
Second week	Fluid dynamics
Third week	Open channel hydraulics (mean velocity of uniform flow, shear force under uniform flow and the best hydraulic section)
Fourth week	Open channel hydraulics (specific energy and critical depth), Froude number and state of flow and critical slope)
Fifth week	Open channel hydraulics (specific force, definition of hydraulic jump, determining the length and location of hydraulic jump)
Sixth week	Open channel hydraulics (backwater curve and classification of flow profiles)
Seventh week	Open channel hydraulics (computation of flow profiles in gradually varied flows)
Eighth week	Mid-term Test
Ninth week	Fluid resistance and the boundary layer theory
Tenth week	Discharge measurements in pipe & openchannel flow
Eleventh week	Sediment transport and properties of sediment particles
Twelfth week	Suspended load and bed load Groundwater, Darcy's law and permeability coefficient
Thirteenth week	Practice of HEC-RAS (River simulations)(1)
Fourteenth week	Practice of HEC-RAS (River simulations)(2)
Fifteenth week	Final-term Test
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CAPSTONE DESIGN		Course Number	EPD6126001		
Major / School Year	Dept. of Civil and Environmental Engineering / 4		completion division / Grade evaluation	/		
Department/Professor	School of Urban and Environmental Engineering / 허종완		Grades/Lecture/ Practice	3 / 3 / 0		
Phone Number			A weekday / class /	[SI337:월(4),수(5)(6)]		
Office hours			lecture room			

[1] Outline / Purpose

종합적 과정으로 팀워크를 구성하고, 1학년부터 4학년 1학기까지 습득한 건설환경 관련 모든 내용을 하나의 창의적 프로젝트로 구성하여 설계 및 제작하게 한다. 또한 이러한 과정을 3차에 걸쳐 설계 목적, 설계당위성 및 진행과정 등을 발표하게 함으로써 팀워크 능력 배양과 구두 발표 능력을 향상하게 한다. 그리고 최종적으로 보고서를 작성토록 함으로써, 보고서 작성능력을 향상하게 된다.

[2] Course Learning Outcomes

건설환경공학전공에서 배운 지식을 바탕으로 학생들이 창의적으로 설계하여 분석하고, 제작하여 시험하는 공학적 설계 전 과정을 거치면서 산업 현장에서 필요한 설계 프로세스를 경험한다. 주어진 목표를 달성하기 위한 다양한 방법들을 개발하고, 토론하는 과정에서 팀워크 능력도 습득하게 된다. 또한 발표 기술을 습득하여, 본인들의 구상을 상대방에게 효율적으로 전달하는 능력도 배양하게 된다.

[3] Class Delivery Method

강의방식과 토론형식 및 발표형식을 포함하여 교수

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	10 %	20 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	30 %	0 %	10 %	0 %	50 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	김경천 외 7인	Publisher	시그마프레스	Textbook	창의적 공학설계	Issued year	2005
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	조문수 외 3인	Publisher	ITC	Textbook	공학설계입문	Issued year	2005
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to capstone design Course outlines
Second week	Understandings of capstone design Developing project ideas
Third week	Forming project team groups
Fourth week	Steps and processes of capstone design
Fifth week	Project scheduling Professional ethics
Sixth week	Kick-off presentation of capstone design project by each team group
Seventh week	Technics and methods of producing technical papers
Eighth week	Goal setting and building up check-list of each capstone design project
Ninth week	Problem identification and solution process establishment for each capstone design project
Tenth week	Interim presentation of capstone design project by each team group
Eleventh week	Interviews with each capstone design project group I
Twelfth week	Interviews with each capstone design project group II
Thirteenth week	Interviews with each capstone design project group III
Fourteenth week	Final presentation of capstone design project by each team group
Fifteenth week	Final presentation of capstone design project by each team group
Sixteenth week	Submit final reports

[7] Assignments

The first assignment	assignment	과제 계획 발표	submission date	2022-09-15 Thu
	purpose	과제를 계획하고 제안할 수 있다		
	procedure & notice	조별 과제계획의 선정배경, 진행계획, 방법론 등을 발표		
	references	주교재		
The second assignment	assignment	과제 중간발표	submission date	2022-10-27 Thu
	purpose	팀의 구성원으로서 역할을 수행하고 효과적인 의사전달을 할 수 있다.		
	procedure & notice	조별 과제의 중간진행상황을 방법론과 자료수집현황 및 분석 내용을 중심으로 발표		
	references	주교재		
The third assignment	assignment	과제 최종발표	submission date	2022-12-15 Thu
	purpose	현실적인 제한요소를 반영하여 시스템을 설계하고 문제점을 발견 및 해결할 수 있다.		
	procedure & notice	최종설계된 내용을 중심으로 결과와 결과의 해석, 결과의 활용 및 한계 등을 중심으로 발표		
	references	주교재		

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	CAPSTONE DESIGN		Course Number	EPD6126002		
Major / School Year	Dept. of Civil and Environmental Engineering / 4		completion division /Grade evaluation	/		
Department/Professor	School of Urban and Environmental Engineering / 안정규		Grades/Lecture/ Practice	3	/	3 / 0
Phone Number		A weekday / class /	[SI337:월(5),수(7)(8)]			
Office hours		lecture room				

[1] Outline / Purpose

건설환경공학부에서 4년간 습득한 전공 및 기초공학, 과학 내용을 하나의 창의적인 프로젝트로 구성하여 설계와 제작, 모형 구성 등을 한다. 설계 목표의 제안, 기존 설계 및 공학적 방법의 응용, 해당 문제에 대한 적용방안의 제시를 2차에 걸친 발표를 진행한다. 최종적으로 전반적인 과정에 대한 논문을 작성하고 발표하여 제안된 방안에 대한 표현방법을 습득한다.

[2] Course Learning Outcomes

창의적인 설계, 분석, 모형제작, 수치모의를 통하여 전과정에 대한 이해도를 높이고, 팀워크를 바탕으로 설계 및 연구를 진행하여 목표 달성을 위한 협업의 방안을 채택하는 것이 목표중 하나이다. 또한 설계 또는 제안된 공학적 방안, 새로운 기법에 대한 논리적이고 효과적인 문건 작성과 발표를 통하여 표현 능력을 증진하는 것을 목표로 한다.

[3] Class Delivery Method

강의 및 팀별 토론, 설계, 발표를 진행한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	10 %	20 %	10 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	30 %	0 %	10 %	0 %	50 %	10 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction to capstone design
Second week	Understandings of capstone design
Third week	Project team groups
Fourth week	Steps and processes of capstone design
Fifth week	Project scheduling Professional ethics
Sixth week	Kick-off presentation of capstone design project by each team group
Seventh week	Technics and methods of producing technical papers
Eighth week	Goal setting and building up check-list of each capstone design project
Ninth week	Problem identification and solution process establishment for each capstone design project
Tenth week	Interim presentation of capstone design project by each team group
Eleventh week	Interviews with each capstone design project group I
Twelfth week	Interviews with each capstone design project group II
Thirteenth week	Interviews with each capstone design project group III
Fourteenth week	Final presentation of capstone design project by each team group
Fifteenth week	Submit final reports
Sixteenth week	

[7] Assignments

The first assignment	assignment	연구계획 발표	submission date	
	purpose	계획의 당위성에 대한 발표		
	procedure & notice			
	references			
The second assignment	assignment	과제 중간 발표	submission date	
	purpose	팀별 역할분담 및 진행사항에 대한 논리적, 효과적 설명		
	procedure & notice			
	references			
The third assignment	assignment	최종 발표	submission date	
	purpose	문제점에 대한 공학적 대안 또는 새로운 지식에 대한 효과적이고 논리적인 설명		
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	IT River Engineering	Course Number	0011209001
Major / School Year	Dept. of Civil and Environmental Engineering / 4	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 변성준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SI434:수(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

Engineers engaged in river engineering need a combined knowledge of hydrology, hydrology, and IT(as known as Smart Technology) to understand rivers and utilize them efficiently and to minimize river-related damage. In this course, students will learn basic knowledge necessary for river management and methods for smart river management.

[2] Course Learning Outcomes

In this course, we would like to conduct the class with two goals: understanding the impact of rivers by the changing environment and an engineering approach to rivers. First of all, it is important to clearly understand the changes in rivers and basins. And based on this, we understand the latest technologies applicable to rivers and the operation of IT-based rivers and river structures.

[3] Class Delivery Method

There are no main textbooks necessary for the class, and they can be issued before class if necessary. Most explanations or lectures are conducted through lecture slides and editions. Since this course is aimed at senior undergraduates (mainly senior students and at least junior(3rd grade) students), other engineering mathematical and physical basic knowledge is required. The task consists of approaches, calculations, and modeling techniques to the problem of rivers and requires to present engineering solutions.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	30 %	10 %	0 %	0 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
40 %	0 %	50 %	0 %	0 %	0 %	0 %	10 %

[4] Grading Policies

Active students will have 10 % of motivation.
50 % and 30 % will be evaluated by exams and home works, respectively.
3 days (9 hours) absence without prior approval is automatic F grade.

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Introduction to engineering Classification of river
Third week	Function of river
Fourth week	Basin and river characteristics
Fifth week	Precipitation and runoff
Sixth week	Flood routing
Seventh week	Design river discharge
Eighth week	Mid-term
Ninth week	River survey and IoT application
Tenth week	River hydraulics and smart analysis
Eleventh week	Sediment transport and smart analysis
Twelfth week	Water quality analysis
Thirteenth week	River restoration plan
Fourteenth week	River management plan
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Computation of water stage	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	River flow characteristics	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment	Software Application	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Environmental Data and Analysis	Course Number	0006061001
Major / School Year	Dept. of Environmental Engineering / 2	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 이희관	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SC104:화(6)(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

- In the field of environmental engineering, understanding concerned environmental status or situation would be crucial for engineers' task to carry out. There exists plenty amount of data / information available and useful for field work. In the process, the theories and principals for statistics and data analysis would be required and provided for this course.
- Students will be introduced to a wide range of environmental data / information in order to provide them available sources and experience of the values. Students will also review and analyze latest version of domestic and worldwide environmental information to open their future vision.

[2] Course Learning Outcomes

- Review different environmental information / data
- Understand the fundamentals of environmental statistics
- Practice environmental data processing
- Practice the manner of scientific communication via term project

[3] Class Delivery Method

- Join to the lecture
- Prepare and share seminar presentations
- Collect and analysis current facts on indoor air quality

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	O'Reilly Media	Textbook	Foundations for Analytics with Python	Issued year	2016
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher	O'Reilly Media	Textbook	Python for Data Analysis, 2nd Edition	Issued year	2017
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Intro.
Second week	Python Basics
Third week	Python Basics
Fourth week	comma-Separated Values (CSV) Files
Fifth week	comma-Separated Values (CSV) Files
Sixth week	Exel Files
Seventh week	Exel Files
Eighth week	Term Project
Ninth week	Figures and Plots
Tenth week	Figures and Plots
Eleventh week	Descriptive Statistics and Modeling
Twelfth week	Descriptive Statistics and Modeling
Thirteenth week	Time Series
Fourteenth week	Time Series
Fifteenth week	Conference for Term Project
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Environmental Quality Modeling	Course Number	0003739001
Major / School Year	Dept. of Environmental Engineering / 3	completion division /Grade evaluation	/
Department/Professor	School of Urban and Environmental Engineering / 이희관	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SC105:수(5)(6)(8)]
Office hours		lecture room	

[1] Outline / Purpose

대기로 배출된 오염물질은 풍향, 풍속, 난류의 정도와 같은 기상 조건과 지형 및 지물 등에 따라 다르게 확산되므로 이러한 대기오염 물질의 농도 예측을 위해서 대기 모델링을 수행하게 된다. 대기질 관리를 위한 접근 방법의 하나로써 현재 널리 이용되고 있는 여러 종류의 모델을 살펴보고, 그 특징과 적용방법에 대해 이해한다.

[2] Course Learning Outcomes

대기오염 물질을 예측하기 위한 대기 모델링에 쓰이는 모델을 살펴보고, 오염물질 종류에 따라 적용 가능한 모델을 이해하고자 한다. 또한 도시에서 나타나는 광화학 물질과 먼지에 대해 적용하는 광화학모델 및 기상모델에 대해서도 알아본다.

[3] Class Delivery Method

강의, 토론

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	%	20 %	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	%	%	%	%	%	80 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Course Introduction
Second week	The problem – Air Pollution problem
Third week	Mathematical modelingv
Fourth week	Air Pollution meteorology
Fifth week	Meteorological modeling (ex : MM5)
Sixth week	Gaussian Model 1
Seventh week	Gaussian Model 2
Eighth week	Eulerian Dispersion model 1
Ninth week	Eulerian Dispersion model 2
Tenth week	Larangian dispersion model 1
Eleventh week	Larangian dispersion model 1
Twelfth week	Receptor models
Thirteenth week	Project 1
Fourteenth week	project 2
Fifteenth week	Discussion
Sixteenth week	Final test

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ANIMAL PHYSIOLOGY	Course Number	BD06007001
Major / School Year	Major of Biological Sciences / 2	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 권형욱	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF406:수(9),목(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

동물생리의 기본 개념을 행동에서 유전자에 이르기까지 진화와 작용 메커니즘에 초점을 두며, 동물생리학의 기본적인 작용 메커니즘을 이해하고, 현재 생명과학 관련 연구 동향 이해와 활용에 적용할 수 있도록 한다.

[2] Course Learning Outcomes

동물의 다양한 기능을 이해하고 생명현상의 본질을 규명하는 데 필수적인 분야이므로, 생명과학을 공부하는 학생들의 주도적인 학습과 개념파악 연구로서를 통하여 동물생리학에 대한 전반적인 지식을 이해할 수 있도록 한다

[3] Class Delivery Method

교과서의 내용을 예습하고 발표와 세미나, 토론을 중심으로 한다. 동물해부생리학 실험에 응용할 수 있는 기본적인 개념도 이해한다. (동물생리해부학수강생 필수사항). 자기주도적인 관련 논문발표 및 작성과 팀 또는 개인 발표를 통해서 생명과학의 이해를 응용하는 능력을 함양한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	50 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	Homeostatis and Integration & Cellular and Molecular Physiology
Third week	Membrane and Neuronal Physiology
Fourth week	Nervous system and Behavior and Physiology I
Fifth week	Nervous system and Behavior and Physiology II
Sixth week	Sensory system I
Seventh week	Sensory system II
Eighth week	Mid-Term exam (No Exam: Term paper presentation I) : 시험은 없고, 텀페이퍼 중간발표
Ninth week	Endocrine systems
Tenth week	Muscle physiology
Eleventh week	Defense systems
Twelfth week	Circular systems Respiratory systems
Thirteenth week	Independent Research Presentation I
Fourteenth week	Independent Research Presentation II
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Ecology	Course Number	0001627001
Major / School Year	Major of Biological Sciences / 3	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 이종구	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF405:수(4-5A),목(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

생태학이란 생물과 환경 사이의 관계를 연구하는 학문이다. 물, 대기, 기온, 습기, 토양 등의 비생물적요소들과 종 간, 혹은 같은 종 내에서 주고받는 영향을 연구한다. 따라서, 작은 미생물 부터, 생태계 시스템에 이르기 까지 전반적인 이해가 필요하다. 본 수업에서는 생태학의 다양한 학문 분야 및 연구 방법에 대해 초보적인 개념에서 부터 최신 연구경향까지 주요 개념을 중심으로 학습하며 생태학에 대한 폭넓고 의미있는 이해를 하는데 그 목적을 두고 있다.

