

Advanced Speaking and Writing in English

Course Name	Course type (credit/hours)	교필(3/3)		Course code	X279
	Target students Division/major/grade	/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	월C(서332) 수C(서332)(서332)		English Grade	A(100%English)
Reference to this course	Prerequisite courses				
	Related basic courses				
	Recommended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	Philip Chivers (조교수/대학 다산학부대학)			
	Office Room Number	성호관 419	Office phone Number	031-219-2831	e-mail
	Office hours	Mon 10.30-11.30, Tues 12.00-13.00, Weds 10.30 - 11.30	Homepage address		
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

Advanced English 1 is a course for students with advanced English skills. Students must pass an interview to be granted enrollment to this class. This course concentrates on English writing and speaking with an emphasis on discussion and creative projects. Speaking lessons include pair work, small group tasks as well as class discussions, activities, and debates. Writing lessons prepare students for academic paragraph-writing. The language of instruction is English and students are expected to communicate in English during class

2. Course Objectives

Students will gain confidence and improve their English speaking abilities by practicing expressions and dialogs and making their own conversations and develop skills for conversational debate. Students will also learn to produce an academic paragraph from a model which includes a topic sentence, supporting sentences and a concluding sentence, developing and supporting a main idea with specific reasons, details and examples.

(1)Notice English pronunciation, intonation and stress patterns and practice speaking more clearly. (related to P07)

(2)Speak more confidently and with less hesitation by repeatedly speaking English in pairs, groups and whole-class activities. (related to P07)

(3)Use appropriate vocabulary and grammar to express their ideas about the course topics. (related to P07)

(4)Follow the steps in the writing process. (related to P07)

3. Class types and activities

Speaking lessons include pair work, small group discussions, and task-based communicative activities. Writing lessons focus on paragraph-writing skills, and include lectures, in-class writing practice and homework writing assignments.

4. Teaching Method

- | | |
|--|--|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input checked="" type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input checked="" type="checkbox"/> designing and production | <input checked="" type="checkbox"/> on-site learning(on-site training) |
| <input checked="" type="checkbox"/> others (The class will feature lectures, pair-work, group discussions, and whole-class discussions. | |

5. Support Systems in Use

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input checked="" type="checkbox"/> web-based assignment |
| <input checked="" type="checkbox"/> cyber lecture | <input checked="" type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input checked="" type="checkbox"/> others (Students will use Google Sheets, Docs and Slides to | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input checked="" type="checkbox"/> others (Task Based Learning. We will use discussion groups |

7. Knowledge and ability required for taking this course

- * Before each class please preview the appropriate unit in the textbook.
수업시간 전에 반드시 책을 읽어 오시기 바랍니다.
- * Online homework should be completed before class.
- * We often use Google docs. Make sure that you are prepared to access Google apps.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	Attendance – 2% for 2 unexcused absences and –2% for each additional unexcused absence. 3 lates constitutes 1 absent
midterm exam		15	Mid Term Exam from units 1,2,4 & 5 plus an academic paragraph
final exam		15	Final Exam from units 8,9,11 & 12
quiz		20	Online writing quiz about questions covered in the paragraph section of the course. Academic paragraph (11–14 sentences) 10% quiz + 10% paragraph
presentation		10	1:1 Formal Speaking Test
discussion			
homework		20	Video Project (15%) Script for the video (5%)
etc		10	Daily class participation. Being active in learning and helping others learn
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	World English 3 (3rd Edition)	Lee, C., Johannsen, Kristin.L., Chase, R.T.	National Geographic Learning, Cengage Learning	2020

10. Class system and Class shedule

<p>Competencies</p> <p>By the end of the course, students will be expected to be able to:</p> <ul style="list-style-type: none"> ?Understand the fundamentals of English grammar and punctuation. ?Engage in conversations about various topics ?Support their own opinions with facts ?Maintain a conversation by developing various topics <p>Objectives</p> <p>To achieve these competencies, students will develop skills in the categories listed below:</p> <ul style="list-style-type: none"> ?Learn vocabulary about a number of different topics ?Understand grammar to engage in topics in an advanced rhetoric ?Practice conversations about a number of different topics <ol style="list-style-type: none"> (1)Notice English pronunciation, intonation and stress patterns and practice speaking more clearly at a higher level of English. (2)Speak more confidently and with less hesitation by repeatedly speaking English in pairs, groups and whole-class activities, including debates and discussions. (3)Use appropriate vocabulary and grammar to express their ideas about the topics. (4)Follow the steps in the writing process. (5)Write using paragraph structure, which includes a topic sentence, supporting sentences, and a concluding sentence. (6)Write using complete sentences, avoiding fragments and run-on sentences. (7)Write using capital letters, periods, commas, and other punctuation correctly.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Course Introduction & Syllabus information Self-Introductions. Writing: Formatting, simple and compound sentences	E	Philip Chivers	Online		
2	Writing: Capitalisation, Topic sentences, complex sentences. Writing process, parts of a paragraph Practice paragraph	E	Philip Chivers	Online		
3	Writing: TOEFL writing process practice. Writing: Writing mechanics	E	Philip Chivers	Online		
4	World English: Unit 1	E	Philip Chivers	Online		
5	World English: Unit 2	E	Philip Chivers	Online		
6	World English: Unit 4	E	Philip Chivers	Online		
7	World English: Unit 5	E	Philip Chivers	Online		
8	Midterm Exam	E	Philip Chivers	Online		
9	World English: Unit 8. Video Project	E	Philip Chivers	Online		
10	World English: Unit 9. Video Project	E	Philip Chivers	Online		
11	World English: Unit 9. Video Project Unit 6: Goals. Debate foundations Video Project: Topics	E	Philip Chivers	Online		
12	World English: Unit 11	E	Philip Chivers	Online		
13	Watch Videos	E	Philip Chivers	Online		
14	World English: Unit 12	E	Philip Chivers	Online		
15	Speaking Test	E	Philip Chivers	Online		
16	Final Exam	E	Philip Chivers	Online		

11. Other items of notification

1. Students are encouraged to review the class material in advance of the coming class.
2. Students are encouraged to engage in active participation in class discussions.

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Course Name	Course type (credit/hours)	교필(1/1)			Course code	J137
	Target students Division/major/grade	국어국문학과/1학년			Opening semester	2024 1ST SEMESTER
	Class time and classroom	화8.5(다105)(다105)			English Grade	A(100%English)
Reference to this course	Prerequisite courses					
	Related basic courses					
	Recommanded concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	장두영 (조교수/인문대학 국어국문학과)				
	Office Room Number	다산관 515호	Office phone Number	0312192811	e-mail	
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

2. Course Objectives

- 인문대학 교수와의 상호작용을 통해 인문대학에 대한 이해와 소속감을 높인다.
- 대학의 교육, 활동, 진로, 지원 등에 대해 이해하고, 필요한 경우 추가적 정보를 찾을 수 있다.
- 자기주도적으로 학습계획과 대학생활계획을 설계할 수 있다.

3. Class types and activities

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input checked="" type="checkbox"/> discussion and debate
<input type="checkbox"/> team project(presentation and case studies)	<input type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> e-class	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input type="checkbox"/> blended learning(combination of online and offline teaching)	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)
<input type="checkbox"/> TBL(Team Based Learning)	<input checked="" type="checkbox"/> others ()

7. Knowledge and ability required for taking this course

아주대학교 인문대학 사람들(동기, 선배, 교수)과 친해지고자 하는 열린 마음.

International Sports and Globalization

Course Name	Course type (credit/hours)	Elective course(3/3)		
	Course code	K055	Subject code	SLEZ421
	Target students Division/major/grade	Sports Leisure/Senior	Opening semester	2024 1ST SEMESTER
	Class time and classroom	Mon D(Yul528)Thu D(Yul528)	English Grade	A(100%English)
Reference to this course	Prerequisite courses			
	Related basic courses	Sociology of sports		
	Recommended concurrent courses	Studies on leisure and sports industry		
	Related advanced courses	Sport business administration, Sports & Media		

Instructor	Name (division)		Yi Hyunseo(Sports Leisure)			
	Office Room Number	울곡관 373-2	Office phone Number	1641	e-mail	jouyeon@ajou.ac.kr
	Office hours		Homepage address	yihyunseo@gmail.com		
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

<Course Description>

This course provides students with a global perspective about sport, including knowledge and information, across diverse cultural, economic, political, and global contexts.

Students are provided opportunities to examine the historical foundations of sport throughout the world from the earliest of times to the contemporary period.

Topics include the Olympic Movement and other sport mega-events; the effects of sport development in the aftermath of 19th and 20th century; the impacts of globalization on sport; and sport as a vehicle for globalization.

<Course Objectives(CO)>

Upon completion of the course students will be able to:

1. Critically examine the competing theories of globalization, in order to understand the necessary relationship between global processes and local sporting experience.
2. Understand sports' significance to the multi-faceted concept of globalization, and highlight the interrelated historical, cultural, economic, and political components.
3. Evaluate the heterogeneity/homogeneity of the historical global sport enterprise.
4. Identify the historical foundations of the modern sport enterprise.
5. Understand the role of the spectacle in shaping the historical and contemporary production of sport.

<Student Learning Outcomes>

The student will:

1. Describe the multi-faceted concept of globalization through readings, lectures, class discussion, exams, and/or assignments. (CO 1, 2, 3)
2. Explain the major landmarks and points of historical rupture that have shaped production of the global sport spectacle through readings, lectures, class discussion and/or assignments. (CO 3, 4, 5)
3. Analyze how historical, cultural, political and economic forces have influenced the management of international sport through readings, discussion, and assignments. (CO 2, 3, 4)
4. Analyze academic and mass media accounts of mega-events, such as the Olympic Games, and FIFA Men's & Women's World Cup. (CO 2, 3, 4, 5)
5. Examine how sport becomes a vehicle for corporate global expansion through readings, lectures, discussion, and assignments. (CO 1, 2, 3, 4, 5)

2. 교육목표와 교과목 학습성과

순번	교육목표와 성과관리	하위역량1	하위역량2	하위역량3
1		Ethical Reasoning	Empathy	Intercultural Awareness
2		Communication	Collaboration & Teamwork	Leadership
3		Leadership	An Integrative Point of View	Flexible Thinking

3. 교과목과 핵심역량 간 연계

대학 핵심역량	감수성	소통력	창의성	사고력	개방성
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Class types and activities

4.1 수업평가 문항선택

<input type="checkbox"/> 일반(기본)	<input type="checkbox"/> 강의식	<input type="checkbox"/> 대형강의(AFL)
<input type="checkbox"/> 학습자활동중심	<input type="checkbox"/> 실험	<input type="checkbox"/> 사이버강의
<input type="checkbox"/> 플립드러닝		

5. Support Systems in Use

<input checked="" type="checkbox"/> lecture	<input type="checkbox"/> 문제 풀이
<input type="checkbox"/> 글쓰기	<input checked="" type="checkbox"/> discussion and debate
<input type="checkbox"/> 발표	<input checked="" type="checkbox"/> team project(presentation and case studies)
<input type="checkbox"/> experiments(role-playing, etc)	<input type="checkbox"/> designing and production
<input type="checkbox"/> on-site learning(on-site training)	<input type="checkbox"/> 사전 학습
<input type="checkbox"/> others	

