

## 2023Year 2nd Semester Syllabus

Created Date	2023-07-31 12:37:37		Last-Modified	2023-07-31 12:37:37	
Course Title	INTRODUCTION TO AI AND ITS APPLICATION		Course Code-Section	AIC2120-01	
Credit/Time/ Experiment, Lab, Practical Technique Time	3/Sun1,2,3		Department	College of AI Common	
Time	Sun1,2,3		Location	Pre-recorded lecture	
Exam Date & Time	Midterm exam		Final exam		
Class Language	English		Evaluation Type	Absolute evaluation	

Instructor's Profile	Name	Kim Seon Joo		Telephone	02-2123-5709
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TA's Name & Contact Information	Name	Hyulim Kang	Contact Information	Telephone	
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Course Description Brief Introduction of the Course	With the advancement of artificial intelligence technology, numerous problems in the world are beginning to be solved using AI, and it is expected that AI technology will continue to develop at an even faster pace and be applied in various fields. Artificial intelligence is no longer limited to AI experts; its value will shine brighter when applied to solve countless real-world problems. In this class, we aim to share a comprehensive knowledge of artificial intelligence with non-experts and explore successful cases of problem-solving in various domains, attempting to solve real problems ourselves.				
Course Goals	1.	Korean	AI 기본원리 이해	25%	
		English	Understand how AI works in general.		
	2.	Korean	다양한 AI 알고리즘 및 모델 이해	25%	
		English	Understand different AI algorithms / models.		
	3.	Korean	AI 모델 구현 실습	25%	
		English	Practice building AI Models		
	4.	Korean	다양한 분야에 AI 적용에 관한 고찰	25%	
		English	Think about how AI can be used in your field.		
	5.	Korean		0%	
		English			

Core Competencies	The total measurable competencies must be 100%. Each course objective should set the competency as 25%. The core and major competencies should equal at least 50%.						
	문제해결능력	50%	논리적사고	30%	프로그래밍능력	20%	
Sub-Competencies/Learning Unit1							
Sub-Competencies/Learning Unit2							
Sub-Competencies/Learning Unit3							
Core Competencies(Liberal Arts)/Major competency(	<b>Must reflect the interrelationship between core competencies (elective courses) and major competencies (major studies).</b>						
Sustainable Development Goals							
Average Recommended Amount of Learning per	Average Reading Volume		Average amount of writing(Based on A4)				
Course Methods (%) Total Amount 100	Lecture	Practice Training	Presentation	Dabate	Team Project		
	100%	0%	0%	0%	0%		
Course Methods 2 Select Relevant Items	PBL Subject	Capstone Design	CBL, Social Innovation Course	Flipped Classroom	Work Experience, Internsh		
Grading Policy(%) Total Amount 100 Free Input for Other Information	Midterm exam	Final exam	Quiz	Individual Assignment	Team Assignment	Attendance	Others
	35%	35%	8%	9%	0%	13%	0%
Assignment/ Report, Project Guide	Title of Assignment/Project Name, and Method of Filling Out		Submission Deadline	Type of Submission and Method			
Prerequisite			Online Course Address				
Course Material	Course Material Name	Author	Publisher	Publish Year	ISBN		
Main Learner Precautions							
Attachment							

## Weekly Plan

week	Period	Weekly Topic & Contents	Remarks
1	2023-09-01 2023-09-07	What is AI? AI History	(9.1.) Fall semester classes begin (9.5. - 9.7.) Course add and drop period
2	2023-09-08 2023-09-14	AI Algorithms 1	
3	2023-09-15 2023-09-21	AI Algorithms 2	
4	2023-09-22 2023-09-28	Machine Learning Basics 1	09.28 추석
5	2023-09-29 2023-10-05	Machine Learning Basics 2	(9.28. - 9.30.) 추석연휴 (10.3.) National Foundation Day 09.29 추석, 09.30 추석, 10.03 개천절
6	2023-10-06 2023-10-12	Computer Vision	(10.8.) First third of the semester ends (10.9.) Hangul Proclamation Day 10.09 한글날
7	2023-10-13 2023-10-19	Natural Language Processing	
8	2023-10-20 2023-10-26	Midterm Exam	(10.20. - 10.26.) Midterm Examinations
9	2023-10-27 2023-11-02	Deep Learning	(10.27. - 10.31.) Course withdrawal period (11.1. - 11.3.) Application Period for S/U evaluation
10	2023-11-03 2023-11-09	Deep Learning	
11	2023-11-10 2023-11-16	Generative AI	(11.14.) Second third of the semester ends
12	2023-11-17 2023-11-23	AI Applications 1	
13	2023-11-24 2023-11-30	AI Applications 2	
14	2023-12-01 2023-12-07	AI Applications 3	
15	2023-12-08 2023-12-14	Final Exam Period	(12.8. - 12.14.) Self-study
16	2023-12-15 2023-12-21	Final Exam	(12.15. - 12.21.) Final Examinations

- Students with disabilities(SWDs) can request accommodations related to lectures, assignments, or tests by contacting the course professor at the beginning of semester.  
(However, accommodations may vary depending on the essentiality of lecture and discretion of professors.)

[Lecture]

- Visual Impairment: alternative, braille, enlarged reading materials, note-taker

- Physical Impairment: alternative reading materials, access to classroom, note-taker, assigned seat
  - Hearing Impairment: note-taker/stenographer, recording lecture
  - Intellectual Disability/Autism: note-taker
- [Assignments and Test]
- Visual/Physical/Hearing Impairment: (reasonable) extra days for submission, alternative type of assignment, extended test time, alternative type of test, arranging separate test room, and proctors, test ghostwriter
  - Intellectual Disability/Autism: (reasonable) extra days for submission, alternative type of assignment