[2] Course Learning Outcomes

- 생태학의 주요 개념에 대한 이해
- 생태학의 최신 연구 경향에 대한 이해
- 생태학의 응용분야에 대한 이해
- 생태학의 범주 및 생물과 환경사이 관계에 대한 통합적인 이해

[3] Class Delivery Method

수업은 시청각 자료를 활용한 이론 수업을 중심으로 진행한다. 주요 개념에 대한 사전적 정의, 그와 같은 정의가 도출된 이론적 배경, 이해와 접근을 쉽게 해주는 다양한 예시, 이를 위한 연구방법, 응용가능한 분야까지 폭넓은 설명을 하고자 한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	10 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	60 %	0 %	20 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	생태학 서문 - 생태학의 개관 및 생태 연구의 예
Second week	육상의 생명 - 큰 규모의 기후변이 - 토양 - 생물군계의 자연사와 지리적 분포 물속의 생명 - 물순환 - 수환경의 자연사
Third week	개체군 유전학과 자연선택 - 개체군 내에서의 변이 - 하디-바인베르크 - 자연선택의 과정 - 자연선택에 의한 진화 - 우연에 의한 변화
Fourth week	환경에 대한 적응 - 온도관계 - 물관계
Fifth week	진화와 생태
Sixth week	상호작용 - 경쟁 - 이용 상호작용 - 공생
Seventh week	시청각 교육
Eighth week	중간고사
Ninth week	개체군생태학 - 개체군의 분포와 풍부도 - 개체군 동태
Tenth week	개체군생태학 - 개체군 성장 - 생활사
Eleventh week	군집과 생태계 - 종풍부도와 다양성 - 중간 상호작용과 군집구조
Twelfth week	군집과 생태계 - 1차 생산과 에너지 흐름 - 영양소의 순환과 보유 - 천이와 안정성
Thirteenth week	대규모생태학 - 경관생태학 - 지리생태학 - 지구생태학
Fourteenth week	종합토론 및 세미나
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission date	

The second assignment	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Protein Engineering	Course Number	0001650002
Major / School Year	Major of Molecular and Medical Science / 3	completion division / Grade evaluation	/
Department/Professor	Division of Life Sciences / 박준태	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358841	A weekday / class /	[SF406:월(8B-9),화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

Students will gain basic information and mechanism of protein through this course.
In addition, students will gain a brief overview of the development of therapeutic antibodies based on protein engineering.

[2] Course Learning Outcomes

1. Molecular level review of proteins that control various physicochemical reactions of life phenomena
2. Understanding of the approaches regarding protein production and characterization.
3. Understanding of the protein engineering techniques that are being discussed in the field of biopharmaceutical industry.

[3] Class Delivery Method

This lecture summarizes the important contents of each chapter and also examines practical applications.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	David Whitford	Publisher	Wiley	Textbook	Proteins: Structure and Function	Issued year	2005
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	TAKAYAMA MITSUO (전송중 옮김)	Publisher	월드사이언스	Textbook	단백질공학 입문	Issued year	2007
(2)	Author	송지용	Publisher	흥릉과학출판사	Textbook	바이오의약품	Issued year	2012
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Chapter 1. An introduction to protein structure and function
Second week	Chapter 2. Amino acids: the building blocks of proteins
Third week	Chapter 2. Amino acids: the building blocks of proteins
Fourth week	Chapter 3. The three-dimensional structure of proteins
Fifth week	Chapter 3. The three-dimensional structure of proteins
Sixth week	Chapter 4. The structure and function of fibrous proteins
Seventh week	Chapter 5. The structure and function of membrane proteins
Eighth week	Mid-term exam
Ninth week	Chapter 6. The diversity of proteins
Tenth week	Chapter 7. Enzyme kinetics, structure, function and catalysis
Eleventh week	Chapter 8. Protein synthesis, processing and turnover
Twelfth week	Chapter 9. Protein expression, purification and characterization
Thirteenth week	Chapter 10. Physical methods of determining the three-dimensional structure of proteins
Fourteenth week	Chapter 11. Protein folding in vivo and in vitro
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Epigenomics/Epigenetics	Course Number	0007851001
Major / School Year	Major of Molecular and Medical Science / 4	completion division /Grade evaluation	/
Department/Professor	Division of Life Sciences / 박준태	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	0328358841	A weekday / class /	[SF406:수(1-2A),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

Chromosomes are macromolecular polymers that undergo continuous alterations in structure and organization, which can influence gene expression. These physical variations can be attributed to DNA methylation, histone modifications, chromatin remodeling complexes, and the association of non-coding RNA molecules. Irregular patterns of inheritance that cannot be accounted for by changes in DNA sequence are often caused by epigenetic mechanisms.

[2] Course Learning Outcomes

This course begins with a discussion of the histone code, chromatin associated proteins, the formation and maintenance of heterochromatin, experimental methods, and model organisms. This is followed by discussions of the role of epigenetics in biological phenomena such as imprinting, X-inactivation, cellular identity, cellular reprogramming, tumorigenesis, and the onset of certain types of neurological disorders.

[3] Class Delivery Method

This lecture summarizes the important contents of each chapter and also examines practical applications.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	100 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
	Lee Dae-Yup, Kwon Chang-sup	Bummoon edu	Introduction to epigenetics	2017
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	CHAPTER 01 Overview about Epigenetics
Second week	CHAPTER 02 Epigenetics in <i>Saccharomyces cerevisiae</i>
Third week	CHAPTER 03 Epigenetics in <i>Schizosaccharomyces pombe</i>
Fourth week	CHAPTER 04 Epigenetics in Fruit Fly
Fifth week	CHAPTER 05 Epigenetics in Mammals
Sixth week	CHAPTER 06 Mono-allelic Expression
Seventh week	CHAPTER 07 RNA-directed DNA Methylation(RdDM) in Plant
Eighth week	Mid-term exam
Ninth week	CHAPTER 08 Histone Variant and Epigenetics
Tenth week	CHAPTER 09 Histone Ubiquitylation
Eleventh week	CHAPTER 10 Histone Acetylation/Deacetylation
Twelfth week	CHAPTER 11 Histone Methylation/Demethylation
Thirteenth week	CHAPTER 12 ATP-Dependent Chromatin Remodelers
Fourteenth week	CHAPTER 13 Epigenetics during mRNA Transcription
Fifteenth week	Final-term exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	General Chemistry(2)	Course Number	0001189002
Major / School Year	Division of Bioengineering / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Chemistry / 그레고리 아 이작 피터슨	Grades/Lecture/ Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SY3403:월(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

- To understand the main concepts of modern chemistry and several basic principles of chemistry.
- To prepare the foundation of chemistry for application in various fields, and to cultivate understanding and research ability of various chemical phenomena.

[2] Course Learning Outcomes

- Understand various definitions and concepts related to chemistry.
- Learn about the development of chemistry and the role of chemistry in the future.
- Acquire sufficient basic knowledge of chemistry to prepare for the future considering the connection with other disciplines.

[3] Class Delivery Method

-This course is held offline. Classes disrupted by holidays or other events will be provided as recorded lectures on the LMS system.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	10 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	90 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm exam 30%
Final exam 30%
Quizzes 20%
Attendance 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson	Textbook	Chemistry, 8th Edition, Global Edition	Issued year	2021
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to General Chemistry 2 –Review of General Chemistry 1
Second week	Chapter 9: Thermochemistry: Chemical Energy Part 1
Third week	Chapter 9: Thermochemistry: Chemical Energy Part 2
Fourth week	Chapter 10: Gases: Their Properties and Behavior Part 1
Fifth week	Chapter 10: Gases: Their Properties and Behavior Part 2
Sixth week	Chapter 11: Liquids and Phase Changes
Seventh week	Chapter 12: Solids and Solid-State Materials –Mid-term Review
Eighth week	Mid-term Exam
Ninth week	Chapter 13: Solutions and Their Properties
Tenth week	Chapter 14: Chemical Kinetics Part 1
Eleventh week	Chapter 14: Chemical Kinetics Part 2
Twelfth week	Chapter 15: Chemical Equilibrium
Thirteenth week	Chapter 16: Aqueous Equilibria: Acids and Bases Part 1
Fourteenth week	Chapter 16: Aqueous Equilibria: Acids and Bases Part 2 –Final Exam Review
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Quiz	submission date	
	purpose			
	procedure & notice	Quizzes will be given at the beginning of class after the completion of a chapter 9, 10, 11, 13, 14, and 15 (6 quizzes in total).		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	General Chemistry(2)	Course Number	0001189003
Major / School Year	Division of Bioengineering / 1	completion division / Grade evaluation	/
Department/Professor	Dept. of Chemistry / 그레고리 아 이작 피터슨	Grades/Lecture/ Practice	2 / 2 / 0
Phone Number		A weekday / class /	[SY3507:목(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

- To understand the main concepts of modern chemistry and several basic principles of chemistry.
- To prepare the foundation of chemistry for application in various fields, and to cultivate understanding and research ability of various chemical phenomena.

[2] Course Learning Outcomes

- Understand various definitions and concepts related to chemistry.
- Learn about the development of chemistry and the role of chemistry in the future.
- Acquire sufficient basic knowledge of chemistry to prepare for the future considering the connection with other disciplines.

[3] Class Delivery Method

-This course is held offline. Classes disrupted by holidays or other events will be provided as recorded lectures on the LMS system.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	0 %	0 %	10 %	0 %	0 %	0 %	0 %

㉞ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	90 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm exam 30%
Final exam 30%
Quizzes 20%
Attendance 20%

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Pearson	Textbook	Chemistry, 8th Edition, Global Edition	Issued year	2021
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(2)	Author	Publisher		Textbook		Issued year	
(3)	Author	Publisher		Textbook		Issued year	
(4)	Author	Publisher		Textbook		Issued year	
(5)	Author	Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to General Chemistry 2 –Review of General Chemistry 1
Second week	Chapter 9: Thermochemistry: Chemical Energy Part 1
Third week	Chapter 9: Thermochemistry: Chemical Energy Part 2
Fourth week	Chapter 10: Gases: Their Properties and Behavior Part 1
Fifth week	Chapter 10: Gases: Their Properties and Behavior Part 2
Sixth week	Chapter 11: Liquids and Phase Changes
Seventh week	Chapter 12: Solids and Solid-State Materials –Mid-term Review
Eighth week	Mid-term Exam
Ninth week	Chapter 13: Solutions and Their Properties
Tenth week	Chapter 14: Chemical Kinetics Part 1
Eleventh week	Chapter 14: Chemical Kinetics Part 2
Twelfth week	Chapter 15: Chemical Equilibrium
Thirteenth week	Chapter 16: Aqueous Equilibria: Acids and Bases Part 1
Fourteenth week	Chapter 16: Aqueous Equilibria: Acids and Bases Part 2 –Final Exam Review
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment	Quiz	submission date	
	purpose			
	procedure & notice	Quizzes will be given at the beginning of class after the completion of a chapter 9, 10, 11, 13, 14, and 15 (6 quizzes in total).		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Metabolic Engineering	Course Number	0001649001
Major / School Year	Major of Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 장성호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3203:월(5),화(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

인류는 미생물 세포를 일종의 화학 공장으로 활용해 다양한 유용 화합물을 생산해왔다. 현대 생명공학 기술은 세포의 대사를 의도적으로 조절함으로써 새로운 물질을 고효율로 합성하는 인공 미생물 화학공장을 개발하는 데 활용될 수 있다. 대사공학을 활용해 개발된 미생물 화학공장은 연료나 플라스틱같은 석유 유래 화합물들을 대체할 수 있을 뿐만 아니라, 의약품, 생체재료, 오염물 제거 등 다양한 분야에서 친환경적이고 지속가능한 응용이 가능하다.

본 교과목은 대사공학에 흥미를 가진 학생들에게 해당 분야의 기본 원리를 전달하는데 목적을 두고 있다. 구체적인 수업의 목적은 다음과 같다.

- 바이오화학, 바이오의약, 환경, 식품 등 첨단 바이오산업에서 활용되는 산업용 미생물 소재 및 이를 활용한 공정 개발 교육을 통한 바이오산업 전문가 육성
- 산업용 미생물 개발 및 이를 이용한 혁신적 바이오 소재 개발 과정에 대한 기본 지식 습득
- 미생물을 소재를 이용한 바이오산업용 공정 개발 과정의 이해

[2] Course Learning Outcomes

1. 생명공학 비전공 수강생을 위해 미생물 유전자 발현 및 대사에 관한 기본적인 지식 전달
2. 세포의 대사 및 미생물 유전 발현 조절에 대한 기초 지식 복습
3. 미생물 소재 개발 능력의 실질적인 습득을 위해 합성생물학 기반의 유전자 재조합 기술의 실험적 측면 이해
4. 바이오산업 분야별 대사공학 응용사례 추가 (바이오화학, 바이오의약, 환경 및 식품 등)
5. 중요한 대사 경로들의 학습
6. 합성생물학 기술들의 대사공학적 적용 사례 학습

[3] Class Delivery Method

본 교과목은 대면 강의 및 개인별 발표로 진행합니다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	50 %	0 %	30 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	George Stephanopoulos, Aristos Aristidou, Jens Nielsen	Publisher	Academic Press	Textbook	Metabolic Engineering	Issued year
(2)	Author	Alexander N. Glazer, Hiroshi Nikaido	Publisher	Cambridge University Press	Textbook	Microbial Biotechnology: Fundamentals of Applied Microbiology	Issued year

(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	미생물 유전자 발현 및 대사 기초
Second week	세포 대사 (물질전달, 공급반응, 생합성 반응, 종합반응)
Third week	대사 경로 조절 (효소 활성, 효소 농도, 광역 조절, 대사 네트워크)
Fourth week	미생물 대사경로 (다당류, 폴리에스터, 일차 대사산물, 이차 대사산물, 합성 대사경로)
Fifth week	대사 흐름 분석
Sixth week	합성생물학 1 - 유전체 편집 기술
Seventh week	합성생물학 2 - 유전자 발현 조절 기술
Eighth week	중간고사
Ninth week	미생물 균주 개발의 실제
Tenth week	대사공학 사례 탐구 (바이오화학)
Eleventh week	대사공학 사례 탐구 (바이오의약, 환경 및 식품)
Twelfth week	응용미생물학 특강 / 발효공학 특강
Thirteenth week	논문 발표 1
Fourteenth week	논문 발표 2
Fifteenth week	기말고사
Sixteenth week	필요시 보강

[7] Assignments

The first assignment	assignment	대사공학 논문 발표	submission date	
	purpose			
	procedure & notice	학생들은 담당 교수가 제공하는 대사공학 연구 논문 목록 중에서 흥미있는 것을 선택하여 읽고, 그 내용을 수업시간에 발표합니다. 수강생 1인당 총 2편의 논문을 발표하게 됩니다.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Biomaterials and Tissue Engineering	Course Number	0005908001
Major / School Year	Major of Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 양기석	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3507:월(7-8A),화(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

A review of the fundamental principles involved in the design of engineered tissues and organs with the aid of various stem cells is provided. The course aims to explore efficient and sufficient tissue regenerative medical applications through the study of fundamental information about tissue engineering and stem cell research.