6. 수업방식/수업방법

<input checked="" type="checkbox"/> 대면수업	<input type="checkbox"/> 비대면수업
<input type="checkbox"/> 혼용수업(대면+비대면)	
수업방법	
<input checked="" type="checkbox"/> 이론	<input type="checkbox"/> 실험+실습
<input type="checkbox"/> 동영상강의100%	<input type="checkbox"/> 실시간화상강의
<input type="checkbox"/> 동영상+실시간	
<input type="checkbox"/> 대면+동영상	<input type="checkbox"/> 대면+실시간
<input type="checkbox"/> 대면+동영상+실시간	<input type="checkbox"/> 대면+실시간(강의실 스트리밍)

7. Teaching Tools

<input type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)	<input type="checkbox"/> TBL(Team Based Learning)
<input type="checkbox"/> UR(Undergraduate Research)	<input type="checkbox"/> FL(Flipped Learning)	<input type="checkbox"/> DSAL(Data Science Active Learning)
<input type="checkbox"/> others		

8. Knowledge and ability required for taking this course

<ul style="list-style-type: none"> - 스포츠에 관한 관심 - 보고서 글쓰기 역량 및 MSword나 한글 프로그램 사용 능력 - 발표자료(PPT) 제작 및 발표 기술
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9. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance	26	20%	Attendance
midterm exam			
final exam	1	35%	One Exam
quiz			
presentation			
discussion	4-5	15%	Written Assignments for group discussion
homework	2	30%	Written Assignments and presentation for your home countrys cases
etc			
study hours			

10. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Sub	국제기구와 교육 문화 노동 스포츠(유네스코 아태교육원 국제기구 총서 4)	최동주, 정우탁, 조현주 지음	오름	2015
Main	글로벌 스포츠 시스템: 인간의 확장	이원재 외	북마크	2017
Main	글로벌 시장과 경제	김예기	백산	2017
Main	Globalization and Sport	Richard Giulianotti & Roland Robertson	Blackwell	2007
Main	Globalizing Sport: How Organizations, Corporations, Media, and Politics are Changing Sports	Sage, G.H.	Routledge	2011

11. Class system and Class shedule

수업 내용의 체계는 크게 세 부문으로 나뉜다. 1) 스포츠사회학 분야의 기초 개념들 이해, 2) 거시적 수준에서 스포츠와 사회 제도 간의 관계, 3) 미시적 수준에서 스포츠와 스포츠에 참여하는 개인 간의 관계에 대한 이해로 나뉜다. 수업 진도 계획과 세부 강의 주제는 다음과 같다. 단, 잠정적이며 변경 및 조정 가능하다.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	강의소개, 스포츠'및 스포츠사회학' 개념 이해		Yi Hyunseo	강의/토론		
2	스포츠사회학의 지식생산과 주요 이론 소개		Yi Hyunseo	강의/토론		
3	스포츠의 역사(서양)		Yi Hyunseo	강의/토론		
4	스포츠의 역사(한국)		Yi Hyunseo	강의/토론		
5	스포츠에대한거시적접근:스포츠와 정치		Yi Hyunseo	강의/토론		
6	스포츠에대한거시적접근:스포츠와 경제		Yi Hyunseo	강의/토론	개인보고서 제출	
7	스포츠에대한거시적접근:스포츠와 미디어		Yi Hyunseo	강의/토론		
8	중간고사		Yi Hyunseo		중간시험기간 자율학습	
9	스포츠에 대한 거시적 접근: 스포츠와 교육		Yi Hyunseo	강의/토론	팀과제 초안 제출	
10	스포츠에대한미시적접근: 스포츠사회화 ? 스포츠 일탈		Yi Hyunseo	강의/토론		
11	스포츠에대한미시적접근: 스포츠사회화-스포츠와 몸		Yi Hyunseo	강의/토론	팀과제 중간점검	
12	스포츠에대한미시적접근: 스포츠사회화-남성성/여성성		Yi Hyunseo	강의/토론		
13	스포츠 참여와 삶의질 향상		Yi Hyunseo	강의/토론		
14	학생 발표 및 수업 총 정리		Yi Hyunseo	학생발표	팀과제 발표 및 발표자료 제출	
15	학생 발표 및 수업 총 정리		Yi Hyunseo	학생발표	팀과제 발표 및 발표자료 제출	
16	기말고사		Yi Hyunseo	시험	기말시험	

12. Other items of notification

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8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		50	4회 이상 결석 시 F / 지각4회=결석1회로 간주
midterm exam			
final exam			
quiz			
presentation			
discussion			
homework		50	지정된 주제로 글(에세이)을 한 편 작성하여 제출(10. 수업내용의 체계 및 진도계획을 참고)
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
	인문대학 홈페이지			

10. Class system and Class shedule

<ul style="list-style-type: none"> - 인문대 소개, 학사 정보 소개, 학술 정보 교육, 보고서 작성법 등에서 강의식 수업. - 대학이란 무엇인가, 인문학이란 무엇인가? 특강 진행. - 선배와의 만남, 인문대 유학생의 날, 교외 문화 활동 등에 학생이 적극적으로 참여. - 과제 1회: '나의 대학 생활(입학 후 한 학기를 보낸 소감)', '나의 인생 설계', '나의 자서전' 등에 관하여 글(에세이)을 작성, 분량은 본문 기준(제목, 소속, 학번, 성명, 참고문헌 등 제외)으로 1,500자 이상.
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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	오리엔테이션	K	장두영			
2	인문대 소개1	K	장두영			
3	인문대 소개2(인문대 학생회, 소학회)	K	장두영			
4	인문대 학사 소개	K	장두영			
5	대학이란 무엇인가, 인문학이란 무엇인가?	K	장두영			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
6	인문대 생활 안내	K	장두영			
7	선배와의 만남	K	장두영			
8	중간고사 기간	K	장두영			
9	심리상담	K	장두영			
10	인문대 유학생의 날	K	장두영			
11	교수님과의 대화	K	장두영			
12	교외 문화 활동	K	장두영			
13	보고서 작성법	K	장두영			
14	수업 발표법(PPT 작성)	K	장두영			
15	과제 발표, 종합 토론	K	장두영			
16	기말고사 기간	K	장두영			

11. Other items of notification

Algorithms

Course Name	Course type (credit/hours)	전필(3/3)			Course code	F095
	Target students Division/major/grade	소프트웨어학과/2학년			Opening semester	2024 1ST SEMESTER
	Class time and classroom	수D(팔309) 금D(팔309)(팔309)			English Grade	A(100%English)
Reference to this course	Prerequisite courses	Data structure				
	Related basic courses	Discrete mathematics				
	Recommmended concurrent courses					
	Related advanced courses	Advanced algorithms, advanced data structures				
Instructor	Name (title/division)		HAMANDAWANA PRINCE (조교수/소프트웨어융합대학 소프트웨어학과)			
	Office Room Number	Sanhak Office# 822	Office phone Number		e-mail	
	Office hours	Appointment via email		Homepage address	https://dbdc.ajou.ac.kr/home	
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

This subject will cover the theoretical analysis of given computing problems and equip students with the ability to design and implement efficient computer algorithms.

(1) Students will learn how to analyze algorithms that solve a problem. We will also understand the definition of asymptotic analysis accurately through simple representative algorithms, and learn and practice how to calculate it.

(2) Basic principles learned in discrete mathematics such as mathematical induction will be used. We will learn how to accurately understand the meaning of time complexity and analyze it theoretically.

(3) Students will further learn basic algorithm design approaches (divide and conquer, dynamic programming, greedy methods, backtracking and branch and bound) that can be applied to solve algorithmic problems, and learn the characteristics of each technique through several example problems.

(4) Furthermore, students will learn on how to determine the the theoretical lower bounds on the time complexity of any algorithm (known or unknown) that solves a given problem. This will help students to know whether it is theoretically possible to develop better algorithms than existing ones.

(5) Lastly, students will learn the polynomial time reduction of NP, and NP-complete problems covered in computational complexity theory.

2. Course Objectives

3. Class types and activities

The class type will be mostly lecture based with visual question and answer quizzes during classes. These random visual questions will give participation points and finally contribute to overall grade (See Method of evaluation Section).

All students should come to every class with a gadget (phone, laptop or tablet) and login to the following URL:

<https://www.classpoint.app?code=ALG0095>.

We are going to use the above Classpoint URL for an interactive classroom environment. Further details on how to login will be given in the first class.

After class assignments will also be given to students as form of continuous assessment and tracking student understanding of the concepts.

*Assignments consist of exercise problems on algorithm efficiency analysis, algorithm designs, and algorithm correctness. Students are supposed to invest considerable amount of time to understand course material and to solve assignment problems.

* The assignments are individual and theory-based.

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input checked="" type="checkbox"/> discussion and debate
<input type="checkbox"/> team project(presentation and case studies)	<input type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> e-class	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input type="checkbox"/> blended learning(combination of online and offline teaching)	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input checked="" type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)
<input type="checkbox"/> TBL(Team Based Learning)	<input type="checkbox"/> others

7. Knowledge and ability required for taking this course

Prerequisite knowledge: computer programming, discrete mathematics, data structures

Tools: C / C++ language, ability to read textbook written in English.

기초지식: 컴퓨터 프로그래밍, 이산수학, 자료구조

도구능력: C / C++ 언어, 영문 교재를 읽고 이해할 수 있는 능력

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	If you miss 8 classes you get an automatic F grade.
midterm exam	1	30	
final exam	1	30	
quiz		5	We are going to have many interactive in class visual activities using the provided Classpoint URL. So all students are required to participate. These interactive activities will contribute to 5% of the overall grade.
presentation			
discussion			
homework	8	25	Both theory and programming based assignments.
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Foundations of algorithms, 5th Edition	Richard Neapolitan	Jones & Bartlett	2015
Sub	Introduction to the Design and Analysis of Algorithms 3rd Edition	Anomy Levitin	Pearson	2011

10. Class system and Class shedule

1. We will kick start the course with basic concepts of algorithms, mathematical induction, sorting algorithms, and asymptotic analysis.
2. Next we proceed to algorithm design techniques such as divide-and-conquer, greedy approach, dynamic programming, backtracking and branch & bound.
3. We finish the course with NP-hard problems. Students will learn that there are problems that do not have efficient algorithms, and how to deal with such problems.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	lang uage	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction: Algorithm definitions and performance Analysis –Time Complexity and Space Complexity	E	HAMANDAWAN A PRINCE	이론강의	과제	
2	Solving Problems with Divide-and-Conquer algorithm design	E	HAMANDAWAN A PRINCE	이론강의	과제	
3	Solving Problems with Divide-and-Conquer algorithm design	E	HAMANDAWAN A PRINCE	이론강의	과제	
4	Solving Problems with Dynamic Programming algorithm design	E	HAMANDAWAN A PRINCE	이론강의	과제	
5	Solving Problems with Dynamic Programming algorithm design	E	HAMANDAWAN A PRINCE	이론강의	과제	
6	Solving Problems with Greedy Algorithm design	E	HAMANDAWAN A PRINCE	이론강의	과제	
7	Solving Problems with Greedy Algorithm design	E	HAMANDAWAN A PRINCE	이론강의	과제	
8	Midterm Exam	E	HAMANDAWAN A PRINCE		시험	
9	Solving Problems with Backtracking Algorithm Design	E	HAMANDAWAN A PRINCE	이론강의	과제	
10	Solving Problems with Backtracking Algorithm Design	E	HAMANDAWAN A PRINCE	이론강의	과제	

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
11	Solving Problems with Branch-and-Bound Algorithm Design	E	HAMANDAWAN A PRINCE	이론강의	과제	
12	Solving Problems with Branch-and-Bound Algorithm Design	E	HAMANDAWAN A PRINCE	이론강의	과제	
13	Lower Bounds of Sorting Problem by Comparison or Distribution	E	HAMANDAWAN A PRINCE	이론강의	과제	
14	Intractable Problems/NP-hard Problems	E	HAMANDAWAN A PRINCE	이론강의	과제	
15	Intractable Problems/NP-hard Problems	E	HAMANDAWAN A PRINCE	이론강의	과제	
16	Final Exam	E	HAMANDAWAN A PRINCE		시험	

11. Other items of notification

Analytical Chemistry

Course Name	Course type (credit/hours)	전필 (3/3)	Course code	G038
	Target students Division/major/grade	화학과 / 2학년	Opening semester	2024 1ST SEMESTER
	Class time and classroom	월D(성 131) 목D(성 131)(성 131)	English Grade	A(100%English)
Reference to this course	Prerequisite courses	화학1, 화학2, 일반화학실험1, 일반화학실험2		
	Related basic courses			
	Recommmended concurrent courses	분석화학실험		
	Related advanced courses	전기분석화학, 기기분석		

Instructor	Name (title/division)	유충열 (부교수/자연과학대학 화학과)			
	Office Room Number		Office phone Number		e-mail
	Office hours	메일을 통해 상담시간 협의		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail cyyoo@ajou.ac.kr

1. Introduction

Analytical Chemistry I is targeted at students pursuing higher education in the chemical sciences.