[2] Course Learning Outcomes

The purpose of this course is to provide an in-depth exploration of cutting-edge stem cell sciences, degradable and implantable biomaterials, various polymeric materials, drug delivery strategies, artificial organs, 3D printing techniques, and biomedical engineering applications. In addition to covering the principles of cell/molecular biology and anatomy, the course will also delve into various in vivo animal studies.

[3] Class Delivery Method

Lecture (60%) + Discussion (including presentation) (40%)

The course format may be subject to changes based on the number of students and the prevailing circumstances.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
			슬라이드	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
	Robert Lanza, Robert Langer, Joseph Vacanti	Academic press	Principles of tissue engineering 3rd edition	
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Regenerative Medicine
Third week	Stem Cell Biology I
Fourth week	Stem Cell Biology II
Fifth week	Biomaterials in tissue engineering I
Sixth week	Biomaterials in tissue engineering II
Seventh week	Control of tissue development
Eighth week	Tissue engineering Cardiovascular and neural tissues
Ninth week	Tissue engineering Musculoskeletal and skin tissues
Tenth week	Tissue engineering Endocrine tissues
Eleventh week	Midterm exam
Twelfth week	Engineering design
Thirteenth week	Engineering design – presentation I
Fourteenth week	Engineering design – presentation II
Fifteenth week	Engineering design – presentation III
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MOLECULAR BIOLOGY	Course Number	0001636001
Major / School Year	Major of Nano-Bioengineering / 2	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 김병철	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:화(2B-3),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces students to basic concepts of molecular biology related to central dogma.

[2] Course Learning Outcomes

Aims of this course include to review (1) basic molecular mechanisms, essential knowledge about biological molecules, transcription, and translation, and (2) how molecular interactions affect cell behaviors.

[3] Class Delivery Method

Over this course, we will cover entire chapters in the textbook (Molecular biology, Principles of Genome Function).

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	10 %	0 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	90 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

1st Exam (20%), 2nd Exam (20%), 3rd exam (20%), and final exam (20%)
Attendance (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Nancy Craig et al.	Oxford University Press	Molecular biology, Principles of Genome Function 2nd edition	2021
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Genomes and the flow of biological information
Third week	Biological molecules
Fourth week	The chemical basis of life
Fifth week	Chromosome structure and function
Sixth week	The cell cycle
Seventh week	DNA replication
Eighth week	Transcription
Ninth week	RNA processing
Tenth week	Translation
Eleventh week	Protein modification and targeting
Twelfth week	Cellular responses to DNA damage
Thirteenth week	Repair of DNA double strand breaks and homologous recombination
Fourteenth week	Mobile DNA
Fifteenth week	Genomics and genetic variation, Tools and techniques in molecular biology
Sixteenth week	Make-up class

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Electronic Properties of the Materials	Course Number	0003797001
Major / School Year	Major of Nano-Bioengineering / 2	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 송영준	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:월(5B-6),화(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

전자전기물성에 대하여 이해하고 학습한다.

[2] Course Learning Outcomes

나노물질의 기본인 반도체의 특성에 대하여 이해하고 그 응용에 대하여 알아본다
전자 저장매체에 대한 이해를 한다.

[3] Class Delivery Method

강의 과제 시험 세미나

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	TBE
Second week	TBE
Third week	TBE
Fourth week	TBE
Fifth week	TBE
Sixth week	TBE
Seventh week	TBE
Eighth week	Midterm
Ninth week	TBE
Tenth week	TBE
Eleventh week	TBE
Twelfth week	TBE
Thirteenth week	TBE
Fourteenth week	TBE
Fifteenth week	Final
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Biomedical Engineering	Course Number	0005856001
Major / School Year	Major of Nano-Bioengineering / 2	completion division /Grade evaluation	/
Department/Professor	Division of Bioengineering / 송광훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class / lecture room	[SY3210:금(2B-3)] [SY3211:목(1-2A)]
Office hours			

[1] Outline / Purpose

This class will cover basic concept and diverse researches of biomedical engineering.

[2] Course Learning Outcomes

The overview, diverse researches and applications of biomedical engineering, which will be given in the class, will provide information that students need to search for research projects, future courses, and future jobs.

[3] Class Delivery Method

The class will be given by lectures.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	100 %	0 %	0 %	0 %

[4] Grading Policies

Exam: 60%

Presentation: 20%

Student presentation: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction to biomedical engineering
Second week	Principles of drug delivery systems
Third week	Biomaterials for drug delivery: polymers, lipid, gold nanoparticle
Fourth week	Therapeutic application of drug delivery
Fifth week	Biomedical imaging
Sixth week	Lab on a chip
Seventh week	Biomechanics
Eighth week	Midterm exam
Ninth week	Organoid
Tenth week	Biomaterials and artificial organs
Eleventh week	Biofabrication strategies
Twelfth week	Tissue engineering, nanobiotechnology, microneedles
Thirteenth week	Cancer therapy
Fourteenth week	Student presentation (Summary of a research paper related to biomedical engineering)
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	IMMUNOLOGY	Course Number	0002600001
Major / School Year	Major of Nano-Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 양성구	Grades/Lecture/Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:금(1-2A)] [SY3211:목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

본 교과목은 인체의 면역체계와 이와 관련된 면역질환을 이해하는데 있다.

[2] Course Learning Outcomes

본 강좌를 통해서 인체의 면역관련 질병을 이해하고 바이오공학적 지식을 기반으로 원인 규명 및 치료방법을 개발할 수 있는 역량을 기르는데 있다.

[3] Class Delivery Method

본 강좌는 16주간 동안 면역학에 관한 강의를 수강하고, 수업중간에 요약 및 질의응답방식으로 진행한다. 대부분 시간을 시청각교육에 중점을 두고 진행한다. 필요에 따라 외부강사초청도 적극 활용한다.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	10 %	0 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	0 %	0 %	10 %	0 %	70 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
80 %	20 %	0 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Abbas et al	Publisher	ELSEVIER	Textbook	Basic Immunology	Issued year	2012
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction to the immune system (면역학 소개)
Second week	Overview of Immune Responses (면역반응 요약)
Third week	Innate Immunity (내재면역)
Fourth week	Antigen Capture and Presentation to Lymphocytes (항원 제시)
Fifth week	Antigen Recognition in the Adaptive Immune System (적응면역에 의한 항원 인식)
Sixth week	T cell-mediated Immunity (T 세포 면역)
Seventh week	Effector Mechanisms of T Cell-mediated Immunity (T 세포 효과기전)
Eighth week	Summary & Mid-term Exam (요약 및 중간시험)
Ninth week	Humoral Immune Responses (B 세포 면역)
Tenth week	Effector Mechanisms of Humoral Immunity (B 세포 효과기전)
Eleventh week	Immunological Tolerance and Autoimmunity (면역질환: 자가 면역)
Twelfth week	Immune Responses against Tumors and Transplants (면역질환: 암세포 면역)
Thirteenth week	Hypersensitivity (면역질환: 면역 과민 반응)
Fourteenth week	Congenital and Acquired Immunodeficiencies (면역질환: 면역결핍)
Fifteenth week	Summary & Final Exam (요약 및 기말시험)
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Bio MEMS	Course Number	0001808001
Major / School Year	Major of Nano-Bioengineering / 3	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 김병철	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:월(8B-9)] [SY3211:수(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces a rapidly emerging, multi-disciplinary, and exciting field of MEMS and microsystems in biomedical applications, named "BioMEMS". Various microfabrication techniques to develop the MEMS and its applications will be discussed.

[2] Course Learning Outcomes

Aims of this course include to (1) review microfabrication technologies in the context of BioMEMS device implementation and innovations, (2) introduce fundamental designs and related technologies of microfluidics, and (3) study on a selected topic through literature survey.

[3] Class Delivery Method

This course consists of two parts: lecture and group presentation. During the first twelve weeks, we will cover course materials in the lecture. In the last three weeks, students are required to choose a research paper of their interest related to BioMEMS and to give a short presentation about the research paper.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	10 %	30 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	0 %	90 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Total score (100%) = Individual/Group presentation (30%) + Midterm (20%) + Final exam (30%) + Class attendance (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Handout	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Review of Microfabrication & MEMS Technologies
Third week	Soft Lithography
Fourth week	Surface Properties and Modification Micro-pattern of SAM & Proteins
Fifth week	Micro-patterns for Cellular Interface Basic Microfluidics – Microscale Behavior of Fluids
Sixth week	Actuation of Fluids – Electrophoresis, Electro-Osmosis, Dielectrophoresis Fabrication of Microfluidic Devices
Seventh week	Microfluidic Components – Microvalves, Micropumps, and Micromixer
Eighth week	Midterm week (Midterm exam, Oct. 25th)
Ninth week	Microfluidic Logic Droplet Microfluidics
Tenth week	DNA Chips, Protein Chips Cell-Based Chips
Eleventh week	Cell Manipulation – Cell Sorting, Cell Trapping Cell Assay Chips
Twelfth week	Implantable Biomedical Sensors – Neural Probes, Cochlea, and Retina Chip, Smart toilet, Lateral flow assay etc.
Thirteenth week	Oral presentation
Fourteenth week	Oral presentation
Fifteenth week	Final exam (Final exam, Dec. 11th)
Sixteenth week	Makeup class

[7] Assignments

The first assignment	assignment	A review of a research paper	submission date	2023-10-31 Tue
	purpose			
	procedure & notice	Oral presentation		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Analysis and application of biomechanics	Course Number	0010583001
Major / School Year	Major of Nano-Bioengineering / 3	completion division /Grade evaluation	/
Department/Professor	Division of Bioengineering / 송광훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:목(7-8A),금(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This class will cover basic cell migration and biomechanics. Students can learn mechanisms of cell migrations and biomechanics of body parts, which can be applied to bioengineering.

[2] Course Learning Outcomes

Students can understand cell migration and biomechanics, which will broaden their view of bioengineering and can be helpful for their future jobs.

[3] Class Delivery Method

The class will be given by lectures and slides.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Exam: 60%

Attendance: 20%

Presentation: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Cellular principles
Second week	Communication systems in the body
Third week	Respiration and digestion
Fourth week	Circulations, removal of molecules from the body
Fifth week	Introduction to cell migration 1
Sixth week	Introduction to cell migration 2
Seventh week	Cytoskeleton and motor proteins
Eighth week	Midterm exam
Ninth week	Biology of cell migration (Polarization, leading edge protrusion, adhesion)
Tenth week	Traction force microscopy (Cells on soft substrate, measurement of forces exerted by cells)
Eleventh week	Current topics in cell migration (Cell migration in 3D model matrixes, different modes of cell migration)
Twelfth week	Current topics in cell migration (Cancer invasion, Reconstruction of in vivo microenvironments)
Thirteenth week	Basic biomechanics, Muscle biomechanics
Fourteenth week	Student presentation
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Nano Films Engineering	Course Number	0001811001
Major / School Year	Major of Nano-Bioengineering / 4	completion division /Grade evaluation	/
Department/Professor	Division of Bioengineering / 송영준	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3211:월(2B-3),화(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

본수업은 바이오 프로그래밍을 위한 과정을 위한 선구 학습 과정으로 강의 제목과 내용은 추후 신규 교과 과정으로 편성될 예정이다. 수업의 개요 및 목적은 생명공학에서 필요한 프로그래밍을 넘어 코딩 전반적 능력을 향상하고자 한다.

[2] Course Learning Outcomes

바이오 프로그래밍 능력과 프로그래밍 전반에 관한 내용 직접학습 코딩하여 수업 또는 추가 시간에 토론한다.

[3] Class Delivery Method

토론 및 과제 발표.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	강의 진행 방식에 대한 안내 및 수강시 주의사항 안내 바이오 광학
Second week	나노광학
Third week	중간고사 1 및 현미경의 원리
Fourth week	현미경의 원리 및 각종 현미경 파트 소개
Fifth week	각종 현미경 파트소개 및 Point Spread Function
Sixth week	디지털 이미지
Seventh week	Images J 사용 Micromanager 사용 및 중간고사 2
Eighth week	Composites 기판 소개 및 전극 나노소재
Ninth week	중간고사 3 및 선형대수 기초 소개
Tenth week	매트랩 소개 및 전자현미경 소개
Eleventh week	분광 장비 소개 (라만 XRD, FTIR, XPS, UV-vis, NMR/Flu. Spectrometer) Joule Heating 스트레처블 전극등 압전 전기 소개 투명 전극 분석법 소개 (투과도, 면저항, 컨택앵글)
Twelfth week	중간고사4 투명전극/웨어러블 디바이스
Thirteenth week	종이 electronics, Cellulose substrate, PLA 등 친바이오 플라스틱 및 전자재료 소개 전자코, 가스센서, 전기화학 글루코스 센서, DNA sensor, 앵티머 센서등 소개
Fourteenth week	배터리의 원리 /Super capacitance / Fuel Cell/ Bio Fuel Cell/ 박테리아 배터리 박막형 배터리 소개 /배터리 측정방법 소개
Fifteenth week	기말 고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Inorganic Bio-materials	Course Number	0004944001
Major / School Year	Major of Nano-Bioengineering / 4	completion division / Grade evaluation	/
Department/Professor	Division of Bioengineering / 한상길	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY3210:월(7-8A),화(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Remarkable advances in medicine and biology have been made possible with bioelectronics – devices that bridge and connect the worlds of living systems and electronics. The aim of this course is to introduce a range of inorganic biomaterials, that are used in bioelectronics, and acquire some basic (physics & chemistry) concepts linked with bioengineering.