The goal of this course is for students to master applying concepts and solving problems in analytical chemistry, with an emphasis on the solution equilibria, acid-base, redox, complexation chemistry, and basic electrochemistry.

2. Course Objectives

- 교육목표

분석의 기본 원리와 여러가지 분석법을 배움으로써 연구자로서 필요한 화학 실험 및 분석에 대한 기본적인 이해와 동기를 부여하고 향후 과학도로서 올바른 실험 설계 및 수행을 가능하게 한다.

- 교과목 학습성과

실험 데이터의 신뢰도와 데이터에 포함된 오차와 오차의 전파를 이해한다.
 통계법의 활용과, 데이터 분석이 가능하다.
 화학반응 및 용액내의 평형을 이해한다.
 산-염기 화학, 산화-환원 및 전기화학 기초와 착화합물 화학을 이해한다.
 화학 평형을 이용하는 분석법인 중량분석법과 부피분석법의 원리를 이해한다.
 분광분석법 및 전기화학의 원리를 이해한다.

3. Class types and activities

- Powerpoint-based visual aid will be used
- Problem solving exercise by hand writing

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|--|---|
| <input type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

화학과 1학년 필수과목인 화학1과 화학2 수강을 필요로 함.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		0	
midterm exam	0	0	
final exam	0	0	
quiz			
presentation			
discussion			
homework			
etc		100%	출석 10점(1회 결석 시 1점씩 감점 (총 8회 결석 = F 학점 부여), 과제 10점, 중간고사1 25점, 중간고사2 25점, 기말고사 30점
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Exploring Chemical Analysis 5th ed.	Daniel C. Harris	Freeman	2012
Sub	최신분석화학 제5판 [Exploring Chemical Analysis 번역판]	여인형, 이범규, 이승호, 이인호 저자(글) · 박정학 번역	자유아카데미	2012

10. Class system and Class shedule

<p>기초 필수과목으로서 체계화된 수업 진행을 위해, 분석화학 교재 내 목차의 순서를 기본적으로 준수하되 중요한 부분을 보다 상세하게 다루며 불필요한 내용의 경우 생략한다.</p>
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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Orientation and general chemistry review	E	유충열	강의		
2	Chemical Measurements / Tools of the Trade	E	유충열	강의		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
3	Math Toolkit / Statistics / Quality Assurance and Calibration Methods	E	유충열	강의		
4	Good Titrations / Gravimetric and Combustion Analysis	E	유충열	강의		
5	Introducing Acids and Bases / Buffers	E	유충열	강의		
6	Acid-Base Titrations / midterm exam1	E	유충열	강의		
7	Polyprotic Acids and Bases	E	유충열	강의		
8	EDTA Titrations	E	유충열	강의		
9	Electrode Potentials / Electrode Measurements	E	유충열	강의		
10	Instrumental Methods in Electrochemistry / midterm exam 2	E	유충열	강의		
11	Let There Be Light / Spectrophotometry: Instruments and Applications	E	유충열	강의		
12	Atomic Spectroscopy / midterm exam2	E	유충열	강의		
13	Principles of Chromatography and Mass Spectrometry	E	유충열	강의		
14	Gas and Liquid Chromatography	K	유충열	강의		
15	Chromatographic Methods and Capillary Electrophoresis	K	유충열	강의		
16	Final exam	K	유충열			

11. Other items of notification

보다 나은 강의를 위한 개선 및 요구 사항등은 강의자의 메일로 부탁드립니다. 가능한 범위내에서 반영하겠습니다.

불필요한 사정에 의하여 강의 출석이 어려울 경우, 최소 하루 이전에 위의 메일을 통해 관련 증빙 서류를 함께 보내주시길 바랍니다.

(해당 경우엔 출석으로 인정해드리겠습니다.)

진학 및 진로 상담에 대한 문의 역시 위의 메일 주소를 통해 연락바랍니다.

Basic Korean1

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X221
	Target students Division/major/grade	/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	월B(을261) 목B(을261)(을261)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	None			
	Related basic courses				
	Recommmended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	김진후 (강사/대학 다산학부대학)			
	Office Room Number		Office phone Number		e-mail
	Office hours	before or after class hours by appointment		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

This class is for students who want to take a beginner course in Korean. In this class, we learn simple grammar expressions from Hangeul. After this semester, you will be able to say simple expressions in Korean that you use in your daily life.

2. Course Objectives

1. Students will be able to recognize basic words and expressions.
2. Students will be able to express their simple ideas using basic level of vocabulary and grammar in speaking and writing.
3. Students will be able to exchange information about familiar topics relating to themselves and their interests .
4. Students will be able to make discourse and communicate with classmates through class activities.
5. Students will be able to understand not only Korean culture but also other nations culture through social language experience during class.
6. By the end of the course, students are expected to be able to carry out basic level of communication skills and to broaden their understanding about Korean culture.

3. Class types and activities

For each lesson, learn new vocabulary, four grammar, and practice what you have learned through speaking, listening, reading and writing.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

None

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance	32	15	attendance: absent(-1), lateness(-0.5), Absent 8 times = F
midterm exam	1	30	mid-term exam
final exam	1	30	final exam
quiz	4	10	quiz: 4 times
presentation			
discussion			
homework	4	10	assignments: 4 times
etc	수시	5	Class participation
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	사랑해요 한국어(I Love Korean) 1(SB)	서울대학교 언어교육원	서울대학교 출판문화원	2019
Sub	사랑해요 한국어(I Love Korean) 1(WB)	서울대학교 언어교육원	서울대학교 출판문화원	2019
Ref.	에센스 이화 한국어 1A	이화여자대학교 언어교육	Epress	2017
Ref.	새 연세한국어 듣기와 읽기 1-1	연세대학교 한국어학당	연세대학교 대학출판문화원	2019
Ref.	새 연세한국어 말하기와 쓰기 1-1	연세대학교 한국어학당	연세대학교 대학출판문화원	2019

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	수업 소개: Orientation	E	김진후			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
2	1과. 한글 배우기 (1): Learning Hangeul (1)	E	김진후			
3	2과. 한글 배우기 (2), 인사: Learning Hangeul (2), Greetings	E	김진후			
4	1~2과 복습: Ch.1~2 Review	E	김진후			
5	3과. 소개: Introductions	E	김진후			
6	4과. 물건: Items and Objects	E	김진후			
7	3~4과 복습: Ch.3~4 Review	E	김진후			
8	중간시험: Midterm Exam	E	김진후			
9	5과. 음식과 주문: Food and Ordering	E	김진후			
10	6과. 일상생활: Daily Life	E	김진후			
11	7과. 쇼핑: Shopping	E	김진후			
12	5~7과 복습: Ch.5~7 Review	E	김진후			
13	8과. 시간과 날짜: Time and Date	E	김진후			
14	9과. 날씨와 생활: Weather and Life	E	김진후			
15	8~9과 복습: Ch.8~9 Review	E	김진후			
16	기말시험: Final Exam	E	김진후			

11. Other items of notification

1. ****You only need to prepare the main textbook.**** Please refer to the reference materials when you do self-study. You dont have to buy the subtextbook(Workbook).
2. May 6th and June 6th are holidays and there are no classes. (So one makeup class will be available on video.)
3. The midterm exam is April 25, and the final exam is June 20. The date is subject to change, and I will make sure to announce it in the first week.

Basic Korean1

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X222
	Target students Division/major/grade	/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	월D(성236) 목D(성236)(성236)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	None			
	Related basic courses				
	Recommmended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	김진후 (강사/대학 다산학부대학)			
	Office Room Number		Office phone Number		e-mail
	Office hours	before or after class hours by appointment		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

This class is for students who want to take a beginner course in Korean. In this class, we learn simple grammar expressions from Hangeul. After this semester, you will be able to say simple expressions in Korean that you use in your daily life.

2. Course Objectives

1. Students will be able to recognize basic words and expressions.
2. Students will be able to express their simple ideas using basic level of vocabulary and grammar in speaking and writing.
3. Students will be able to exchange information about familiar topics relating to themselves and their interests .
4. Students will be able to make discourse and communicate with classmates through class activities.
5. Students will be able to understand not only Korean culture but also other nations culture through social language experience during class.
6. By the end of the course, students are expected to be able to carry out basic level of communication skills and to broaden their understanding about Korean culture.

3. Class types and activities

For each lesson, learn new vocabulary, four grammar, and practice what you have learned through speaking, listening, reading and writing.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

None

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance	32	15	attendance: absent(-1), lateness(-0.5), Absent 8 times = F
midterm exam	1	30	mid-term exam
final exam	1	30	final exam
quiz	4	10	quiz: 4 times
presentation			
discussion			
homework	4	10	assignments: 4 times
etc	수시	5	Class participation
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	사랑해요 한국어(I Love Korean) 1(SB)	서울대학교 언어교육원	서울대학교 출판문화원	2019
Sub	사랑해요 한국어(I Love Korean) 1(WB)	서울대학교 언어교육원	서울대학교 출판문화원	2019
Ref.	에센스 이화 한국어 1A	이화여자대학교 언어교육	Epress	2017
Ref.	새 연세한국어 듣기와 읽기 1-1	연세대학교 한국어학당	연세대학교 대학출판문화원	2019
Ref.	새 연세한국어 말하기와 쓰기 1-1	연세대학교 한국어학당	연세대학교 대학출판문화원	2019

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	수업 소개: Orientation	E	김진후			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
2	1과. 한글 배우기 (1): Learning Hangeul (1)	E	김진후			
3	2과. 한글 배우기 (2), 인사: Learning Hangeul (2), Greetings	E	김진후			
4	1~2과 복습: Ch.1~2 Review	E	김진후			
5	3과. 소개: Introductions	E	김진후			
6	4과. 물건: Items and Objects	E	김진후			
7	3~4과 복습: Ch.3~4 Review	E	김진후			
8	중간시험: Midterm Exam	E	김진후			
9	5과. 음식과 주문: Food and Ordering	E	김진후			
10	6과. 일상생활: Daily Life	E	김진후			
11	7과. 쇼핑: Shopping	E	김진후			
12	5~7과 복습: Ch.5~7 Review	E	김진후			
13	8과. 시간과 날짜: Time and Date	E	김진후			
14	9과. 날씨와 생활: Weather and Life	E	김진후			
15	8~9과 복습: Ch.8~9 Review	E	김진후			
16	기말시험: Final Exam	E	김진후			

11. Other items of notification

1. ****You only need to prepare the main textbook.**** Please refer to the reference materials when you do self-study. You dont have to buy the subtextbook(Workbook).
2. May 6th and June 6th are holidays and there are no classes. (So one makeup class will be available on video.)
3. The midterm exam is April 25, and the final exam is June 20. The date is subject to change, and I will make sure to announce it in the first week.

Basic Korean1

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X223
	Target students Division/major/grade	/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	월D(성235) 목D(성235)(성235)		English Grade	A(100%English)
Reference to this course	Prerequisite courses				
	Related basic courses				
	Recommended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	김은영(글로벌 교양학부)			
	Office Room Number		Office phone Number		e-mail
	Office hours	before or after class hours by appointment	Homepage address		
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

This course is designed for foreign students who have no or little background of learning Korean. This course consists of 2 parts. In the 1st part, for about 1/3 of the total class hours, this course will introduce Korean alphabets 'Hangeul' focusing on the phonetic value of each letter and characteristics of syllable structure. In the 2nd part, this course will focus on providing students with a foundation for acquiring their basic Korean language skills using grammar and vocabulary. Also, students will learn to improve their communication skills with familiar topics in daily life such as greetings, self-introduction, and daily activities etc. Students are also expected to raise their understandings to Korean culture through their language experience in class.

2. Course Objectives

3. Class types and activities

During the 1st session of learning Korean alphabets, students will be more engaged in simple activities to get familiar with the phonetic value of Korean alphabets. However, during the 2nd session after learning Korean alphabets, students are required to participate more actively in class activities and demonstrate their understanding in classroom.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input checked="" type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

None

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance	32	15	Attendance. 1 point reduction whenever 1 day absent. Students must attend 1/4 of total classes to receive an official grade.
midterm exam	1	25	Mid-term exam (Written Exam.)
final exam	1	25	Final exam (Oral Exam.)
quiz	2	10	Quiz (Dictation and writing)
presentation			
discussion			
homework	5~7	15	5~7 times tasks (Writing and voice recording)
etc		10	Class participation
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	고려대 한국어 1A & 1B	고려대학교 한국어센터	고려대학교 출판문화원	2022
Sub	교환 학생을 위한 기초 한국어	박수연, 김동숙 박진철	한글파크	2000
Ref.(web)	세종한국어 회화 1(English version). E-book also available/ 세종누리학당 http://www.sejonghakdang.org/opencourse/lecture/list.do	세종학당재단	세종학당재단	

10. Class system and Class shedule

-1st Session(1~6 week): Mastering Hangeul, Korean alphabets focusing on connecting the sound of each letter and its form. Reading and writing simple words and expressions.

-2nd Session(7~end): Learning and improving basic communication skills focusing on listening, speaking, reading, and writing.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Orientation	E	김은영			
2	Hangeul (1)	E	김은영			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
3	Hangeul (2)	E	김은영			
4	Hangeul (3)	E	김은영			
5	Review Hangeul	E	김은영			
6	Lesson 1. Greeting	E	김은영			
7	Lesson 2. Daily Life (1)	E	김은영			
8	Lesson 3. Daily Life (2)	E	김은영		Quiz-1(Written)	
9	Lesson 4. Places	E	김은영			
10	Mid-term exam	E	김은영		Written Exam.	
11	Lesson 5. Buying Things (1)	E	김은영			
12	Lesson 5. Buying Things (2)	E	김은영			
13	Lesson 6. Daily Schedule	E	김은영		Quiz-2(Written)	
14	Lesson 7. Life in Korea	E	김은영			
15	Speech exercise	E	김은영			
16	Final Exam	E	김은영		Oral exam.	

11. Other items of notification

Basic Korean1

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X224
	Target students Division/major/grade	/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	수D(성235) 금D(성235)(성235)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	None			
	Related basic courses				
	Recommmended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	김소현 (강사/대학 다산학부대학)			
	Office Room Number		Office phone Number		e-mail
	Office hours	before or after class hours by appointment		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

This class is for students who want to take a beginner course in Korean. In this class, we learn simple grammar expressions from Hangeul. After this semester, you will be able to say simple expressions in Korean that you use in your daily life.

2. Course Objectives

1. Students will be able to recognize basic words and expressions.
2. Students will be able to express their simple ideas using basic level of vocabulary and grammar in speaking and writing.
3. Students will be able to exchange information about familiar topics relating to themselves and their interests .
4. Students will be able to make discourse and communicate with classmates through class activities.
5. Students will be able to understand not only Korean culture but also other nations culture through social language experience during class.
6. By the end of the course, students are expected to be able to carry out basic level of communication skills and to broaden their understanding about Korean culture.

3. Class types and activities

For each lesson, learn new vocabulary, four grammar, and practice what you have learned through speaking, listening, reading and writing.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

None

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance	32	15	attendance: absent(-1), lateness(-0.5), Absent 8 times = F
midterm exam	1	30	mid-term exam
final exam	1	30	final exam
quiz			
presentation			
discussion			
homework	2	20	assignments: 4 times
etc	수시	5	Class participation
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	교환학생을 위한 한국어	한글파크	한글파크	2018
Sub	사랑해요 한국어(I Love Korean) 1(SB)	서울대학교 언어교육원	서울대학교 출판문화원	2019

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	수업 소개: Orientation, 1과. 한글 배우기 (1): Learning Hangeul (1)	E	김소현			
2	2과/3과. 한글 배우기 (2): Learning Hangeul	E	김소현			
3	4과. Greeting	E	김소현			
4	5과. Place	E	김소현			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
5	6과. Shopping	E	김소현			
6	7과. Food	E	김소현			
7	8과. Verbs1	E	김소현			
8	중간시험: Midterm Exam	E	김소현			
9	9과. Adjectives	E	김소현			
10	10과. Goods	E	김소현			
11	11과. Family	E	김소현			
12	12과. Transportation	E	김소현			
13	13과. Verbs2	E	김소현			
14	14과. Travel	E	김소현			
15	15과. Day of the week	E	김소현			
16	기말시험: Final Exam	E	김소현			

11. Other items of notification

1. ****You only need to prepare the main textbook.**** Please refer to the reference materials when you do self-study. You dont have to buy the subtextbook(Workbook).
2. May 6th and June 6th are holidays and there are no classes. (So one makeup class will be available on video.)
3. The midterm exam is April 25, and the final exam is June 20. The date is subject to change, and I will make sure to announce it in the first week.

Basic Korean1

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X225
	Target students Division/major/grade	/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	수F(성233) 금F(성233)(성233)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	None			
	Related basic courses				
	Recommended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	김소현 (강사/대학 다산학부대학)			
	Office Room Number		Office phone Number		e-mail
	Office hours	before or after class hours by appointment		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

This class is for students who want to take a beginner course in Korean. In this class, we learn simple grammar expressions from Hangeul. After this semester, you will be able to say simple expressions in Korean that you use in your daily life.

2. Course Objectives

1. Students will be able to recognize basic words and expressions.
2. Students will be able to express their simple ideas using basic level of vocabulary and grammar in speaking and writing.
3. Students will be able to exchange information about familiar topics relating to themselves and their interests .
4. Students will be able to make discourse and communicate with classmates through class activities.
5. Students will be able to understand not only Korean culture but also other nations culture through social language experience during class.
6. By the end of the course, students are expected to be able to carry out basic level of communication skills and to broaden their understanding about Korean culture.

3. Class types and activities

For each lesson, learn new vocabulary, four grammar, and practice what you have learned through speaking, listening, reading and writing.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

None

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance	32	15	attendance: absent(-1), lateness(-0.5), Absent 8 times = F
midterm exam	1	30	mid-term exam
final exam	1	30	final exam
quiz			
presentation			
discussion			
homework	2	20	assignments: 4 times
etc	수시	5	Class participation
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	교환학생을 위한 한국어	한글파크	한글파크	2018
Sub	사랑해요 한국어(I Love Korean) 1(SB)	서울대학교 언어교육원	서울대학교 출판문화원	2019

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	수업 소개: Orientation, 1과. 한글 배우기 (1): Learning Hangeul (1)	E	김소현			
2	2과/3과. 한글 배우기 (2): Learning Hangeul	E	김소현			
3	4과. Greeting	E	김소현			
4	5과. Place	E	김소현			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
5	6과. Shopping	E	김소현			
6	7과. Food	E	김소현			
7	8과. Verbs1	E	김소현			
8	중간시험: Midterm Exam	E	김소현			
9	9과. Adjectives	E	김소현			
10	10과. Goods	E	김소현			
11	11과. Family	E	김소현			
12	12과. Transportation	E	김소현			
13	13과. Verbs2	E	김소현			
14	14과. Travel	E	김소현			
15	15과. Day of the week	E	김소현			
16	기말시험: Final Exam	E	김소현			

11. Other items of notification

1. ****You only need to prepare the main textbook.**** Please refer to the reference materials when you do self-study. You dont have to buy the subtextbook(Workbook).
2. May 6th and June 6th are holidays and there are no classes. (So one makeup class will be available on video.)
3. The midterm exam is April 25, and the final exam is June 20. The date is subject to change, and I will make sure to announce it in the first week.

Basic Korean2

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X219
	Target students Division/major/grade	/		Opening semester	2024 1ST SEMESTER
	Class time and classroom	화B(성233) 목A(성233)(성233)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	한국어1			
	Related basic courses				
	Recommended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	오현주 (강사/대학 다산학부대학)			
	Office Room Number		Office phone Number		e-mail
	Office hours	수업 전, 후		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

2. Course Objectives

1. 한국어의 주요 문법인 형용사, 시제, 부정문, 최상급 등을 체계적으로 연습하여 한국어능력을 향상시킨다.
2. 한국 음식, 여행, 물건 사기 등 일상 생활의 의사소통에 관한 기본 어휘를 학습한다.
3. '듣기'와 '읽기' 훈련을 통하여 한국어를 이해 영역과 '말하기'와 '쓰기' 훈련을 통하여 한국어의 표현 능력을 향상시킨다.
4. 일상 생활에서 일어날 수 있는 한국 문화를 학습의 주제와 관련하여 이해한다.