[2] Course Learning Outcomes

The goals of this course are to

1. Learn various inorganic biomaterials that are widely used in bioelectronics;
2. Learn basic concepts of physics and chemistry and their applications in bioengineering;
3. Improve presentation skills so that the students can convey science to audiences clearly and effectively.

[3] Class Delivery Method

The classes are delivered as below.

1. Mainly lectures using PPT slides;
2. Team presentations and discussion;
3. Lectures will be delivered in English.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
90 %	10 %	0 %	0 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	100 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Grading will be evaluated as below.

1. Mid-term exam: 30 %
2. Final exam: 30 %
3. Attendance + Class participation: 20 %
4. Team presentation: 20 %

*Dates for mid-term and final exams will be announced in the classroom.

*Team presentations: Each team has 2 students, any topics related to inorganic biomaterials and their applications, 15 min presentation + 5 min Q/A

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Peter Atkins, Loretta Jones	W. H. Freeman and Company, New York, USA	Chemical Principles: The quest for insight, Fifth edition, Chapter 5, 6, 11, 12, 13	2010
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[6] Weekly lesson plans

First week	– Introduction to this course – Overview of inorganic biomaterials and their applications
Second week	– Band theory & Solid structures
Third week	– Metal electrodes in electrophysiology
Fourth week	– Conduction mechanisms & Energy band diagram
Fifth week	– Transistor technology & bioapplications 1
Sixth week	– Transistor technology & bioapplications 2
Seventh week	– Team presentation 1
Eighth week	– Lecture summary & Mid-term exam
Ninth week	– Redox reactions & bioapplications
Tenth week	– Acid-base chemistry & bioapplications
Eleventh week	– Transition metals & bioapplications
Twelfth week	– Team presentation 2
Thirteenth week	– Electrochemical cells 1
Fourteenth week	– Electrochemical cells 2
Fifteenth week	– Lecture summary & Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	RISE	Course Number	0009062049		
Major / School Year	School of Northeast Asian Studies / 전학년	completion division /Grade evaluation	/		
Department/Professor	School of Northeast Asian Studies / 김윤경	Grades/Lecture/ Practice	3	/	3 / 0
Phone Number		A weekday / class /			
Office hours		lecture room			

[1] Outline / Purpose

This specialized course is designed to provide students with comprehensive guidance and support in preparing their graduation theses.

[2] Course Learning Outcomes

Students perform individual research and present their own findings in thesis.

[3] Class Delivery Method

1:1 or Group Meetings

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction Thesis guideline for KTC
Second week	OECD economic surveys for Korea and major countries
Third week	Citation and Reference guide Thesis Guideline
Fourth week	Literature Review / Structure of Research paper
Fifth week	Literature Review
Sixth week	Literature Review
Seventh week	Data Analysis and Visualization
Eighth week	Data Analysis and Visualization
Ninth week	Data Analysis and Visualization
Tenth week	Thesis Writing
Eleventh week	Thesis Writing
Twelfth week	Thesis Writing
Thirteenth week	Thesis Writing
Fourteenth week	Thesis Writing
Fifteenth week	Final Submission
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	STATISTICS FOR ECONOMICS	Course Number	KA06171001
Major / School Year	School of Northeast Asian Studies / 1	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 정승호	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number	032	A weekday / class /	[SO224:월(5B-6),수(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course offers an introduction to statistics, focusing on the essential skill of extracting information from data, which is crucial in everyday life and various academic disciplines. The objective is for students to develop an intuitive understanding of statistical concepts and reasoning, enabling them to apply elementary techniques and critically assess others' statistical work. Topics include descriptive and inferential statistics, with course learning outcomes consisting of organizing and analyzing data using descriptive statistics (histogram, mean, median, mode, and standard deviation), understanding probability theory, and applying hypothesis tests to means, proportions, and variances. The course delivery method includes 3 hours of weekly lectures, supplemented by lab sessions that provide hands-on experience with Microsoft Excel for assignments. By the end of the course, students will be better equipped to handle advanced courses requiring data analysis skills.

[2] Course Learning Outcomes

Upon successful completion of the course, students will be able to:

- Apply the techniques of descriptive statistics in order to organize and analyze data (using histogram, mean, median, mode, and standard deviation).
- Demonstrate an understanding of probability theory
- Apply hypothesis tests to means, proportions, and variances.

[3] Class Delivery Method

The course consists of 3 hours of lectures per week . lab sessions will also give students the chance to practice using Microsoft Excel for the assignments.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Gerald Keller	Publisher	Cengage Learning	Textbook	Statistics for Management and Economics (11h ed. for use in Asia only)	Issued year	2017
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction and Chapters 1–2
Second week	Chapters 3–4
Third week	Chapters 5
Fourth week	Chapters 6
Fifth week	Chapters 7
Sixth week	Chapters 8
Seventh week	Chapters 9
Eighth week	Mid-term exam
Ninth week	Chapters 10
Tenth week	Chapters 11
Eleventh week	Chapters 12
Twelfth week	Chapters 13
Thirteenth week	Chapters 14
Fourteenth week	Chapters 15
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	MICROECONOMICS	Course Number	KA06149001
Major / School Year	School of Northeast Asian Studies / 1	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김지영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(2B-3),목(1-2A)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces the theoretical models to analyze the behavior of economic agents in markets. We will study how consumers, producers and other economic agents make decisions and interact in various types of markets.

[2] Course Learning Outcomes

Students will understand the logic of how economic agents optimizes given the constraints, and obtain the tools that can be applied to interpret the economic behaviors around us.

[3] Class Delivery Method

Lectures in English

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
100 %	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Pindycck and Rubinfeld	Publisher	Pearson	Textbook	Microeconomics	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction & The basics of supply and demand
Second week	The basics of supply and demand & Consumer behavior
Third week	Consumer behavior
Fourth week	Consumer behavior & Individual and market demand
Fifth week	Individual market demand
Sixth week	Uncertainty and consumer behavior
Seventh week	Production
Eighth week	Midterm exam
Ninth week	The cost of production
Tenth week	Profit maximization and competitive supply
Eleventh week	The analysis of competitive markets
Twelfth week	Market power: Monopoly and monopsony
Thirteenth week	Pricing with market power
Fourteenth week	Monopolistic competition and oligopoly
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ENGLISH READING AND WRITING(1)	Course Number	KA06178001
Major / School Year	School of Northeast Asian Studies / 1	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / Cruz Jr Fidel Richard	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SO218:수(1)(2)] [SO219:금(6)(7)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of the course is to assist students with the fundamentals of writing academic papers. They will develop clear topics and defend their opinions with solid evidence that will be cited. Moreover, they will learn to be concise and write in a logical manner. In addition, students will encounter reading as it pertains to literature. They will learn to identify clues based on inferring information and the understanding of literary symbols.

[2] Course Learning Outcomes

By the end of the course, students will be able to competently express their ideas/opinions. This course will prepare them for the second part where students will refine their skills and perform more in-depth writing. In regard to reading, students will learn how to make deductions/inferences based on literary symbolism and how issues affect humans and our lives.

[3] Class Delivery Method

The class will be a basic lecture. However, there will be a great deal of group work. The course is designed to let students discover things for themselves and discuss them with their peers. Participation will be a significant factor in understanding the material since students will be forced to think for themselves with the professor acting as a guide.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

There will be three formal essays that will be scored according to content, format, source material, and grammar. These will account for 30% of the grade. MT and Final exams 30%.

Homework and participation will account for 20% and attendance the final 20%.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher		Textbook		Issued year	
(1)	Laurie Barton / Carolyn Dupaquier	Pearson Education, Inc.		Textbook	North Star Reading and Writing Level 3 4th Edition	2017	
(2)				Textbook			
(3)				Textbook			

[Reference books]

(1)	Author	Publisher		Textbook		Issued year	
(1)				Textbook			
(2)				Textbook			
(3)				Textbook			
(4)				Textbook			
(5)				Textbook			

[Other books]

Fahrenheit 451 – Ray Bradbury. Students can obtain any on/offline version of the novel that best fits their interests.

[6] Weekly lesson plans

First week	Orientation / discuss reasons for writing and writing
Second week	Elements of an essay / Finding a topic, developing a thesis statement, adding 3 supporting details, using hooks. Developing supporting paragraphs. Using references, citing sources *The short story (discuss theme and 6 general topics of a story) assign 1st short story.
Third week	Writing introductory paragraphs with a hook, clear thesis statement, and three supporting details./ Correcting intro paragraphs and using them for the first essay. *Discuss the short story
Fourth week	Textbook Unit 1 / 2nd story
Fifth week	Return first essays for 2nd draft. Unit 2 / discuss 2nd short story / Assign 3rd short story
Sixth week	Return 1st essay for final draft. Continue Unit 2 / discuss the third short story
Seventh week	Unit 3. Discuss the topic for 2nd essay / discuss all three short stories
Eighth week	Midterm
Ninth week	Literary terminology. / Discuss the theme of the novel Fahrenheit 451 / Return 1st draft
Tenth week	Return 2nd essay for 2nd draft / Discuss assigned reading of the novel
Eleventh week	Discuss assigned reading / Return 2nd essay for the third draft.
Twelfth week	Return final draft 2nd Essay / Discuss novel/Assign 3rd essay
Thirteenth week	Collect 1st draft of 3rd essay / Discuss novel
Fourteenth week	Return 2nd draft of 3rd essay / Reviewing novel
Fifteenth week	Finals
Sixteenth week	Grade and return final draft essay 3

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	ELEMENTARY ENGLISH	Course Number	KA06143001
Major / School Year	School of Northeast Asian Studies / 1	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / Cruz Jr Fidel Richard	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SO218:수(3)(4)] [SO219:금(8)(9)]
Office hours		lecture room	

[1] Outline / Purpose

The purpose of the course is to help students think critically about contemporary social issues and to present their ideas clearly in the spoken and written forms.

[2] Course Learning Outcomes

Students will be able to put together logical arguments based on their opinions of contemporary issues.

[3] Class Delivery Method

The course will be a basic lecture to introduce the topic and to be sure that students grasp its concept. Next, students will be broken into small groups where they will discuss their ideas as a collective. The point is to give students the opportunity to persuade partners of their ideas and to finally come to a consensus on it. Moreover, students will then present their ideas to the class.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Homework/Participation will be the cornerstone of the course. It will account for 50% of the final grade. Midterm/Final will account for 30%, and Attendance will account for 20%.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	To be determined based on level of students	Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year

[Reference books]

(1)	Author	Publisher	Textbook		Issued year
(2)	Author	Publisher	Textbook		Issued year
(3)	Author	Publisher	Textbook		Issued year
(4)	Author	Publisher	Textbook		Issued year
(5)	Author	Publisher	Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation and discussion. Assessing the speaking levels of students and their abilities to express their opinions.
Second week	Pros and Cons of AI
Third week	Debating Pros and Cons of AI
Fourth week	Social Media, an avenue of free speech or a subterfuge?
Fifth week	Video presentation on social media
Sixth week	Generations: How are they compatible with each other?
Seventh week	Debating Generations / Discuss Midterm
Eighth week	Midterm Examination
Ninth week	What is "Woke-ism"?
Tenth week	Group presentation: Woke-ism is a concept we all must understand and accept. Vs. Woke-ism creates divisions in populations.
Eleventh week	Philosophical questions and critical thinking Examine an assortment of philosophical questions in class and then assign each student a PQ that they will present in small groups. the following class
Twelfth week	Philosophical questions and critical thinking In groups, students will present their assignment.
Thirteenth week	Religion, why do we have it? Is it still needed?
Fourteenth week	Debating Religion / Discuss the Final Exam
Fifteenth week	Final Examination
Sixteenth week	Reserved for make ups.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	THEORY OF INTERNATIONAL FINANCE	Course Number	KA06170001
Major / School Year	School of Northeast Asian Studies / 3	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김지영	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(1-2A),목(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course studies topics of international finance and open economies in the framework of macroeconomic theories. Topics will cover exchange rate determination, open economy macro models, national accounts and exchange rate regimes.

[2] Course Learning Outcomes

Students will understand how national economies interact in the world and how international macroeconomic policies affect the countries around the world.

[3] Class Delivery Method

Lectures in English

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Krugman, Obstfeld and Melitz	Publisher	Pearson	Textbook	International Economics	Issued year	2018
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction & National income accounting
Second week	The balance of payments & Foreign exchange markets
Third week	The balance of payments & Foreign exchange markets
Fourth week	Foreign exchange markets
Fifth week	Exchange rates
Sixth week	Money market & Interest rates and exchange rates
Seventh week	Purchasing power parity
Eighth week	Midterm exam
Ninth week	Price levels and the exchange rate in the long run
Tenth week	Price levels and the exchange rate in the long run
Eleventh week	The exchange rate in the short run
Twelfth week	The exchange rate in the short run
Thirteenth week	Fixed exchange rates
Fourteenth week	International monetary system
Fifteenth week	Final exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	KOREA-U.S. ECONOMIC RELATIONS	Course Number	KAD6021001
Major / School Year	School of Northeast Asian Studies / 3	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 한도숙	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO218:수(8B-9)] [SO224:목(8B-9)]
Office hours		lecture room	

[1] Outline / Purpose

The course will analyze the trade relations between Korea and the U.S. This course is mainly designed for the U.S. trade and commerce major juniors and senior students at the School of Northeast Asian Studies. The first part of the course will introduce and discuss the instruments of trade policy, the political economy of trade policy and the controversies in trade policy. This will enhance the understanding of trade policy from the theoretical perspectives. The second part of the course will start with the history of the U.S. Trade policy. This section will help student students to understand how the U.S. trade policies were formed and have changed over the years. The third part of the course will cover the decision making process and systems of the U.S. trade policy measures. The last part of the course will deal with the Korea-U.S. trade relations

[2] Course Learning Outcomes

This course will emphasize the understanding of past and current events in the U.S. trade and its connections and impact on Korean economy as well as the world economy. We will try to analyze the trade systems and historical trade policies changes to help students to understand the outcomes of the U.S. trade policies toward different countries including Korea.