3. Class types and activities

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input type="checkbox"/> discussion and debate
<input type="checkbox"/> team project(presentation and case studies)	<input checked="" type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> e-class	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input type="checkbox"/> blended learning(combination of online and offline teaching)	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)
<input type="checkbox"/> TBL(Team Based Learning)	<input type="checkbox"/> others

7. Knowledge and ability required for taking this course

한국어1을 수강했거나, 한글의 자음과 모음을 습득하고 기초적인 의사소통이 가능한 한국어 초급자를 위한 수업이다.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		20%	
midterm exam	1회	25%	
final exam	1회	25%	
quiz	1회	10	
presentation	1회	20%	
discussion			
homework			
etc			
study hours	매일 30분씩 주당 3시간 이상		

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	New Easy Korean 1B	New Easy Academy	한글파크	2021

10. Class system and Class shedule

수업은 그날 배운 내용은 모두 습득하도록 하고, 과제물을 통하여 충분히 연습한다. 그리고 다음 시간에 반드시 복습을 통하여 확인한다.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	수업소개	K	오현주	대면		
2	기초 문법 복습	K	오현주	대면		
3	1과 총무로역에 내려서 3호선으로 갈아타요.	K	오현주	대면		
4	2과 스키를 탈 수 있어요. 하지만 잘못 타요.	K	오현주	대면		
5	3과 비싸서 하나만 샀어요.	K	오현주	대면		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
6	4과 혼자 텔레비전 보고 있어요.	K	오현주	대면		
7	복습	K	오현주	대면		
8	중간고사	K	오현주	대면		
9	5과 매우니까 냉면 시키지 말고 다른 거 시키세요.	K	오현주	대면		
10	6과 12시나 1시쯤 만날까요?, 퀴즈	K	오현주	대면		
11	발표 1	K	오현주	대면		
12	발표 2	K	오현주	대면		
13	7과 제가 내일 가져다줄게요	K	오현주	대면		
14	8과 어머니 생신 선물을 사셨어요?	K	오현주	대면		
15	복습	K	오현주	대면		
16	기말고사	K	오현주	대면		

11. Other items of notification

주별 강의 내용 및 일정 등은 다소 변동이 있을 수 있습니다.

Basic Korean2

Course Name	Course type (credit/hours)	교선(3/3)		Course code	X220
	Target students Division/major/grade	/		Opening semester	2024 1ST SEMESTER
	Class time and classroom	화D(성235) 목C(성235)(성235)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	한국어1			
	Related basic courses				
	Recommanded concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	오현주 (강사/대학 다산학부대학)			
	Office Room Number		Office phone Number		e-mail
	Office hours	수업 전, 후		Homepage address	
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

2. Course Objectives

1. 한국어의 주요 문법인 형용사, 시제, 부정문, 최상급 등을 체계적으로 연습하여 한국어능력을 향상시킨다.
2. 한국 음식, 여행, 물건 사기 등 일상 생활의 의사소통에 관한 기본 어휘를 학습한다.
3. ''듣기''와 ''읽기'' 훈련을 통하여 한국어를 이해 영역과 ''말하기''와 ''쓰기'' 훈련을 통하여 한국어의 표현 능력을 향상시킨다.
4. 일상 생활에서 일어날 수 있는 한국 문화를 학습의 주제와 관련하여 이해한다.

3. Class types and activities

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input type="checkbox"/> discussion and debate
<input type="checkbox"/> team project(presentation and case studies)	<input checked="" type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> e-class	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input type="checkbox"/> blended learning(combination of online and offline teaching)	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)
<input type="checkbox"/> TBL(Team Based Learning)	<input checked="" type="checkbox"/> others ()

7. Knowledge and ability required for taking this course

한국어1을 수강했거나, 한글의 자음과 모음을 습득하고 기초적인 의사소통이 가능한 한국어 초급자를 위한 수업이다.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		20%	
midterm exam	1회	25%	
final exam	1회	25%	
quiz	1회	10	
presentation	1회	20%	
discussion			
homework			
etc			
study hours	매일 30분씩 주당 3시간 이상		

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	New Easy Korean 1B	New Easy Academy	한글파크	2021

10. Class system and Class shedule

수업은 그날 배운 내용은 모두 습득하도록 하고, 과제물을 통하여 충분히 연습한다. 그리고 다음 시간에 반드시 복습을 통하여 확인한다.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	수업소개	K	오현주	대면		
2	기초 문법 복습	K	오현주	대면		
3	1과 총무로역에 내려서 3호선으로 갈아타요.	K	오현주	대면		
4	2과 스키를 탈 수 있어요. 하지만 잘못 타요.	K	오현주	대면		
5	3과 비싸서 하나만 샀어요.	K	오현주	대면		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
6	4과 혼자 텔레비전 보고 있어요.	K	오현주	대면		
7	복습	K	오현주	대면		
8	중간고사	K	오현주	대면		
9	5과 매우니까 냉면 시키지 말고 다른 거 시키세요.	K	오현주	대면		
10	6과 12시나 1시쯤 만날까요?, 퀴즈	K	오현주	대면		
11	발표 1	K	오현주	대면		
12	발표 2	K	오현주	대면		
13	7과 제가 내일 가져다줄게요	K	오현주	대면		
14	8과 어머니 생신 선물을 사셨어요?	K	오현주	대면		
15	복습	K	오현주	대면		
16	기말고사	K	오현주	대면		

11. Other items of notification

주별 강의 내용 및 일정 등은 다소 변동이 있을 수 있습니다.

Behavioral Management: Interdisciplinary Perspective

Course Name	Course type (credit/hours)	전선(3/3)			Course code	1129
	Target students Division/major/grade	경영학과/2학년 이상			Opening semester	2024 1ST SEMESTER
	Class time and classroom	화F(다311) 목E(다311)(다311)			English Grade	A(100%English)
Reference to this course	Prerequisite courses	3, 4학년 모든 전공학생 (2 학년의 경우 교수자와 사전 논의 필수)				
	Related basic courses	조직행위론, 산업(조직)심리학, 사회심리학, 또는 동일한 수준과 내용의 유사과목 (강사와 논의 필요)				
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	김도영 (교수/경영대학 경영학과)				
	Office Room Number	다522	Office phone Number	2914	e-mail	
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

This course emphasizes and adopts a Student-Centered Learning Process (SCLP), which focuses on critical thinking, the pursuit of excellence (high standard), and the creative adaptability development process through perseverance. Accordingly, the course emphasizes the flexibility of taking students' interests and learning goals as well as one's attributes into consideration for designing a course curriculum.

Students are expected to successfully go through two parts of the course to achieve the learning goals,

[Part 1] "Micro perspective in organizational behavior" looks at human behaviors in diverse contexts and domains, mostly dealing with critical and timely social and organizational issues that require systematic and scientific approaches of understanding individual and group actions in society, company, organization, and another relevant context. This course discusses traditional as well as cutting-edge topics that encompass motivation, decision making, leadership, and issues born out of the interaction between human and machine, especially the 4th industrial revolution, with multifaceted and interdisciplinary perspectives, e.g., business, psychology, economics, political sciences, and engineering in the context of student's individual question that has never been explored (i.e., no existing solution yet or new solution beyond what's available).

For this, the students are encouraged to synthesize theoretical, qualitative, and experiential approaches to the creative process as studied through Part 1 (e.g., Individual' Pose Question'). Students enter the creative process as a means to develop innovative and critical self-expression through (a) developing/posing own question(s) and (b) finding and supporting of own question(s) raised, with scientific and practical shreds of evidence from papers/articles. The nature and drive of research endeavors are explored through studies of the lives of significant thinkers and researchers who can become successful human resources in the era of the 4th industrial revolution. Students will engage in activities and projects that will enable them to access and develop their creative thinking and adaptive skills in concert with ongoing, collective works with peers and mentorship by the course instructor as a coach.

[Part 2] Elaborately, Part 2 in the course emphasizes the importance of creative adaptability competency, i.e., the ability being developed in the learning process of connecting the scientific and practical research findings with a team-developed/-selected question posed, and applying the various academic concepts and theories, etc. learned in the course to the problem (or subject) of interest that the Creative Adapter Team (CAT) has decided to explore and come up with a potential solution(s) to the posed question through a comprehensive and in-depth creative solution making process, one that an answer is not apparent and even not existing. Instead, the CATs develop their own solution through learning activities that are expected to

2. Course Objectives

Educational Mission and Goals of the Course

?Critical thinking,
?The pursuit of excellence (high standard),
?Creative adaptability
?Mutual support among teams and individuals (NO competition!)
?High accountability,
development process through perseverance.

(1) Learning as a creative and critical thinking development process

Each student is expected to review and understand the topical issues addressed in the scientific literature chosen for the project. An article evaluation form is provided to use while critically examining and evaluating the article.

(2) Learning through the pursuit of excellence (high standard) development process

Each student is expected to determine (a) how to pose a question with own curiosity (ideally within the scope of the topic of one's interest) that genuinely challenges and is of ample interest to the student and (b) how to develop and come up with solutions for the question with the support of the literature, articles, and other credible resources.

(3) Learning as a creative adaptability development process

Overall, the student will develop the competency of logically and critically developing the outcome(s) by investigating the question of interest and its solution(s).

(4) Mutual support among teams and individuals (NO COMPETITION, but GROUP INTELLIGENCE!)

As the most critical competencies expected from human resources in the 4th industrial revolution, sharing, supporting, and mutually helping one another through teamwork and empathy needs to be facilitated.

(5) High accountability with becoming a solution maker and creative adapter

As a responsible future leader, each student is expected to feel and abide by the accountability even if this class creates and provides a horizontal and flexible learning environment and class culture (i.e., Student-Centered Learning Process, SCLP).

3. Class types and activities

[PART 1]

Part one has two major activities: (a) pose an individual question and support the ideas/curiosity/problem through articles and scientific findings. The critical component of the activity is that each student should find core issues and problems out of interest and understand their social and practical implications for society and organizations involving humans.

(1) 'POSE INDIVIDUAL QUESTION OF INTEREST(S)': is a learning process in which critical review and analysis of articles/findings to support why the question each student poses is important and timely to human, organization, and society, i.e., with vast implications.

Students are expected to thoroughly and critically review theoretical and empirical research articles relevant to the topics.

?Purpose of a critical review

The critical review is a task that asks you to summarize and evaluate contents. The critical review and analysis can be about a book, a chapter, or a journal article. Writing the critical review usually requires you to read the selected contents in detail and to read other related texts so that you can present a fair and reasonable evaluation of the selected resources such as academic journals and practical articles.

?What is meant by critical?

To be critical does not mean to criticize negatively. Instead, it requires you to question the information and opinions in a text and present your evaluation or judgment of the contents. To do this well, you should attempt to understand the topic from different perspectives with various theories, approaches, and frameworks.

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input checked="" type="checkbox"/> discussion and debate
<input checked="" type="checkbox"/> team project(presentation and case studies)	<input checked="" type="checkbox"/> experiments(role-playing,etc)
<input checked="" type="checkbox"/> designing and production	<input checked="" type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> e-class	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input checked="" type="checkbox"/> blended learning(combination of online and offline teaching)	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input checked="" type="checkbox"/> PBL(Problem Based Learning)	<input checked="" type="checkbox"/> CBL(Case Based Learning)
<input checked="" type="checkbox"/> TBL(Team Based Learning)	<input type="checkbox"/> others

7. Knowledge and ability required for taking this course

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8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam			
final exam			
quiz			
presentation		30	Class Participation: Audience (10%); Lead team (20%) = 30%

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
discussion		25	CAT Presentation: Part 1 ppt. (5%.); Part 2 ppt. (20%) = 25%
homework		20	(1) Abstract of My Curiosity: 5%; (2) Review of Weekly Business/Scientific Article/Paper: P/F 15% (+Bonus) = 15%
etc		25	Term Paper: 25%
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Reading Packet			

10. Class system and Class shedule

<p>(1) 강의 (2) 토론 (3) 발표 (4) 개인 창의적 적응력 Short Project</p>
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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Reading 1	E	김도영			
2	Discussion 1	E	김도영			
3	Reading 2	E	김도영			
4	Discussion 2	E	김도영			
5	Reading 3	E	김도영			
6	Discussion 3	E	김도영			
7	Reading 4	E	김도영			
8	Discussion 4	E	김도영			
9	Reading 5	E	김도영			
10	Discussion 5	E	김도영			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
11	Reading 6	E	김도영			
12	Discussion 6	E	김도영			
13	Reading 7	E	김도영			
14	Discussion 7	E	김도영			
15	Presentation 1	E	김도영			
16	Presentation 2	E	김도영			

11. Other items of notification

Business Statistics and Data Analysis

Course Name	Course type (credit/hours)	교필(3/3)			Course code	1074
	Target students Division/major/grade	경영학과/1학년			Opening semester	2024 1ST SEMESTER
	Class time and classroom	월B(다111) 목B(다111)(다111)			English Grade	A(100%English)
Reference to this course	Prerequisite courses					
	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	김진학 (조교수/경영대학 경영학과)				
	Office Room Number	다산관 319-2	Office phone Number	2723	e-mail	
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

Statistical concepts employed in the solution of managerial problems are discussed. Topics include descriptive statistics, frequency distributions, laws of probability, probability models, sampling distributions, statistical inference, regression and correlation analysis and introduction to multiple regression models and one-way analysis of variance.

2. Course Objectives

이 과목은 기업 경영 문제를 직접 해결하는 데 사용되는 기본적인 통계적 방법과 더욱 고급 분석 방법의 기반으로 사용되는 방법에 대한 소개이다. 이는 경영 전공 과정의 공통 지식 요구 사항 중 양적 방법 요구 사항을 충족시킵니다.

3. Class types and activities

The classes are structured with lectures, discussions, and exercises. The course topics are initially presented through lectures, supported by audiovisual materials when necessary, to enhance comprehension of the lecture content. In order to foster discovery-based learning, the traditional one-sided lecture format is minimized, and discussions are employed to extract the key concepts from the lectures. These discussions occur in both one-to-many formats between the professor and students, as well as in small-group settings among students. For topics involving calculations and computer usage, supplementary handouts are provided to aid students in understanding the content. Creating an environment where students feel comfortable asking questions and engaging in dialogue is one of the objectives, with the aim of maximizing their understanding of the course material. All course-related materials are distributed through Ajour Bb.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input checked="" type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

이 과목에 필요한 선수과목은 없다. 그러나 고등학교 수준의 대수와 미적분의 지식을 가정합니다. 또한 Microsoft Excel과 같은 스프레드시트 사용에 대한 기본 지식을 요구합니다.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam	1	30	
final exam	1	40	
quiz	15	30	
presentation			
discussion			
homework			
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Statistics for Management and Economics 11e	Gerald Keller	Cengage Learning	2018

10. Class system and Class shedule

통계적 분석의 핵심이 되는 가설 검정을 다루기 위해서는 그 근간이 되는 확률과 확률 분포에 대한 이해가 필수적이다. 따라서 이 과목의 전반부에는 이러한 이론적인 토대를 마련한다. 이를 바탕으로 이 과목의 후반부에서는 통계적 추론과 회귀분석 등 심도있게 다룬다.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction to Statistics, Descriptive Statistics, Plots	E	김진학	Lecture		
2	Basics of Excel, Probability Theory	E	김진학	Lecture		
3	Probability Theory	E	김진학	Lecture		
4	Random Variables, Probability Models	E	김진학	Lecture		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
5	Discrete and Continuous Distributions	E	김진학	Lecture		
6	Sampling Distributions, Simulation, Central Limit Theorem	E	김진학	Lecture		
7	Midterm Exam	E	김진학	Test		
8	Point and Interval Estimation	E	김진학	Lecture		
9	Statistical Inference: Single population	E	김진학	Lecture		
10	Statistical Inference: Two population, pairs samples, Chi-Square tests	E	김진학	Lecture		
11	Simple Regression and Correlation, Ordinary Least Squares, Sampling Variability	E	김진학	Lecture		
12	Multiple Regression	E	김진학	Lecture		
13	Multiple Regression Models, Dummy Variables, Analysis of Variance by Regression	E	김진학	Lecture		
14	Business Ethics	E	김진학	Lecture		
15	Review	E	김진학	Lecture		
16	Final Exam	E	김진학	Test		

11. Other items of notification

Business Statistics and Data Analysis

Course Name	Course type (credit/hours)	교필(3/3)		Course code	1076
	Target students Division/major/grade	경영학과/1학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	월D(다111) 목D(다111)(다111)		English Grade	A(100%English)
Reference to this course	Prerequisite courses				
	Related basic courses				
	Recommended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	황재연 (강사/경영대학 경영학과)			
	Office Room Number		Office phone Number		e-mail
	Office hours		Homepage address		
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail

1. Introduction

This is an introductory course in statistics for undergraduate students in business and economics. The course is designed to let students get familiar with basic statistical concepts and methods. The main subject in the course is statistical inference theory, which requires knowledge of basic probability theory. Students will learn some elements of probability theory, random variables, probability distributions, point estimation, confidence intervals, and hypothesis testing. In addition, basic theories on the classical regression will be discussed in the later part of the course. Microsoft Excel will be used for data handling and calculating test statistics.

2. Course Objectives

3. Class types and activities

Lecture will be provided to understand basic concepts of statistics. Homeworks using Microsoft Excel can be done in groups of 3-5 students together.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input checked="" type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

1. Highschool level of mathematics
2. Microsoft Excel

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		5	
midterm exam		30	
final exam		50	
quiz			
presentation			
discussion			
homework		15	
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Statistics for Management and Economics, 11th/12th ed.	Gerald Keller	Cengage	2018/2023
Ref.	켈러의 경영경제통계학	G. Keller지음, 이상규 옮김	한티에듀	2021

10. Class system and Class shedule

<ol style="list-style-type: none"> 1. Basic concepts: Descriptive statistics, inferential statistics, random experiment 2. Descriptive statistical techniques: graphical techniques and numerical techniques 3. Probability theory and proabability distributions 4. Sampling distributions 5. Inferentail statistics: estimations and testing hypothesis 6. Basic linear regression
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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	lang uage	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction: Random experiment, Microsoft Excel	K	황재연	lecture		
2	Descriptive Statistics: Graphical and numerical techniques, sampling methods	K	황재연	lecture		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
3	Probability: Random experiment, probability model, axioms of probability, conditional probability, Stochastic independence, Bayes Law	K	황재연	lecture		
4	Random variable and Probability distributions: Discrete random variables and probability distributions	K	황재연	lecture		
5	Continuous random variables and probability distributions	K	황재연	lecture		
6	Sampling distributions of the mean, a proportion, and the difference between two means	K	황재연	lecture		
7	Sampling distributions and Review	K	황재연	lecture		
8	Midterm	K	황재연	midterm test		
9	Properties of estimators: unbiasedness, efficiency, consistency	K	황재연	lecture		
10	Point estimators and confidence interval estimators	K	황재연	lecture		
11	Introduction to hypothesis testing: Type I and type II errors, P-value	K	황재연	lecture		
12	Testing hypothesis: one-tailed and two-tailed tests	K	황재연	lecture		
13	Inference about comparing two populations: Inference about the difference between two means, inference about the ratio of two variances,	K	황재연	lecture		
14	Simple regression: assessing the model, using the regression equation	K	황재연	lecture		
15	Simple regression and Review	K	황재연	lecture		
16	Final exam	K	황재연	final test		

11. Other items of notification

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Computer Graphics

Course Name	Course type (credit/hours)	전선(3/3)		Course code	F068
	Target students Division/major/grade	소프트웨어학과/3,4학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	화C(팔1025) 금C(팔1025)(팔1025)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	Data Structure			
	Related basic courses	Linear Algebra			
	Recommmended concurrent courses				
	Related advanced courses				
Instructor	Name (title/division)	유리 (조교수/소프트웨어융합대학 소프트웨어학과)			
	Office Room Number	Office phone Number	0312192436	e-mail	
	Office hours	Homepage address			
Teaching Assistant	Name (title/division)				
	Office Room Number	Office phone Number		e-mail	

1. Introduction

Computer Graphics (CG) is an engineering subject for generating pictorial information from numerical information.

Mathematics, Physics, and cognitive science are the basis of CG.

In this class, we cover the following stuffs:

- basic theories of computer graphics
- multimedia, color theory, geometric modeling
- character animation
- Graphics API (WebGL)

Assignments are about how to render a simple object based on WebGL.

At the end of the semester, team projects and result presentations will be held.

CG can be applied to various areas such as CAD, medical imaging, AR, VR, games, Animation and etc.

Ultimately, the main goal of this course is to learn how to produce images using graphics API.

2. Course Objectives

삼차원 컴퓨터 그래픽스의 기본 개념을 이해하고 이를 구현할 수 있는 능력을 기른다. 또한 그래픽스 라이브러리 중의 하나인 WebGL를 사용하여 삼차원 그래픽스를 기반으로 한 간단한 응용 프로그램을 구현할 수 있도록 한다.
Understanding basic theory of computer graphics, and practice to implement using graphics API.
Major API used in class is WebGL - Practice to render WebGL simple web application

3. Class types and activities

This course mainly covers the theory of computer graphics based on lecture notes.
Through programming assignments, students develop their own programs.

4. Teaching Method

- | | |
|---|---|
| <input checked="" type="checkbox"/> lecture | <input type="checkbox"/> discussion and debate |
| <input checked="" type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input checked="" type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input checked="" type="checkbox"/> others (git.ajou.ac.kr - all projects and homework should be | |

6. Teaching Tools

- | | |
|--|---|
| <input type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input checked="" type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

Pre-requisites: Data Structure, Linear Algebra + Programming Skills

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	Attendance
midterm exam		25	Mid-term exam
final exam		25	Final exam
quiz			
presentation			
discussion			
homework		20	Assignments
etc		20	Team project
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Interactive Computer Graphics A Top-Down Approach with WebGL : Global Edition	Edward Angel	Pearson	2015
Ref.	OpenGL ES Programming Guide	Ginsberg	Addison Wesley	2015
Ref.	WebGL Tutorial in moca (ose.ajou.ac.kr)	이환용		2021
Ref.	Three.js Tutorial in moca (ose.ajou.ac.kr)	이환용		2022
Ref.	https://www.youtube.com/@ajousoftware214 8 SW Tooltime Three.js 강의 영상	이환용		2022

10. Class system and Class shedule

1. Introduction to computer graphics 2. Basic theory of 2D, 3D Graphics 3. Advanced theory of 3D Graphics and Animation

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	lang uage	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction to computer graphics (+ mathematics for computer graphics)	E	유리			
2	graphics programming	E	유리			
3	graphics primitives	E	유리			
4	geometric transforms	E	유리			
5	geometric transforms	E	유리			
6	viewing (graphics pipeline)	E	유리			
7	viewing (graphics pipeline)	E	유리			
8	midterm exam	E	유리		Exam	
9	Illumination and shading	E	유리			
10	Illumination and shading	E	유리			
11	texture mapping	E	유리			
12	shadows	E	유리			
13	global illumination	E	유리			
14	antialiasing	E	유리			
15	curves and surfaces	E	유리		Final Project	
16	final exam	E	유리		Exam	

11. Other items of notification

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Computer Networks

Course Name	Course type (credit/hours)	전필 (3/3)		Course code	F067
	Target students Division/major/grade	소프트웨어학과/3학년		Opening semester	2024 1ST SEMESTER
	Class time and classroom	화B(팔325) 목A(팔325)(팔325)		English Grade	A(100%English)
Reference to this course	Prerequisite courses	No pre-requisite subject			
	Related basic courses	Special topics in computer communication			
	Recommended concurrent courses	Future Internet Networking			
	Related advanced courses	Advanced Computer Networking			
Instructor	Name (title/division)	Ali Jehad. Assistant Professor. AI Convergence Networks			
	Office Room Number	1012 pal dalhall	Office phone Number		e-mail
	Office hours	Monday to Friday		Homepage address	https://sites.google.com/view/jehad-ali/home
Teaching Assistant	Name (title/division)				
	Office Room Number		Office phone Number		e-mail jehadali@ajou.ac.kr

1. Introduction

Understanding the basics of computer networking and the Internet. Moreover, students will be able to understand the components of the Internet protocol suite. In addition, a comprehensive understanding of the layers on the internet and IP addresses understanding and subnetting. You will be able to understand DNS and its types. Identify the problems that arise in network communication. Explain the advantages and disadvantages of existing solutions. Evaluate the novel approaches to these problems. Understand the implications of a given solution for performance in various networking environments. Finally, you will also be able to understand various acronyms related to computer networks and communication.