[3] Class Delivery Method

Due to recent seriousness of rapid spread of the Covid 19 variants the class will be conducted on-line basis to start with. Both recorded lectures and real time Zoom classes will take place.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
75 %	15 %	0 %	0 %	0 %	5 %	0 %	5 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	75 %	25 %

[4] Grading Policies

If a student misses classes more than twice without valid excuses then the course grade will be given "F" for the semester.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Oh, Youngho	Publisher	Nanam	Textbook	The U.S. Trade Policy and Counter Measures	Issued year	2004
(2)	Author		Publisher	School of Northeast Asian Studies	Textbook	The U.S.-Korea Trade Relations Study Material	Issued year	2008
(3)	Author	Krugman, Obstfeld, Melitz	Publisher	Pearson	Textbook	International Economics, Theory and Policy	Issued year	2020

[Reference books]

(1)	Author	Balaam, Dillman	Publisher	Pearson	Textbook	Introduction to International Political Economy	Issued year	2011
(2)	Author	Oatley	Publisher	Pearson	Textbook	International Political Economy	Issued year	2012
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	The Instruments of Trade policy
Second week	he Political Economy of Trade Policy
Third week	Controversies in Trade policy
Fourth week	Definitions of Trade Policies and Theoretical Approaches
Fifth week	Historical Changes of the U.S. Trade Policies
Sixth week	Historical Changes of the U.S. Trade Policies
Seventh week	Historical Changes of the U.S. Trade Policies
Eighth week	Review & Midterm Exam
Ninth week	The Decision Making Factors for the U.S. Trade Policies
Tenth week	The Decision Making Factors for the U.S. Trade Policies
Eleventh week	The Measures and Applications of the U.S. Trade Policies
Twelfth week	The Measures and Applications of the U.S. Trade Policies
Thirteenth week	Case Studies of the U.S, Trade Policy Measures
Fourteenth week	Case Studies of the U.S, Trade Policy Measures
Fifteenth week	Student Presentations
Sixteenth week	Review & Final Exam.

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	SEMINAR ON U.S. ECONOMY	Course Number	KAD6023001
Major / School Year	School of Northeast Asian Studies / 4	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 한도숙	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO218:수(7-8A)] [SO224:목(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course is designed for the thesis writing senior students of the U.S. trade and commerce majors from School of Northeast Asian Studies. This course covers current economic financial issues of the U.S. and global Economy . There will be student presentations on the current issues followed by in depth class discussions.

[2] Course Learning Outcomes

This course will emphasize understanding of the major current financial economic issues in the U.S. economy. The objective of this course is to help senior students to complete their thesis on the U.S. economic issues and their impact on the Korean economy. The course will cover various issues and will enable students to select topics of their interests. The active In-class discussions, positive criticism and feed-backs for students presentations will greatly help students to develop and complete high quality final senior thesis. The senior thesis and student presentations will be all given in English.

[3] Class Delivery Method

There will be lectures on current major economic issues in the U.S. economy. Students will select the topics of their interest and make presentations. All students will be expected to make comments and positive criticisms on the presentations. Due to recent seriousness of the rapid spread of Covid 19 variant the class will be conducted on-line basis to start with. Both recorded lectures and real time Zoom classes will take place.

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	20 %	40 %	0 %	0 %	0 %	0 %	10 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Norton	Textbook	The Return of Depression Economics and the Crisis of 2008	Issued year	2009	
(2)	Author	Miller, Benjamin, North	Publisher	Pearson	Textbook	The Economics of Public Issues	Issued year	2012
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Factfulness
Second week	Introduction
Third week	The Central problem has been solved
Fourth week	Warning Ignored: Latin America's Crises
Fifth week	Japan's Trap
Sixth week	Asia's Crash
Seventh week	Policy Perversity
Eighth week	Masteers of the Universe
Ninth week	Greenspan's Bubbles
Tenth week	Banking in the Shadow
Eleventh week	The Sum of all Fears
Twelfth week	The Return of Depression Economics
Thirteenth week	The Rise of the Intangible Economy
Fourteenth week	The Rise of the Intangible Economy The Consequences of the Rise of the Intangible Economy
Fifteenth week	The Consequences of the Rise of the Intangible Economy
Sixteenth week	Final thesis presentation & Final Exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTRODUCTORY ECONOMICS 2	Course Number	0008817001
Major / School Year	Korean Trade & Commerce / 1	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 권재현	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class / lecture room	[SO224:화(2B-3),수(2B-3)]
Office hours			

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Econometric Analysis 2	Course Number	0010131001
Major / School Year	Korean Trade & Commerce / 2	completion division /Grade evaluation	/
Department/Professor	/	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO218:월(4)(5)(6)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	KOREAN ECONOMY	Course Number	KA06168001
Major / School Year	Korean Trade & Commerce / 2	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 박제훈	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO224:월(7),화(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

Studying basic concepts and thoughts of economics from a historical perspective and applying those to Korean economy

[2] Course Learning Outcomes

learning basic tools and concepts of economics and making students equipped with abilities of analysing Korean economy

[3] Class Delivery Method

Lecture and presentations by teams of students

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	%	70 %	%	%	%	%	10 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
10 %	%	%	%	10 %	%	80 %	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Charles Harvey	Publisher	Palgrave Macmillan	Textbook	Korea's Economic Miracle: Fading or Reviving?	Issued year	2003
(2)	Author	George A. Akerlof	Publisher		Textbook	Animal Spirits	Issued year	
(3)	Author	Paul Krugman	Publisher		Textbook	The Conscience of a Liberal	Issued year	

[Reference books]

(1)	Author	AECF	Publisher		Textbook	Paper and Presentation Materials	Issued year	2009
(2)	Author	Guy Sorman	Publisher	Encounter Books	Textbook	Economics Does Not Lie, A Defense of the Free Market in a Time of Crisis	Issued year	2009
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction – Introduction to Course & Economics
Second week	Introduction to Economic Thoughts
Third week	Introduction to Economic Thoughts(2)
Fourth week	Introduction to Economic Thoughts(3)
Fifth week	Introduction to Economic Thoughts(4)
Sixth week	Introduction to Comparative Economic Systems
Seventh week	Introduction to Comparative Economic Systems(2)
Eighth week	Midterm
Ninth week	Korea's Economic Development Model
Tenth week	Korea's Economic Miracle
Eleventh week	Economic Crises – 1997 Asian Currency Crisis and 2008 Global Financial Crisis
Twelfth week	Post Crisis Policy and Reform
Thirteenth week	Comparison with Russia and USA
Fourteenth week	Comparison with Japan & China
Fifteenth week	Future Challenges and Prospects – Toward the Asia Economic Community
Sixteenth week	Final Exam

[7] Assignments

The first assignment	assignment	Preparation and presentation of assigned tasks	submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment	Summary and Presentation of AECF materials	submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Comprehensive Analysis of Economics Data	Course Number	0010133001
Major / School Year	Korean Trade & Commerce / 3	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 권재현	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO117:화(1-2A),수(1-2A)]
Office hours	By Appointment	lecture room	

[1] Outline / Purpose

This course is challenging. It aims to teach modern statistical thinking from economic perspective. You must be knowledgeable to basic concepts of economics and statistics--such as supply/demand analysis, estimation, statistical test, linear regression model, and the like. Low-level programming skill is not required. It would help if you have some experience with high-level statistical programming with, for intances, Stata, Matlab, or R.

Think hard and rise to the challenge. What you can get in this class will be determined by how hard you work, I suppose, by yourself and with your classmates.

[2] Course Learning Outcomes

You will learn the following topics: Radomized trials, regression analysis, instrumental variables (IV), regression discontinuity design (RDD), differences-in-differences (DiD), and hands-on experience with Stata.

[3] Class Delivery Method

The instructor will give a weekly lecture from the first week. Five sets of homework will be assigned. Doing homework is crucial part of learning. Active discussion is highly appreciated.--Silence is NOT golden.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Attendance: 20

Midterm Exam: 20

Final Exam: 20 (oral exam & computer skill test in a lab, tentatively)

Homework Assignments: 40 total

+ extra credit: 0-20 (based on active participation)

* Absolute performance evaluation does not guarantee "good" grade. In case class average is way low, relative performance evaluation will be applied for the benefit of students.

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Joshua D. Angrist and Jornsteffen Pischke	Princeton University Press	Mastering 'Metrics: The Path from Cause to Effect	2014
(2)				
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)	Joshua D. Angrist and Jornsteffen Pischke	Princeton University Press	Mostly Harmless Econometrics: An Empiricist's Companion	2009
(2)	Jeffrey M. Wooldridge	Cengage Learning	Introductory Econometrics: A Modern Approach (7th Asia ed.)	2020
(3)	Ramu Ramanathan	South-Western	Introductory Econometrics with Applications (5th ed.)	2002

(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Course Introduction Quick Tutorial of Stata
Second week	Randomized Trials
Third week	Randomized Trials
Fourth week	Regression
Fifth week	Regression
Sixth week	Instrumental Variables
Seventh week	Instrumental Variables
Eighth week	Midterm Examination
Ninth week	Regression Discontinuity Designs
Tenth week	Regression Discontinuity Designs
Eleventh week	Regression Discontinuity Designs
Twelfth week	Differences-in-Differences
Thirteenth week	Differences-in-Differences
Fourteenth week	Differences-in-Differences
Fifteenth week	Final Examination
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	INTERNATIONAL BUSINESS	Course Number	KA06180001
Major / School Year	Korean Trade & Commerce / 3	completion division / Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김윤경	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO220:월(2B-3),금(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course introduces elements of international business that challenges and enables businesses to compete successfully in the global marketplace. This course aims to improve students' understanding that the Globalization of business brings new opportunities and threats to firms, individuals, and governments.

[2] Course Learning Outcomes

Students are becoming familiar with three basic areas: underlying theories of international business, environmental factors affecting international activities, and the management of business functional operations in an international context.

[3] Class Delivery Method

Lectures and Case Study discussion. Selected cases and discussion schedule will be announced in the first class.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm: 30%

Final Paper: 30%

Discussion Assignments: 20%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학칙시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Hill, C.	Publisher	McGraw-Hill	Textbook	International Business: Competing in the Global Marketplace (14e)	Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year

[Reference books]

(1)	Author		Publisher		Textbook		Issued year
(2)	Author		Publisher		Textbook		Issued year
(3)	Author		Publisher		Textbook		Issued year
(4)	Author		Publisher		Textbook		Issued year
(5)	Author		Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Ch 1. Globalization
Third week	Ch 2. National Differences in Political, Economic, and Legal Systems Ch 3. National Differences in Economic Development
Fourth week	Ch 4. Differences in Culture
Fifth week	Ch 5. Ethics, Corporate Social Responsibility, and Sustainability
Sixth week	Ch 6. International Trade Theory
Seventh week	Ch 8. Foreign Direct Investment
Eighth week	Midterm Exam
Ninth week	Ch 11. The International Monetary System
Tenth week	Ch 13. The Strategy of International Business
Eleventh week	Ch 14. The Organization of International Business
Twelfth week	Ch 15. Entering Developed and Emerging Markets
Thirteenth week	Ch 16. Exporting, Importing, and Countertrade
Fourteenth week	Writing Final Papers
Fifteenth week	Final Paper submission
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Special Topics on Financial Economics	Course Number	0009539001
Major / School Year	Korean Trade & Commerce / 3	completion division /Grade evaluation	/
Department/Professor	School of Northeast Asian Studies / 김윤경	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SO220:월(4-5A),금(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

This course presents the fundamental concepts of financial accounting and finance, from the perspective of both managers and investors. The course emphasizes understanding, analyzing, and integrating financial information as an aid to making financial decisions. *Prerequisite: In order to enroll in this course, students must have either taken Financial Economics (0009531001) or possess equivalent knowledge in Financial Accounting.*

[2] Course Learning Outcomes

Students are expected to gain a solid understanding of key financial concepts related to corporate finance. In addition, this course is to provide students with fundamental principles and tools used in corporate finance.

[3] Class Delivery Method

Lectures and Discussions

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

Midterm Exam: 30%

Final Exam: 30%

Discussion Assignments: 20%

Attendance: 20%

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	McGraw-Hill	Textbook	Essentials of Corporate Finance (11e)	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Publisher		Textbook	Any introductory Financial Accounting textbook	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year
(4)	Author	Publisher		Textbook		Issued year
(5)	Author	Publisher		Textbook		Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Ch 1. Introduction to Financial Management
Third week	Ch 2. Financial Statements, Taxes, and Cash Flow
Fourth week	Ch 3. Working with Financial Statements
Fifth week	Ch 4. Introduction to Valuation: The Time Value of Money
Sixth week	Ch 5. Discounted Cash Flow Valuation
Seventh week	Ch 5. Discounted Cash Flow Valuation (cont'd)
Eighth week	Midterm Exam
Ninth week	Ch 6. Interest Rates and Bond Valuation
Tenth week	Ch 7. Equity Markets and Stock Valuation
Eleventh week	Ch 8. Net Present Value and Other Investment Criteria
Twelfth week	Ch 9. Making Capital Investment Decisions
Thirteenth week	Ch 11. Risk and Return
Fourteenth week	Ch 12. Cost of Capital
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Global Environment and Public Problems	Course Number	0007364001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Public Administration / 타오	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM107:화(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

What are the major environmental problems facing the world today? If you answered "global warming and climate change", you are only partly correct. There are actually many problems that face people around the globe today, but climate change affects different parts of the globe in different ways. What will happen here in Korea? What can governments do about it? This course will engage students in interdisciplinary discussions about public problems related to climate change, e.g. rising sea levels, increasing storm intensity and frequency, drought and water shortages, migrations of species to new latitudes, increased frequency and intensity of outbreaks of disease, and the ways in which governments are currently preparing for such problems. But we will also look at some issues that have not received as much attention, such as how space exploration may be used to address environmental problems here on Earth.

[2] Course Learning Outcomes

Student progress will be determined through 3 in-class/on-line tests and a final project and presentation.

Tests (3, including the final exam):60%

Attendance and participation: 20%

Final presentation: 20%

[3] Class Delivery Method

The course has three main objectives: first, to introduce students to the breadth of possible problems caused by climate change; second, to familiarize students with the science behind diagnosing and predicting such problems; and third, to equip students with an understanding of how different governments around the world are planning to address these issues. The course will use a mixture of lecture, discussion, and site visits to different locations that are important to the explication of the class content.

@ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	0 %	0 %	10 %	30 %	10 %	0 %	0 %

ⓑ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	45 %	0 %	25 %	0 %	0 %	20 %

[4] Grading Policies

Since this course will be offered mostly on-line, attendance at the few Zoom sessions is mandatory. Make a note of the dates now. And this course is taught entirely in English. This means that if you are not comfortable in listening or in speaking in English, you should probably not take this course.

@ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Read them as best you can.	Textbook	Readings will be posted each week. They are meant to help you understand the lectures.	Issued year
(2)	Author	Publisher		Textbook		Issued year
(3)	Author	Publisher		Textbook		Issued year

[Reference books]

(1)	Author	Rachel Carson	Publisher	Houghton Mifflin Harcourt	Textbook	Silent Spring	Issued year	2002
(2)	Author	Thomas I. Friedman	Publisher		Textbook	Flat, Hot and Crowded 2.0	Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

Readings will be provided by the professor. Students should come to class the first week to make sure they sign up for readings.

[6] Weekly lesson plans

First week	Please see Korean version of syllabus for details each week.
Second week	2 degrees Centigrade--why is this important? The global warming problem and what causes it: What can be done to reduce Green House Gases (GHGs)? -Energy and power production -Transportation -Technological innovation
Third week	Genetically modified organisms--GMOs-- what are they, why do we have them, and are they beneficial or dangerous?
Fourth week	The hole in the ozone layer--where is it? Why should we worry? The Montreal Protocol and what it's done.
Fifth week	NO IN-CLASS LECTURE THIS WEEK (HOLIDAY ON OCT. 3rd) Lecture will be online--please watch the lecture video to receive attendance credit. Ocean issues-- Melting ice caps and rising sea levels--who will lose? REVIEW FOR FIRST TEST (Last part of online lecture)
Sixth week	First exam (first 90 minutes of class)
Seventh week	Please see Korean version of syllabus for details each week.
Eighth week	Anthropocene--What can we learn from the Permian Extinction? What can we learn from the earth's long history? And what can learn by looking at our own history?
Ninth week	The Green Revolution: What was it, and why might we need another one? What should we do about potential threats to our food supply?
Tenth week	Please see Korean version of syllabus for details each week.
Eleventh week	Second exam (first 90 minutes of class)
Twelfth week	Population growth in the developing world--how can we think sustainably about growth and poverty reduction? (UNESCAP --guest speaker)
Thirteenth week	What can we learn from Best Practices? Sitra, LUSH, the GCF, 350.org, and other examples of climate "aware" organizations. And a note on "alternative science". Guest speaker from the GCF.
Fourteenth week	Presentations and final thoughts
Fifteenth week	Final exam (2 hours from 9 am - 11am).
Sixteenth week	Makeup classes if necessary

[7] Assignments

The first assignment	assignment	Test 1	submission date	2023-10-10 Tue
	purpose			
	procedure & notice	This exam is worth 20% of your final grade, and will cover the material from the first 5 classes. You will have 90 minutes to complete and submit the test.		
	references			
The second assignment	assignment	Test 2	submission date	2023-11-14 Tue
	purpose			
	procedure & notice	This exam is worth 20% of your final grade, and will cover the material from the 6th week of class to the 10th week of classes. You will have 90 minutes to complete and submit the test.		
	references			
The third	assignment	Final Exam	submission date	2023-12-12 Tue
	purpose			
		This is the final exam, and will be worth 20% of your grade. It will cover the entire semester, including the final weeks of lecture, Weeks 11 through 13. If		

assignment	procedure & notice	you have done well on the first two tests (grade of 80% or higher), you may opt to skip the final exam in lieu of using your test score averages from the first two exams as your final exam score.
	references	

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Introduction to Film and Media Studies	Course Number	0009089001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 조지민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM504:수(5B-6)(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course provides an introduction to a range of approaches to viewing and analyzing films from the languages, aesthetics, and cultures of cinema. You will build vocabulary of film form and learn to construct an argument about what a film's sounds and images mean and how it structures and achieves its meaning, with a brief overview of the study of film genre, film history, and film theory.

Special attention will be paid to writing about film, and this course will develop the critical thinking and writing skills needed for academic film analysis. By the end of the course, students will be able to define and employ terms and concepts fundamental to film studies, and ultimately write analytical essays that show an understanding of film form and culture.

[2] Course Learning Outcomes

1. To learn the fundamentals required for film study.
2. To understand the basic terms and techniques needed for discussing film.
3. To apply these terms and techniques descriptively and functionally in film analysis.
4. To read and interpret films in their cultural contexts.
5. To articulate your understanding of film and filmmaking knowledgeably and effectively, through both written and oral presentations, and thereby to create well-organized, thoughtful critical analyses of films viewed.
6. To form an intellectually challenging, supportive, and fun classroom community of viewers, readers, writers, and learners.

[3] Class Delivery Method

Lecture, Discussion, Viewing films, Analysis and Presentations
ENGLISH LECTURE (NO KOREAN)

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
60 %	20 %	0 %	10 %	10 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	80 %	0 %	10 %	0 %	10 %	0 %

[4] Grading Policies

Please refer to paper syllabus provided on first day of lecture

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Barsam, R. M., & Monahan, D.	Publisher	Norton & Company	Textbook	Looking at Movies: An introduction to film.	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author	Hornaday, Ann	Publisher		Textbook	Talking Pictures: How to Watch Movies	Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	Topics: Exploring the work and assumptions of cinematic language; becoming a critical viewer; seeing film through the lens of a filmmaker
Second week	Topics: Principles of film form: Analyzing film in relation to form and content: verisimilitude; manipulation of time and space
Third week	Topics: Genres and elements of narrative; script format
Fourth week	Topics: Elements of a story
Fifth week	Topics: Thinking about images: Exploring visual design; mise-en-scene; elements of design; composition & kinesic
Sixth week	Topics: Thinking about moving images: Exploring cinematography; the relationship of people and things to one another in film; implied proximity; depth; camera angles and movement; speed and length of shot
Seventh week	Topics: Documentary: Exploring film history; aesthetics, technology, economics and social history
Eighth week	Topic: Group Presentation
Ninth week	Topics: Acting and aspects of performance; styles and influences Week Ten: 9 Nov
Tenth week	Topics: Editing
Eleventh week	Topics: Sounding out the image: exploring sound and dialogue; juxtaposition and meaning, duration, pace and rhythm, transitions; the relationship of sound to image, diegetic vs. non-diegetic, recording techniques, sound design
Twelfth week	Topics: effects of Social Media
Thirteenth week	Topics: The Relationship of the viewer to the film; audience demographics: film as moral, philosophical, or social statements; film as emotional or sensual experience and Asian representation in film and media,
Fourteenth week	Review paper Presentation
Fifteenth week	Review paper Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment	Tell a story in 6 photos and story board	submission date	
	purpose	Structure and composition of story and visualize the organize the composition		
	procedure & notice			
	references			
The second assignment	assignment	Film analysis (group work)	submission date	
	purpose	fundamental concepts of narrative story structure within a screenplay		
	procedure & notice			
	references			
The third assignment	assignment	Critical review Paper	submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Introductory College Writing	Course Number	0009081001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Institute of General Education / 피터 래버	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM501:목(2)(3)(4)]
Office hours		lecture room	

[1] Outline / Purpose

The principal goal of this course is, most obviously, to help you to improve and fine-tune your writing skills. Its more subtle goal is to enable you to see the extent to which your perception of the "world" is determined by language, and to help you to use language in ways essential to discovery, to learning, and to knowing. Thus, Introductory College Writing is, first and foremost, a survival course in that it teaches you the writing skills that will improve your chances of success in any field of study or occupation. More immediately, this class is designed to prepare you to handle the writing assignments you will be given during your career at INU. Only in successfully completing the writing assignments in your courses (and, quite naturally, also in this course) will you be able to "survive" at INU and graduate with strong qualifications for the job world. Welcome and enjoy!

[2] Course Learning Outcomes

As the title of this course suggests, Introductory College Writing will focus on composition—on the art of arranging and developing your ideas in writing. This means that the course attempts to teach you to write, mainly by examining, analyzing and practicing various modes of writing. (It is not a course in spelling, grammar, and mechanics, even though we may take time out to talk about these). On a most fundamental level, its goal is to raise your awareness with regard to both your writing and reading. Through the careful study of thought-provoking texts you will develop better reading skills and understand the effects of these texts on you more clearly. At the same time, frequent assignments in and out of class will sharpen your writing skills and make you more aware of your own way/style of writing. Only by understanding more clearly the nature of your own writing will you be able to make use of the suggestions of improvement that are at the center of this course.

[3] Class Delivery Method

This course focuses on writing for Academia and as such we will start with basic sentence structure and move into writing paragraphs by the end of the semester. We will write and read every week during class to prepare you for the academic world.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

Grading and attendance -

Attendance as a policy at our school is 20%. Each class we will have practical practice and feedback. As there will be no homework, this will be your only time to get feedback on your writing. You will need to come to improve.

Exams

There will be a midterm and a final exam. The midterm exam will be on the general and specific structures of the sentence: theoretical and practical knowledge will be tested. The final exam will be the same but about paragraphs. You will need to prepare for and study using the book.

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Dorothy Zemach / Carlos Islam	Publisher	Macmillan Education	Textbook	Writing: Paragraphs: From Topic to Paragraph	Issued year	2020
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Beginning to Work
Third week	Topic Sentences
Fourth week	Adjectives
Fifth week	Capitalization / Adjectives (continued)
Sixth week	How to begin: Finding a place to start. What to write about.
Seventh week	Opinion Sentences – Getting your point across.
Eighth week	Midterm
Ninth week	Explaining Cause and Effect
Tenth week	Logical Order of supporting sentences
Eleventh week	Time expressions in paragraphs
Twelfth week	Comparison Paragraphs
Thirteenth week	Explaining your decisions
Fourteenth week	Writing about the Future
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
	assignment		submission	

The third assignment			date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Language and Culture	Course Number	0009083001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 조지민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM504:수(1-2A)(2B-3)]
Office hours		lecture room	

[1] Outline / Purpose

This course reviews a wide variety of culture and language, and interconnectedness between language and culture. It examines the way language reflects beliefs and values of a society, and analyses the influences culture and language on behaviour.

[2] Course Learning Outcomes

1. Understand how the use of language has a symbolic relationship with culture
2. Identify the ways in which the students uses language in daily life
3. Understand how language enables, structures and contained our interactions
4. Understand how language and culture have affected one another
5. critically assess their own culture and language and point out examples where their culture and language affect one another
6. Understand how language develop and change over time

[3] Class Delivery Method

Lecture, discussion and presentation
NO KOREAN used in this class

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Jack Eller	Publisher	Routledge	Textbook	cultural anthropology	Issued year	2009
(2)	Author	Guy Deutscher	Publisher	metropolitan books	Textbook	through the language class	Issued year	2010
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	welcome to class Introduction to culture and language Outline
Second week	The concept of culture –start collecting discussion papers: how effective is English as a medium of instruction
Third week	Language
Fourth week	Research methods in cultural studies – part 1
Fifth week	Research methods in cultural studies – part 2
Sixth week	Language, cultural and identity
Seventh week	Language and communication
Eighth week	Language in action
Ninth week	Marriage and family
Tenth week	Kinship and descent
Eleventh week	Social stratification
Twelfth week	Sex and gender
Thirteenth week	beliefs
Fourteenth week	Culture change and globalization
Fifteenth week	Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment	b) research paper: how effective is English as a medium of instruction	submission date	
	purpose	a. Literature review. b. final paper c. presentation		
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Language and Culture	Course Number	0009083002
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 조지민	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM504:목(5B-6)(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

This course reviews a wide variety of culture and language, and interconnectedness between language and culture. It examines the way language reflects beliefs and values of a society, and analyses the influences culture and language on behaviour.

[2] Course Learning Outcomes

1. Understand how the use of language has a symbolic relationship with culture
2. Identify the ways in which the students uses language in daily life
3. Understand how language enables, structures and contained our interactions
4. Understand how language and culture have affected one another
5. critically assess their own culture and language and point out examples where their culture and language affect one another
6. Understand how language develop and change over time

[3] Class Delivery Method

Lecture, discussion and presentation
NO KOREAN used in this class

(a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
70 %	30 %	0 %	0 %	0 %	0 %	0 %	0 %

(b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

(a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)	Jack Eller	Routledge	cultural anthropology	2009
(2)	Guy Deutscher	metroplitan books	through the language class	2010
(3)				

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(1)				
(2)				
(3)				
(4)				
(5)				

[Other books]

[6] Weekly lesson plans

First week	welcome to class Introduction to culture and language Outline
Second week	The concept of culture –start collecting discussion papers: how effective is English as a medium of instruction
Third week	Language
Fourth week	Research methods in cultural studies – part 1
Fifth week	Research methods in cultural studies – part 2
Sixth week	Language, cultural and identity
Seventh week	Language and communication
Eighth week	Language in action
Ninth week	Marriage and family
Tenth week	Kinship and descent
Eleventh week	Social stratification
Twelfth week	Sex and gender
Thirteenth week	beliefs
Fourteenth week	Culture change and globalization
Fifteenth week	Presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment	b) research paper: how effective is English as a medium of instruction	submission date	
	purpose	a. Literature review. b. final paper c. presentation		
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Running and Health	Course Number	0010538001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 윤기준	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZC102:수(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업의 목적은 문화로서의 달리기를 체험하고 이를 바탕으로 건강/운동 체력을 증진시키는 데 있다.

[2] Course Learning Outcomes

세 가지의 목표는 다음과 같다.

1. 달리기를 통한 건강 증진 방법을 이해하고 실천할 수 있다.
2. 문화(culture)로서의 달리기를 이해하고 실천할 수 있다.
3. 건강 증진에 도움이 되는 식습관을 이해하고 실천할 수 있다.

[3] Class Delivery Method

출석을 제외한 수업 내용의 비율은 다음과 같다.

1. 실기(50%)
2. 과제(30%)
3. 출석(20%)

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
50 %	20 %	30 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션 과제 및 실습 내용 안내
Second week	체력 상태 점검 달리기 기본자세 배우기
Third week	문화로서의 달리기 이해하기 BMI 측정 100, 200, 400m 달리기
Fourth week	중장거리 달리기 관련 이론 배우기 1km 기록 측정하기 주간 식습관 자기 반성
Fifth week	400m 인터벌 주간 식습관 자기 반성
Sixth week	800m 인터벌 주간 식습관 자기 반성
Seventh week	1km 달리기(8:00/1km 페이스)
Eighth week	중간고사 주간 식습관 자기 반성
Ninth week	1km 달리기(최대강도: 50% HR) 인터벌 달리기
Tenth week	1km 달리기 (최대강도: 60% HR) 인터벌 달리기
Eleventh week	2km 달리기(최대강도: 60% HR) 인터벌 달리기
Twelfth week	2km 달리기(최대강도: 70% HR) 러닝크루 체험하기
Thirteenth week	3km 달리기(최대강도: 70% HR) 러닝크루 체험하기
Fourteenth week	5km 달리기(최대강도: 70% HR) 러닝크루 체험하기
Fifteenth week	기말고사
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Running and Health	Course Number	0010538002
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Sport Science / 변경호	Grades/Lecture/ Practice	1 / 0 / 2
Phone Number		A weekday / class /	[ZC102:월(7)(8)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 달리기를 통하여 건강과 체력을 향상 시키는데 있다.

[2] Course Learning Outcomes

본 수업은 다음과 같은 세부 목표를 가진다.

1. 체력 수준을 평가를 통해 자신의 건강 및 체력 상태를 이해하고, 건강 및 체력 향상을 위한 목표를 세울 수 있다.
2. 올바른 주법을 익히고 정기적인 달리기를 통한 건강 증진 방법을 이해하고 실천할 수 있다.
3. 건강한 신체조성을 위한 식습관을 이해하고 실천한다.

[3] Class Delivery Method

실기 40%

과제 40%

출석 20%

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	오리엔테이션
Second week	체력 평가 - 1200미터 달리기 (대운동장 3바퀴) - 최대 심박수 체크하기 - 달리기 속도 / 보폭 분석
Third week	- 기본 주법 배우기 - 단거리 인터벌 트레이닝 200 m * 6 - 기본과제 : 1 K 달리기 또는 10분 달리기
Fourth week	- 단거리 인터벌 트레이닝 400 m * 6 - 기본과제 : 1.5 K 달리기 또는 15분 달리기
Fifth week	- 공원 달리기 2K @ 해돋이 - 기본과제 : 2 K 달리기 또는 20분 달리기
Sixth week	- 공원 달리기 3K @ 해돋이 - 기본과제 : 2 K 달리기 또는 20분 달리기
Seventh week	- 공원 달리기 4K @ 해돋이 - 기본과제 : 2 K 달리기 또는 20분 달리기
Eighth week	중간고사 - 2K 달리기
Ninth week	- 공원 달리기 3,5K @ 센트럴파크 - 기본과제 : 3 K 달리기 - 심박수 체크하기
Tenth week	- 공원 달리기 3,5K @ 센트럴파크 - 기본과제 : 3 K 달리기 - 심박수 체크하기
Eleventh week	- 공원 달리기 4K @ 센트럴파크 - 기본과제 : 3 K 달리기 - 심박수 체크하기
Twelfth week	- 공원 달리기 4K @ 센트럴파크 - 기본과제 : 3 K 달리기 - 심박수 체크하기
Thirteenth week	- 공원 달리기 5K @ 솔찬공원 달리기 - 기본과제 : 3 K 달리기
Fourteenth week	- 공원 달리기 5K @ 솔찬공원 달리기 - 기본과제 : 3 K 달리기
Fifteenth week	기말고사 - 5K 달리기
Sixteenth week	

[7] Assignments

The first assignment	assignment	달리기 기록지	submission date	2023-12-11 Mon
	purpose			
	procedure & notice	3주차부터 14주차까지 자율 달리기 기록지를 양식에 맞춰 제출한다.		
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Global PR Campaigns A Case Study Approach	Course Number	0008630001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	/ 김지선	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SM502:화(5B-6)(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

The course is designed to introduce students to the global perspective of public relations with an emphasis on analyzing and evaluating real-world global PR campaigns. Topics and issues discussed include global PR strategy, social media campaigns, international/intercultural communication, corporate social responsibility (CSR), public service announcements (PSAs), and case studies.

[2] Course Learning Outcomes

- Understand the influences of key international factors and variables on the practice of public relations, from research and strategy through implementation and evaluation.
- Make good strategic and ethical decisions regarding issues of global PR.
- Gain experience working collaboratively in a group to evaluate global PR campaigns
- Develop a better global perspective, positively affecting their personal worldview and professional practice.

[3] Class Delivery Method

Various methods will be employed in this course: lecture, discussion, and presentation. Interactive classroom discussions will enhance learning, but are dependent on student participation.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
30 %	40 %	0 %	0 %	20 %	10 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	60 %	0 %	40 %	0 %	0 %	0 %

[4] Grading Policies

Grades are earned not given. You are responsible for your own success in the course.

Final course grade will be based on these percentages:

Attendance (20%)

Participation (10%)

Discussion Questions and Discussion Leader (10%)

Midterm Exam (20%)

Final Exam (20%)

Final Team Project (20%)

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

There is no required textbook in this course. Instead all required readings will be posted on the course website.

[6] Weekly lesson plans

First week	Intro to Course *The instructor reserves the right to change the topics, assignments, grading system, and schedule if necessary. All changes will be announced in class.
Second week	What is PR? PR vs. Advertising vs. Marketing: What's the difference?
Third week	Global PR and Diverse Publics
Fourth week	Values and Cultures, Dimensions of Culture
Fifth week	PR Process: RACE
Sixth week	Cultural Differences & Communication
Seventh week	Global PR Campaign Examples
Eighth week	Midterm Exam
Ninth week	Campaign Program Planning
Tenth week	Communication Strategies
Eleventh week	Global PR Campaign Examples
Twelfth week	Global PR Campaign Examples
Thirteenth week	Team Discussion
Fourteenth week	Final Team Project Presentations
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	New Waves of Korean Culture	Course Number	0006404001
Major / School Year	Faculty of Liberal Education / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Korean Language & Literature /	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SP212:금(4-5A)(5B-6)]
Office hours		lecture room	

[1] Outline / Purpose

This course is aimed to examine the issues having emerged in Korean society since 2000 through reviewing relevant movies in an effort to diagnose the present and forecast the future of Korea. In particular, a focus is placed on the values and lives of the Koreans in Korea that has entered into a multi-cultural society and thus on a way to internationally balanced perspective and the value of integration and collaboration will be sought.

[2] Course Learning Outcomes

The course aims to predict the future of Korean Wave and Global Synergy by examining the value and flow of it, and reviewing the role of Korean Wave in international society and the ripple effect of Korean Wave from diverse perspectives. Also, it aims to review what effect of Korean Wave has on the domains such as politics, economy, culture, diplomacy and contemplate the position of Korea in international society being changed by Korean Wave.

[3] Class Delivery Method

This course is made up of lectures and group project. Each student group has to make a presentation at least once. Topic for presentation can be chosen in each group, but has to be related to the contents of lecture. It is expected that presentation will reflect a groups perspective on a specific issue or topic. In addition, each team has to establish its own stance on the theme of lecture and debate with other groups. No assignment will be given to individual students and final test will be given once in the last week of the course.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
50 %	20 %	0 %	0 %	20 %	0 %	0 %	10 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Korean Wave in Asia and Beyond(1)
Second week	Korean Wave in Asia and Beyond(2)
Third week	Korean Wave and Social Change in Korea(1)
Fourth week	Korean Wave and Social Change in Korea(2)
Fifth week	The changing image of Korea(1)
Sixth week	The changing image of Korea(2)
Seventh week	The changing image of Korea(3)
Eighth week	Test
Ninth week	Ode to My Father and Contemporary Korean History
Tenth week	Mother and Korean Family(1)
Eleventh week	Masquerade and Korean Leadership Styles
Twelfth week	Punch and Multi-Cultural Society
Thirteenth week	Secret Reunion and Reunification
Fourteenth week	The Throne and Korean Family(2)
Fifteenth week	The Future of Korea
Sixteenth week	Final Test

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Computational materials science	Course Number	0011190001
Major / School Year	Dept. of Optoelectronics / 전학년	completion division / Grade evaluation	/
Department/Professor	Dept. of Physics / 엠후 도르츠	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF326:목(1-2A),금(7-8A)]
Office hours		lecture room	

[1] Outline / Purpose

Today the supercomputer based simulation is of the most important subjects in materials science, physics, and chemistry. The content in this course is twofold. First half of the semester covers the essentials of the computational science and explains how computational tools and techniques work to solve the materials science problems. And, for the second half, we will study some basic programming tools, such as MATLAB and MATEHMATICA, as well as practical simulations of material properties such as structural, electronic, optic, and magnetism, using VASP and WIEN2k codes, and various of example materials in the beginning level.

[2] Course Learning Outcomes

You will obtain the basic knowledge on computational sciences and programming tools.

[3] Class Delivery Method

Lecture with ppt slides and computer simulations using supercomputing facilities.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
40 %	20 %	20 %	20 %	0 %	0 %	0 %	0 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
20 %	0 %	20 %	0 %	0 %	0 %	60 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	June Gunn Lee	Publisher	Taylor & Francis	Textbook	Computational Materials Science: An introduction	Issued year	2012
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Computational material science, methods in computational physics
Third week	Computational material science, methods in computational physics
Fourth week	Equations of motions in MATHEMATICA and MATLAB
Fifth week	Equations of motions in MATHEMATICA and MATLAB
Sixth week	Differential equations in MATHEMATICA and MATLAB
Seventh week	Differential equations in MATHEMATICA and MATLAB
Eighth week	Midterm
Ninth week	Introduction to density functional theory
Tenth week	Density functional theory simulations with VASP
Eleventh week	First-principles methods
Twelfth week	Molecular dynamics
Thirteenth week	Practical problems with density functional theory simulation
Fourteenth week	Practical problems with density functional theory simulation
Fifteenth week	Practical problems with density functional theory simulation
Sixteenth week	Final exam

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Design-driven business	Course Number	0008439001
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Design / 흥민석	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2204:화(1)(2)(3)]
Office hours		lecture room	

[1] Outline / Purpose

디자인 결과물은 단시간에 정해지지 않는다. 제품을 완성하기 위한 과정에서 사용자 및 고객 중심의 관찰, 정의, 개발, 전달이 잘 되었을 때 창의적이고 혁신적인 디자인제품이 완성될 수 있다. 단계별 디자인 프로세스를 디자인 프로세스 과정에서 나타나는 문제점을 해결하는 방법을 찾고 이해한다.

Design outcomes are not determined in a short time. In the process of completing a product, creative and innovative design products can be completed when user and customer-oriented observation, definition, development, and delivery are well done. Find and understand the step-by-step design process to solve problems that appear during the design process.

[2] Course Learning Outcomes

산업디자인 프로세스는 모든 분야에 포함되어 있는 특성으로 분야별로 적절한 프로세스로 적용하고 진행해야 한다.

사례와 이론을 통해 실무에서 사용되고 있는 프로세스를 이해하고 실습한다.

비주얼만 해결하는 디자인이 아닌 사용자를 위한 디자인 설계로 사용자에게 만족감을 줄 수 있는 디자인을 제시 할 수 있도록 한다.

As the industrial design process is a characteristic included in all fields, it must be applied and proceeded as an appropriate process for each field.

Through examples and theories, students understand and practice the processes used in practice.

It is not a design that solves only the visual, but a design for the user, so that it can present a design that can give the user satisfaction.

[3] Class Delivery Method

디자인 프로세스에 대해 이론 강의로 진행하며 실습은 과제의 형태로 진행한다.

- 산업디자인 프로세스 실무 사례를 통한 분석

- 세부 프로세스의 단계별 학습 및 토론

- 이론에 대한 실습 발표 평가

Theory lectures are conducted on the design process, and practice is conducted in the form of assignments.

- Analysis through practical cases of industrial design process

- Step-by-step learning and discussion of detailed processes

- Evaluate practical presentations on theory

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
80 %	0 %	0 %	0 %	0 %	0 %	0 %	20 %

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
0 %	20 %	80 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점

· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(1)			Textbook	Issued year
(2)			Textbook	Issued year
(3)			Textbook	Issued year

[Reference books]

(1)	Author	신민섭	Publisher	복랩	Textbook	제품디자인 프로세스 실무 과정	Issued year	2018
(2)					Textbook		Issued year	
(3)					Textbook		Issued year	
(4)					Textbook		Issued year	

(5)	Author		Publisher		Textbook		Issued year	
-----	--------	--	-----------	--	----------	--	-------------	--

[Other books]

[6] Weekly lesson plans

First week	수업개요 및 진행 방법 소개 Class outline and introduction
Second week	디자인 단계별 세부 프로세스 사례 분석(1) - Design detailed process and case analysis (1)
Third week	디자인 단계별 세부 프로세스 사례 분석(2) - Design detailed process and case analysis (2)
Fourth week	디자인 단계별 세부 프로세스 사례 분석(3) - Design detailed process and case analysis (3)
Fifth week	디자인 단계별 세부 프로세스 사례 분석(4) - Design detailed process and case analysis (4)
Sixth week	디자인 단계별 세부 프로세스 및 사례 분석(5) - Design detailed process and case analysis (5)
Seventh week	디자인 단계별 세부 프로세스 및 사례 분석(6) - Design detailed process and case analysis (6)
Eighth week	발표 및 평가 presentation and evaluation
Ninth week	사용자 분석 방법 (1) - User analysis method (1)
Tenth week	사용자 분석 방법 (2) - User analysis method (2)
Eleventh week	사용자 분석 방법 (3) - User analysis method (3)
Twelfth week	사용자 분석 방법 (4) - User analysis method (4)
Thirteenth week	사용자 분석 방법 (5) - User analysis method (5)
Fourteenth week	트렌드 분석 -Trend analysis
Fifteenth week	발표 및 평가 presentation and evaluation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Visualization and presentation techniques for design	Course Number	0008441001
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	Division of Design / 김성욱	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2403:금(8)(9)(0±1)]
Office hours		lecture room	

[1] Outline / Purpose

Practical class on virtual production technology that enables video production in various spaces and time zones.
A class to create videos about disaster safety by realizing disasters and disaster sites that are difficult or impossible to film through real-time Unreal Engine and Twinmotion, simple planning and filming.

[2] Course Learning Outcomes

Along with an introductory explanation of the real-time engine, the goal is to create a virtual space using Twinmotion, plan and shoot, and finally create a 15-second advertisement or notification video related to disasters.

[3] Class Delivery Method

1. Computer practice dealing with virtual space production
2. Video production practice shooting in external virtual production
3. Final video production through editing
4. Production of presentation and proposal for progress

Classes are conducted based on audio-visual materials and programs in the original language, and Korean language explanations are included for partial understanding.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
20 %	10 %	0 %	50 %	10 %	0 %	10 %	0 %

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
0 %	0 %	0 %	0 %	50 %	0 %	50 %	0 %

[4] Grading Policies

The planning for the disaster video, the filming plan document, and the final result are used as the criteria for learning evaluation.

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
10 %	20 %	70 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation (about disaster VR video, Unreal, twin motion, real-time engine, team building)
Second week	Unreal Engine Basics
Third week	twin motion
Fourth week	Disaster vr video planning
Fifth week	Making virtual level scene 1
Sixth week	Making virtual level scene 2
Seventh week	Interim Evaluation – Presentation of Director Conti and Mutual Criticism
Eighth week	Disaster VR filming and basics of virtual production filming
Ninth week	Making disaster VR level scene for filming 1
Tenth week	Making disaster VR level scene for filming 2
Eleventh week	Pre-production meeting
Twelfth week	Virtual Production Studio Shooting (8 hours) – 2 weeks work
Thirteenth week	Rough editing and color correction
Fourteenth week	(Free work)
Fifteenth week	Presentation of final result and mutual critique
Sixteenth week	

[7] Assignments

The first assignment	assignment	Disaster VR video directing design	submission date	2023-10-20 Fri
	purpose	Complete the planning of filming by producing a planning continuity for disaster VR video shooting		
	procedure & notice	Prepare with a plan suitable for production and filming on a virtual level.		
	references			
The second assignment	assignment	Disaster VR video pre-production meeting book	submission date	2023-11-17 Fri
	purpose	Conti and props for preparation for shooting, PPM book for production progress		
	procedure & notice	It is a pre-production meeting for final checks right before filming, so make sure you are well prepared.		
	references			
The third assignment	assignment	Disaster VR video final production	submission date	2023-12-15 Fri
	purpose	Completion of disaster VR video using virtual production.		
	procedure & notice	The video is filmed in virtual production, and the video is completed through editing and post-production.		
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Creative principles for design	Course Number	0008443001
Major / School Year	Dept. of Creative Design / 전학년	completion division / Grade evaluation	/
Department/Professor	/	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SY2204:화(8)(9)(0+1)]
Office hours		lecture room	

[1] Outline / Purpose

[2] Course Learning Outcomes

[3] Class Delivery Method

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
%	%	%

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	
Second week	
Third week	
Fourth week	
Fifth week	
Sixth week	
Seventh week	
Eighth week	
Ninth week	
Tenth week	
Eleventh week	
Twelfth week	
Thirteenth week	
Fourteenth week	
Fifteenth week	
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Cosmetics Formulations	Course Number	0008900001
Major / School Year	Dept. of COSMA The Cosmetic Science & Management / 전학년	completion division /Grade evaluation	/
Department/Professor	Dept. of Marine Science / 권수연	Grades/Lecture/ Practice	3 / 3 / 0
Phone Number		A weekday / class /	[SF421:목(2B-3)(4-5A)]
Office hours		lecture room	

[1] Outline / Purpose

Drawing from the structure of skin and hair and the historical background of cosmetics, this course aims to comprehend the concept of cosmetics in both domestic and global markets, scrutinize the regulations and raw materials based on cosmetic classification, and identify the beauty product creation process.

[2] Course Learning Outcomes

The aim of this course is to understand and learn the process of creating a cosmetic product by examining the regulations and raw materials used in cosmetics distributed across domestic and global markets.

[3] Class Delivery Method

The class will be conducted using lecture slides in PPT format, including topic-related papers that contain information required for cosmetic production.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
40 %	20 %	40 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Orientation
Second week	Understanding of Cosmetics
Third week	Understanding of Cosmetics Regulation
Fourth week	Chuseok
Fifth week	Structure of Skin and Hair
Sixth week	Types and Characteristics of Cosmetic Raw Materials I
Seventh week	Types and Characteristics of Cosmetic Raw Materials II
Eighth week	Mid-term Exam
Ninth week	Natural Cosmetics and Materials
Tenth week	Safety Management and Quality Control of Cosmetics
Eleventh week	Cosmetics Manufacturing I
Twelfth week	Cosmetics Manufacturing II
Thirteenth week	Application of Fragrances
Fourteenth week	Perfume Manufacturing
Fifteenth week	Final Exam
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Future Mobility Project2	Course Number	0011252001
Major / School Year	/ 전학년	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 강창욱	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI224:수(0f1)(0f2)(0f3)(0f4)]
Office hours		lecture room	

[1] Outline / Purpose

This course is a course to design and implement the concept of future mobility. Using the contents learned in the major, each team presents and implements the concept of a future car that fits a given theme.

[2] Course Learning Outcomes

A small mobile platform is provided, and each team aims to present a concept for a future car according to a designated theme and actually implement it. A small mobile platform is intended to be an Arduino-based platform.

[3] Class Delivery Method

1. At the beginning of class, the topic for each team is presented. Topics are composed of social problems or major solutions presented in the field, and the topics are given randomly.

2. When the theme is decided, present an idea suitable for "mobility + theme" and implement it by applying the provided small mobility platform.

ex)

- Selected Topic: Resource Recycling -> Self-driving Sweepers

- Selected Topic: Crimes -> Self-Driving Patrol Cars

- Selected Topic: Power Supply -> Eco-friendly V2L

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Topic selection
Third week	Investigate a solution (1)
Fourth week	Investigate a solution (2)
Fifth week	Investigate a solution (3)
Sixth week	Concept derivation (1)
Seventh week	Concept derivation (2)
Eighth week	Midterm
Ninth week	S/W design (1)
Tenth week	S/W design (2)
Eleventh week	H/W design (1)
Twelfth week	H/W design (2)
Thirteenth week	System integration (1)
Fourteenth week	System integration (2)
Fifteenth week	Final term
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Future Mobility Project2	Course Number	0011252002
Major / School Year	/ 전학년	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 최현규	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI213:화(011)(012)(013)(014)]
Office hours		lecture room	

[1] Outline / Purpose

This course is a course to design and implement the concept of future mobility. Using the contents learned in the major, each team presents and implements the concept of a future car that fits a given theme.

[2] Course Learning Outcomes

A small mobile platform is provided, and each team aims to present a concept for a future car according to a designated theme and actually implement it. A small mobile platform is intended to be an Arduino-based platform.

[3] Class Delivery Method

1. At the beginning of class, the topic for each team is presented. Topics are composed of social problems or major solutions presented in the field, and the topics are given randomly.

2. When the theme is decided, present an idea suitable for "mobility + theme" and implement it by applying the provided small mobility platform.

ex)

- Selected Topic: Resource Recycling -> Self-driving Sweepers

- Selected Topic: Crimes -> Self-Driving Patrol Cars

- Selected Topic: Power Supply -> Eco-friendly V2L

a) Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

b) Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

a) Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Topic selection
Third week	Investigate a solution (1)
Fourth week	Investigate a solution (2)
Fifth week	Investigate a solution (3)
Sixth week	Concept derivation (1)
Seventh week	Concept derivation (2)
Eighth week	Midterm
Ninth week	S/W design (1)
Tenth week	S/W design (2)
Eleventh week	H/W design (1)
Twelfth week	H/W design (2)
Thirteenth week	System integration (1)
Fourteenth week	System integration (2)
Fifteenth week	Final term
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Future Mobility Project2	Course Number	0011252003
Major / School Year	/ 전학년	completion division /Grade evaluation	/
Department/Professor	Dept. of Mechanical Engineering / 이태선	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI213:금(0f1)(0f2)(0f3)(0f4)]
Office hours		lecture room	

[1] Outline / Purpose

This course is a course to design and implement the concept of future mobility. Using the contents learned in the major, each team presents and implements the concept of a future car that fits a given theme.

[2] Course Learning Outcomes

A small mobile platform is provided, and each team aims to present a concept for a future car according to a designated theme and actually implement it. A small mobile platform is intended to be an Arduino-based platform.

[3] Class Delivery Method

1. At the beginning of class, the topic for each team is presented. Topics are composed of social problems or major solutions presented in the field, and the topics are given randomly.

2. When the theme is decided, present an idea suitable for "mobility + theme" and implement it by applying the provided small mobility platform.

ex)

- Selected Topic: Resource Recycling -> Self-driving Sweepers

- Selected Topic: Crimes -> Self-Driving Patrol Cars

- Selected Topic: Power Supply -> Eco-friendly V2L

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

· 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점

· 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Topic selection
Third week	Investigate a solution (1)
Fourth week	Investigate a solution (2)
Fifth week	Investigate a solution (3)
Sixth week	Concept derivation (1)
Seventh week	Concept derivation (2)
Eighth week	Midterm
Ninth week	S/W design (1)
Tenth week	S/W design (2)
Eleventh week	H/W design (1)
Twelfth week	H/W design (2)
Thirteenth week	System integration (1)
Fourteenth week	System integration (2)
Fifteenth week	Final term
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Industry Problem Based Learning2	Course Number	0011255001
Major / School Year	/ 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Electrical Engineering / 윤한신	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI322:수(0f1)(0f2)(0f3)(0f4)]
Office hours		lecture room	

[1] Outline / Purpose

The goal of this class is to solve problems that have industries through industry–university cooperation. Industry, graduate students, undergraduate students, and professors study as a team to research a given topic, find solutions, and implement products.

[2] Course Learning Outcomes

Through this class, students can define and find various problems that may arise in future cars and develop practical skills to solve them.

[3] Class Delivery Method

Industry, graduate students, undergraduate students, and professors are organized as a team. The final purpose of this class is to define a problem, find a solution, and SW or HW product implementation for the given topic.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Team Matching and Problem Definition
Third week	Problem sharing and data research
Fourth week	Data research
Fifth week	Present solutions of problem(1)
Sixth week	Present solutions of problem(2)
Seventh week	Present solutions of problem(2)
Eighth week	Midterm exam
Ninth week	Feedback from mentors and industry(1)
Tenth week	Feedback from mentors and industry(2)
Eleventh week	HW, SW Implementation(1)
Twelfth week	HW, SW Implementation(2)
Thirteenth week	HW, SW Implementation(3)
Fourteenth week	HW, SW Implementation(4)
Fifteenth week	Final result presentation
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Industry Problem Based Learning2	Course Number	0011255002
Major / School Year	/ 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Computer Science and Engineering / 백형부	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI322:목(0f1)(0f2)(0f3)(0f4)]
Office hours		lecture room	

[1] Outline / Purpose

This course is conducted in the form of an industry-academic project aimed at solving the technical difficulties faced by industrial companies. Companies, graduate students, undergraduate students, and professors form a team to explore the given topic, seek solutions, and work towards the final goal of implementing an actual product.

[2] Course Learning Outcomes

Through this course, students can become aware of various potential problems in the field of future vehicles and cultivate practical skills to solve them.

[3] Class Delivery Method

The course is conducted with teams composed of company members, graduate students, undergraduate students, and professors. They define the problem related to a given topic, seek solutions, and aim to implement actual software (S/W) or hardware (H/W) products as the final goal.

① Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

② Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

① Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year

[Reference books]

(1)	Author	Publisher	Textbook	Issued year
(2)	Author	Publisher	Textbook	Issued year
(3)	Author	Publisher	Textbook	Issued year
(4)	Author	Publisher	Textbook	Issued year
(5)	Author	Publisher	Textbook	Issued year

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	Team Matching and Group Problem Definition
Third week	Sharing Group Problems and Literature Research
Fourth week	Literature Research Sharing
Fifth week	Problem Solution Proposal (1)
Sixth week	Problem Solution Proposal (2)
Seventh week	Problem Solution Proposal (3)
Eighth week	Midterm Exam
Ninth week	Feedback through Industry Experts, Mentors (1)
Tenth week	Feedback through Industry Experts, Mentors (2)
Eleventh week	Hardware (H/W) and Software (S/W) Implementation (1)
Twelfth week	Hardware (H/W) and Software (S/W) Implementation (2)
Thirteenth week	Hardware (H/W) and Software (S/W) Implementation (3)
Fourteenth week	Hardware (H/W) and Software (S/W) Implementation (4)
Fifteenth week	Final Results Sharing and Symposium
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			

Syllabus

2023 - 2학기

Date : 2023.08.09

Time : PM 4:33

CourseTitle	Industry Problem Based Learning2	Course Number	0011255003
Major / School Year	/ 4	completion division /Grade evaluation	/
Department/Professor	Dept. of Information and Telecommunication Engineering / 조경훈	Grades/Lecture/ Practice	2 / 0 / 4
Phone Number		A weekday / class /	[SI438:수(0㉠1)(0㉠2)(0㉠3)(0㉠4)]
Office hours		lecture room	

[1] Outline / Purpose

본 수업은 산업체가 겪고 있는 애로기술을 해결하는 산학프로젝트 형식으로 진행된다. 회사, 대학원생, 학부생, 교수가 한 팀이 되어 주어진 주제에 대한 탐구, 해결책 모색, 실제 제품 구현을 최종 목표로 한다

[2] Course Learning Outcomes

학생들은 본 수업을 통해 미래차 분야에 발생할 수 있는 다양한 문제점들을 인지하고, 이를 해결할 수 있는 실무 능력 함양을 할 수 있다.

[3] Class Delivery Method

회사, 대학원생, 학부생, 교수가 한 팀으로 구성되어 진행된다. 주어진 주제에 대하여 문제를 정의하고, 해결책을 모색하며, 실제 S/W 또는 H/W 제품 구현을 최종 목적으로 한다.

㉠ Method of Teaching

Lecture	Discussion	Seminar	Practice	Audiovisual	Material	Field trip	The others
%	%	%	%	%	%	%	%

㉡ Using Tools

Blackboard	OHP	Slide	Chart	Video	Audio	Computer	The others
%	%	%	%	%	%	%	%

[4] Grading Policies

㉠ Percentage of grade evaluation

Exam	Attendance	Assignment
60 %	20 %	20 %

- 출석성적 : 20점 만점 (학칙시행세칙 제56조 제2항) → 일반 과목(3학점) 1시간 결석시 1/3점 감 → 3시간 결석시 1점 감점
- 실제 수업시간수의 1/3 이상 결석한 자 및 부정행위자는 시험 등 성적에 불구 학점인정 불가 (학생시행세칙 제56조 제3항)

[5] Main teaching material & Reference books

[Main teaching material]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	

[Reference books]

(1)	Author		Publisher		Textbook		Issued year	
(2)	Author		Publisher		Textbook		Issued year	
(3)	Author		Publisher		Textbook		Issued year	
(4)	Author		Publisher		Textbook		Issued year	
(5)	Author		Publisher		Textbook		Issued year	

[Other books]

[6] Weekly lesson plans

First week	Introduction
Second week	팀 매칭 및 조별 문제 정의
Third week	조별 문제 공유 및 자료조사
Fourth week	자료조사 공유
Fifth week	문제 해결책 제시(1)
Sixth week	문제 해결책 제시(2)
Seventh week	문제 해결책 제시(3)
Eighth week	중간고사
Ninth week	산업계, 멘토를 통한 피드백 (1)
Tenth week	산업계, 멘토를 통한 피드백 (2)
Eleventh week	H/W, S/W 구현 (1)
Twelfth week	H/W, S/W 구현 (2)
Thirteenth week	H/W, S/W 구현 (3)
Fourteenth week	H/W, S/W 구현 (4)
Fifteenth week	최종 결과 공유 및 교류회
Sixteenth week	

[7] Assignments

The first assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The second assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			
The third assignment	assignment		submission date	
	purpose			
	procedure & notice			
	references			