2. Course Objectives

3. Class types and activities

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input checked="" type="checkbox"/> discussion and debate
<input checked="" type="checkbox"/> team project(presentation and case studies)	<input type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> e-class	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input type="checkbox"/> cyber lecture	<input type="checkbox"/> blended learning(combination of online and offline teaching)	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input checked="" type="checkbox"/> PBL(Problem Based Learning)	<input checked="" type="checkbox"/> CBL(Case Based Learning)
<input checked="" type="checkbox"/> TBL(Team Based Learning)	<input type="checkbox"/> others

7. Knowledge and ability required for taking this course

This will be a basic course of computer networks. Hence, students don't need any basic knowledge.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	
midterm exam		20	
final exam		20	
quiz		10	
presentation		30	
discussion			
homework		10	
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Ref.	Data communication and Networking	Behrouz A. Forouzan	McGraw Hill	2012

10. Class system and Class shedule

<p>The course will be started from the fundamentals of the computer networks. Then, more details will be provided regarding the layering concepts and functionality of the Internet Models. Moreover, details will be provided on each layer of the OSI and TCP/IP Model. In addition, students will get a comprehensive understanding of the IP addressing and subnetting. Similarly, the students will be given a comprehensive lectures ont he distributed and centralized network management. Students will assesed through assignments quizzes and exams.</p>
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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	lang uage	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction	E	ALI JEHAD	Lecture presentation		
2	Internet, Types and Topologies	E	ALI JEHAD	Lecture presentation		
3	Network Performance EvaluationTechniques	E	ALI JEHAD	Lecture presentation		
4	Layers and OSI Model Concepts	E	ALI JEHAD	Lecture presentation		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
5	Presentation, Session, ApplicationLayers	E	ALI JEHAD	Lecture presentation		
6	DNS and its types	E	ALI JEHAD	Lecture presentation		
7	Transport Layer	E	ALI JEHAD	Lecture presentation		
8	Examination	E	ALI JEHAD	Examination		
9	Transport Layer and TCP connectionmanagement	E	ALI JEHAD	Lecture presentation		
10	Network layer functions	E	ALI JEHAD	Lecture presentation		
11	Routing protocols distance vectorvs link state routing	E	ALI JEHAD	Lecture presentation		
12	IP addresses and Subnetting	E	ALI JEHAD	Lecture presentation		
13	Public vs Private IP addressesand Network Address Translation	E	ALI JEHAD	Lecture presentation		
14	Data plane and control planes,Introdction of software definednetworks	E	ALI JEHAD	Lecture presentation		
15	Distributed Vs centralizedNetwork Managment, Protocolsand Control plane	E	ALI JEHAD	Lecture presentation		
16	Examination	E	ALI JEHAD	Examination		

11. Other items of notification

Computer Organization and Architecture

Course Name	Course type (credit/hours)	전필(3/3)	Course code	F070
	Target students Division/major/grade	소프트웨어학과/2학년	Opening semester	2024 1ST SEMESTER
	Class time and classroom	화B(팔409) 목A(팔409)(팔409)	English Grade	A(100%English)
Reference to this course	Prerequisite courses	Basic Computer Programming		
	Related basic courses			
	Recommended concurrent courses			
	Related advanced courses			

Instructor	Name (title/division)		Yared		
	Office Room Number		Office phone Number		e-mail
	Office hours		Homepage address		
Teaching Assistant	Name (title/division)				
	Office Room Number	#824, Ind.Univ.Bldg.	Office phone Number		e-mail yaredzer ihun@ajou.ac.kr

1. Introduction

This course introduces students to the field of computer organization and architecture. The primary goal is to understand how the components of modern computers are built from the digital basics, understand the organization thereof, and cover techniques for data representation and manipulation.

We will learn

- > the principles underlying how hardware interprets programs written in high level languages. We will learn the RISC instruction set interface, which is between computer hardware and software.
- > a variety of architecture and organization-based techniques, including pipelining, caching, etc

2. Course Objectives

컴퓨터 시스템의 기본 동작 원리를 이해한다. 고급언어로 작성된 응용 프로그램(소프트웨어)이 어떻게 프로세서(하드웨어)에서 동작하는지 이 둘 사이의 인터페이스가 어떻게 설계되었는지를 익히는 것이 가장 큰 목표이다.

- 교육용 명령어 집합 구조 (Instruction Set Architecture)에 대해서 이해를 하고, 이 것이 어떻게 수행되는지를 이해한다.

다음 프로세서의 성능 향상을 높이기 위해서 어떠한 기법들이 있는지를 공부하고, 응용 프로그램을 어떻게 작성하느냐에 따라서 성능이 달라질 수 있는지를 예제를 통해 공부한다.

- 파이프라이닝 기법을 통해서 명령어들을 어떻게 효과적으로 처리 할 수 있는지 이해한다.
- 캐시 구조를 통해서 어떻게 메모리로 접근하는데 소비되는 시간을 절약할 수 있는지 이해한다.

3. Class types and activities

Class is primarily lectures based. Examples are introduced to help students understand the subject matter. Active participation is encouraged.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input checked="" type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input checked="" type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|--|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input checked="" type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

Basic computer programming

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		5~10%	
midterm exam	1	30~35%	
final exam	1	35~40%	
quiz			
presentation			
discussion			
homework		20~30%	
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Computer Organization and Design RISC-V: TheHardware / Software Interface (2nd edition)	Davide Patterson and John L. Hennessy	Morgan Kaufmann Pub.	
Ref.	기타 필요한 자료는 과목 페이지에 업로드			

10. Class system and Class shedule

<p>Lectures</p> <ul style="list-style-type: none"> - Composed of weekly class plans. -Q and As during class time <p>2. Instruction Set Architecture</p> <ul style="list-style-type: none"> - - RISC
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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Course Overview	E	Yared Zerihun Bekele			
2	Overview of a Digital System	E	Yared Zerihun Bekele			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
3	Combinational logic	E	Yared Zerihun Bekele			
4	ISA	E	Yared Zerihun Bekele			
5	RISC ISA	E	Yared Zerihun Bekele			
6	Integer Arithmetic	E	Yared Zerihun Bekele			
7	Floating point arithmetic	E	Yared Zerihun Bekele			
8	Midterm	E	Yared Zerihun Bekele			
9	Performance	E	Yared Zerihun Bekele			
10	Processor I	E	Yared Zerihun Bekele			
11	Processor II	E	Yared Zerihun Bekele			
12	Pipelining	E	Yared Zerihun Bekele			
13	Parallel processing	E	Yared Zerihun Bekele			
14	Memory Organization	E	Yared Zerihun Bekele			
15	Memory Organization/Assembly language	E	Yared Zerihun Bekele			
16	Final term	E	Yared Zerihun Bekele			

11. Other items of notification

Computer Programming and Practice

Course Name	Course type (credit/hours)	전필(4/5)			Course code	F063
	Target students Division/major/grade	소프트웨어학과/1학년			Opening semester	2024 1ST SEMESTER
	Class time and classroom	월09:00~10:30 (팔409) 수09:00~10:30 (팔409) 금6(팔318) 금7(팔318)(팔409, 팔318)			English Grade	A(100%English)
Reference to this course	Prerequisite courses					
	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	Yared				
	Office Room Number		Office phone Number		e-mail	
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number	#824, Ind.Univ.Bldg.	Office phone Number		e-mail	yaredzer ihun@ajou.ac.kr

1. Introduction

This course introduces students to the fundamentals of computer programming. The contents include software life cycle, techniques for program design and development, data structures, and the constructs of C programming language.

Upon the completion of this course, students will be able to:

- Understand SDLC and the concept of programming
- Have an understanding of algorithms
- Understand the syntax and semantics of constructs of the C language.
- Write whole programs by dividing large problems into smaller parts

2. Course Objectives

<교육목표>

학생들로 하여금 작은 규모의 문제를 분석하여 필요한 요구사항을 도출하고, 이를 바탕으로 설계/구현할 수 있는 능력을 갖추게 한다.

<교과목 학습성과>

1. C 언어의 문법적 구조 및 의미를 이해한다.
2. 주어진 문제의 요구 사항을 분석하여 정리할 수 있다.
3. 주어진 문제를 해결하기 위한 논리적 흐름을 기술할 수 있다.
4. 주어진 의사 코드를 이용해 프로그램을 구현할 수 있다.
5. 주어진 프로그램을 의사 코드로 표현할 수 있다.
6. 다른 사람이 작성한 C 프로그램 코드를 분석하고, 이해할 수 있다.
7. 다양한 공학 문제를 C 프로그램을 통하여 해결할 수 있다.

3. Class types and activities

During the lecture, we discuss the fundamentals of programming in C. Laboratory sessions help implement solutions to given problems which will help in understanding the course. Active participation is encouraged.

4. Teaching Method

- | | |
|--|---|
| <input checked="" type="checkbox"/> lecture | <input type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input checked="" type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input type="checkbox"/> cyber lecture | <input type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|---|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	
midterm exam	1	30~35	
final exam	1	30~45	
quiz			
presentation			
discussion			
homework		10~30	
etc			
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Problem Solving and Program Design in C 8th ed.	Jeri R. Hanly and Elliot B. Koffman	Pearson	
Ref.	C Programming: A Modern Approach, 2nd e	K. N. King	W. W. Norton & Company	

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Course overview, SDLC		Yared Zerihun Bekele			
2	Fundamentals of C		Yared Zerihun Bekele			
3	Formatted Input/Output & Expressions		Yared Zerihun Bekele			

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
4	Basic Types & Arrays		Yared Zerihun Bekele			
5	Selection statments & Loops		Yared Zerihun Bekele			
6	Functions		Yared Zerihun Bekele			
7	Pointers I		Yared Zerihun Bekele			
8	Mid exam		Yared Zerihun Bekele			
9	Pointers II		Yared Zerihun Bekele			
10	Strings I		Yared Zerihun Bekele			
11	Strings II		Yared Zerihun Bekele			
12	Structures, Unions, andEnumerations		Yared Zerihun Bekele			
13	Dynamic allocation of memory		Yared Zerihun Bekele			
14	File Operations (creation,modification, deletion		Yared Zerihun Bekele			
15	Bitwise operations		Yared Zerihun Bekele			
16	Final exam		Yared Zerihun Bekele			

11. Other items of notification

Contemporary Drama and Performance

Course Name	Course type (credit/hours)	교필(3/3)			Course code	X588
	Target students Division/major/grade	/1학년			Opening semester	2024 1ST SEMESTER
	Class time and classroom	월E(성236) 수E(성236)(성236)			English Grade	A(100%English)
Reference to this course	Prerequisite courses					
	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	Joseph Ball (조교수/대학 다산학부대학)				
	Office Room Number	성호관421호	Office phone Number	2846	e-mail	
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

This course concentrates on Contemporary Drama in English. Lessons will include pair work, group tasks, and class discussions about the text. The language of instruction is English and students are expected to communicate in English during class.

2. Course Objectives

- 1) Students will gain confidence and improve their understanding of plays by reading
- 2) Students will watch a movie and compare it to the play.
- 3) Students will make their their own short plays.
This includes: writing and practicing dialogs to make a video, performing in their own film, and giving criticism about the performances.
- 4) Students will also learn to critique the texts with specific reasons, details, and examples.

3. Class types and activities

Students will gain confidence and improve their English speaking abilities by writing expressions and a dialog. Students will also learn to produce a play by writing it and then recording it. Lessons will include models for developing and supporting their main ideas for the film.

4. Teaching Method

- | | |
|---|---|
| <input checked="" type="checkbox"/> lecture | <input checked="" type="checkbox"/> discussion and debate |
| <input checked="" type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input type="checkbox"/> others | |

5. Support Systems in Use

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> e-class | <input checked="" type="checkbox"/> automatic recording system | <input type="checkbox"/> web-based assignment |
| <input checked="" type="checkbox"/> cyber lecture | <input checked="" type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|--|---|
| <input type="checkbox"/> PBL(Problem Based Learning) | <input type="checkbox"/> CBL(Case Based Learning) |
| <input checked="" type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

- * Before each class please preview the appropriate unit in the textbook.
수업시간 전에 반드시 책을 읽어 오시기 바랍니다.
- * Online homework should be completed before class.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10%	Attendance
midterm exam		20%	Midterm Only
final exam			
quiz			
presentation		20%	Participation
discussion			
homework		25%	Group Written Script
etc		25%	Group Film
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
	Harry Potter and the Cursed Child Parts One and Two based on J. K. Rowling original story	John Tiffany & Jack Thorne	Little, Brown Book Group	2016

10. Class system and Class shedule

We will follow the syllabus and of course the play.

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Review of Syllabus Read Harry Potter and the Cursed Child	K	Joseph Ball	Online & Video		
2	Read Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		
3	RRead Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		
4	Read Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		

< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	language	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
5	Read Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		
6	Read Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		
7	Review for Midterm Exam Read: Harry Potter and the Chamber of Secrets: Pages 283-305, 306-326, 327-341 Daily Discussion Watch Movie for Video Class	K	Joseph Ball	Online & Video		
8	Mid-term Exam 20%	K	Joseph Ball	Online & Video		
9	Review Guidelines for Writing the Script	K	Joseph Ball	Online & Video		
10	Read Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		
11	Read Harry Potter and the Cursed Child Daily Discussion	K	Joseph Ball	Online & Video		
12	Read Harry Potter and the Cursed Child Daily Discussion Movie for Video Class	K	Joseph Ball	Online & Video		
13	Written Scripts for Films Due 25% Read Harry Potter and the Sorcerer's Stone: Pages 262-287, 288-309 Daily Discussion Watch Movie for Video Class	K	Joseph Ball	Online & Video		
14	Final Review for Group Films Watch Movie for Video Class	K	Joseph Ball	Online & Video		
15	Group Films 25%	K	Joseph Ball	Online & Video		
16	Group Films 25%	K	Joseph Ball	Online & Video		

11. Other items of notification

Cross-cultural Management

Course Name	Course type (credit/hours)	전선(3/3)			Course code	1031
	Target students Division/major/grade	경영학과/2학년			Opening semester	2024 1ST SEMESTER
	Class time and classroom	()			English Grade	A(100%English)
Reference to this course	Prerequisite courses					
	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	김기민(Kimin Kim) (조교수/경영대학 경영학과)				
	Office Room Number	다산관 306-2호	Office phone Number	3687	e-mail	
	Office hours	Mon 13:00-14:00 & Wed 13:00-14:00		Homepage address	-	
Teaching Assistant	Name (title/division)					
	Office Room Number	-	Office phone Number	-	e-mail	

1. Introduction

The contemporary global business world requires that employees and managers develop cross-cultural competence to work effectively in international assignments, on cross-cultural teams, with increasingly diverse customers and clients, and to effectively collaborate with competitors, suppliers, partners and other relevant stakeholders.

This course is designed to introduce students to comparisons of significant cross-cultural differences and help them to become familiar with ways to effectively anticipate and address cultural differences toward organizational and individual success.

2. Course Objectives

COURSE OBJECTIVES:

1. For the student to better understand how various management functions are impacted by cross-cultural differences.
2. Participants will have the opportunity to become familiar with findings from multiple real world studies of cross-cultural managerial differences.
3. Opportunities will be provided for students to develop specific skills that can be used to anticipate and successfully address cross-cultural differences at a managerial level from theoretical and practical perspectives.

LEARNING OUTCOMES:

1. Students will be able to identify potential intercultural synergies and develop strategic plans to help organizations use them to improve market penetration, employee engagement, customer loyalty, and profits.
2. Students will understand methods of optimizing human performance and potential in organizations.
3. Students will understand culture and how it impacts organizations and businesses.
4. Students will have a working knowledge of several specific countries' cultures and several domestic Korean subcultures.
5. Students will understand human diversity, how it impacts organizations and businesses, and how it relates to culture.
6. Students will demonstrate improved cultural intelligence skills and ability to work with others from different cultures.
7. Students will be aware of and have practice using specific strategies to deal with challenges posed by

3. Class types and activities

There are a few things to be fully noticed due to the format of the course: English and Cyber course.

First, being an 100% English course, all the class activities, including taking lectures, communicating with the instructor and the TA, and writing assignments and exams, shall be conducted only in English. Also, there could be minor penalties for incorrect or inappropriate English writings for the assignments and exams.

Second, being a cyber course, most lectures are delivered via AjouBb platform through the Internet; Recorded video lectures will be updated on weekly basis, and they will be available to watch only for two weeks after their posting.

Students are expected to manage their own resources, such as time and PCs to access to the Internet, and have no difficulties in handling related devices.

Attendance will be checked automatically when watching video lectures in full within a limited period; "Fail" on attendance will be given when watching them with fast forward function, when closing them before completion, or when watching them after due date.

For error-free attendance check, it is strongly recommended to use Google Chrome Browser rather than iOS or other platforms.

It is strongly recommended to check the status of attendance just after finishing watching video lecture every week and instantly contact the TA when finding any problem in attendance check.

Please keep in mind that, according to the University Regulation, F grade shall be given if you fail to attend classes more than a quarter of the whole classes.

Third, communications between the instructor, the TA and the students shall be conducted mostly via Ajou email and AjouBb.

Students are expected to use their official Ajou email address rather than their private email accounts such as gmail.

Students shall take their own responsibility for whatever consequences that may come from not checking their Ajou emails and posting on AjouBb.

Additionally, the exams may be conducted on-line via AjouBb or off-line in class.

In any case, in order to avoid scheduling conflict with other regular courses, the exams can be scheduled on weekends or at in the evening on weekdays.

If you are not available to take exams on the above conditions, please reconsider your course registration.

4. Teaching Method

- | | |
|---|---|
| <input checked="" type="checkbox"/> lecture | <input type="checkbox"/> discussion and debate |
| <input type="checkbox"/> team project(presentation and case studies) | <input type="checkbox"/> experiments(role-playing,etc) |
| <input type="checkbox"/> designing and production | <input type="checkbox"/> on-site learning(on-site training) |
| <input checked="" type="checkbox"/> others (This course provides online lecture, and requires students to conduct case analyses by | |

5. Support Systems in Use

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> e-class | <input type="checkbox"/> automatic recording system | <input checked="" type="checkbox"/> web-based assignment |
| <input checked="" type="checkbox"/> cyber lecture | <input checked="" type="checkbox"/> blended learning(combination of online and offline teaching) | |
| <input type="checkbox"/> class behavior analyzing system | <input type="checkbox"/> others | |

6. Teaching Tools

- | | |
|---|--|
| <input checked="" type="checkbox"/> PBL(Problem Based Learning) | <input checked="" type="checkbox"/> CBL(Case Based Learning) |
| <input type="checkbox"/> TBL(Team Based Learning) | <input type="checkbox"/> others |

7. Knowledge and ability required for taking this course

Fluency in reading and writing in English is strongly required.

Plagiarism check will be conducted automatically for all the writings you submit onto Ajou Bb, including weekly homework, an assignment, the midterm exam and the final exam.

Please teach yourself what plagiarism is, how to avoid it, etc.; the instructor would not provide lecture on it.

Complying with the University Regulation, F grade will be given to the students who submit writings containing significantly high plagiarism rates.

8. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance		10	Attendance
midterm exam	1	30	Midterm Exam
final exam	1	30	Final Exam
quiz			
presentation			
discussion			
homework	10	10	Weekly Homework
etc	1	20	Research Report
study hours			

9. Textbook and supplementary material

Main/Sub	Title (Web-site)	Writer	Publisher	Publication year
Main	Management Across Cultures: Challenges, Strategies, and Skills (4th ed.)	Steers and Osland	Cambridge University Press	2020
Sub	Understanding Cross-Cultural Management	Browaeyns and Price	Pearson	2019

10. Class system and Class shedule

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< Class Schedule >

* language : K-korean, E-English

Weeks	Topics	lang uage	Instructor	Teaching Method	Evaluation Method	Matter to be prepared
1	Introduction & Overview	E	김기민(Kimin Kim)	Cyber Lecture		
2	Global managers in a changing world	E	김기민(Kimin Kim)	Cyber Lecture		
3	Cultural environments, part 1	E	김기민(Kimin Kim)	Cyber Lecture		
4	Cultural environments, part 2	E	김기민(Kimin Kim)	Cyber Lecture		
5	Organizational environments	E	김기민(Kimin Kim)	Cyber Lecture		
6	Managerial environments	E	김기민(Kimin Kim)	Cyber Lecture		
7	Global leadership	E	김기민(Kimin Kim)	Cyber Lecture		
8	Midterm Exam	E	김기민(Kimin Kim)	-		
9	Cross-cultural communication, part 1	E	김기민(Kimin Kim)	Cyber Lecture		
10	Cross-cultural communication, part 2	E	김기민(Kimin Kim)	Cyber Lecture		
11	Managerial ethics & CSR	E	김기민(Kimin Kim)	Cyber Lecture		
12	Global partnerships & negotiations	E	김기민(Kimin Kim)	Cyber Lecture		
13	Global teams	E	김기민(Kimin Kim)	Cyber Lecture		
14	Global assignments	E	김기민(Kimin Kim)	Cyber Lecture		
15	Lessons learned: a review	E	김기민(Kimin Kim)	Cyber Lecture		
16	Final Exam	E	김기민(Kimin Kim)	-		

11. Other items of notification

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Current Issues in Korean Society

Course Name	Course type (credit/hours)	교필(3/3)			Course code	X344
	Target students Division/major/grade	/			Opening semester	2024 1ST SEMESTER
	Class time and classroom	월E(다507) 수E(다507)(다507)			English Grade	A(100%English)
Reference to this course	Prerequisite courses					
	Related basic courses					
	Recommanded concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)	김병관 (부교수/사회과학대학 사회학과)				
	Office Room Number	율곡관 421	Office phone Number	2781	e-mail	
	Office hours	Mon 14:00-15:00 & Thu 13:30-15:00		Homepage address		
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction