(Syllabus)

<table>
<tr><td colspan="6">[1] (Basic Information)</td></tr>
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(Course Information)					
/ (Year/Semester)	2023 / 1		(Campus)		(Seoul Campus)
(Course No.)	57198		(Class No.) 01		(Credit) 3
(Course Title)	AI (ARTIFICIAL INTELLIGENCE LITERACY)		/ (Time/Room)		310 (310) 420 < > 1,2,3(310 (310) 420 < > WED 1,2,3)
(Course Classification)	(required major course)		(Lecture Type)		(Lone-teaching course)
(Course Type)	(Theoretical course)		(Medium of Instruction)		
(Accreditation)			(Accreditation of Engineering Education)		
(College)	(Graduate School)		( ) (Department)		AI (Department of Artificial Intelligence)
e-class (Usage of e-class)	Yes				

(Instructor Information)				
(Name)	(Junyeong Kim)	(Department)		AI (Department of Arificial Intelligence)
(Office Phone No.)	02-820-5297	(Contact No.)		02-820-5297
E-mail (E-mail)	junyeongkim@cau.ac.kr	(Department Phone No.)		042-820-6357
(Office Hour)	1-4 PM ( )	(Office Location)		209 405
(Course Web-site)				

[2]　　　/ (Learning Objectives/Outcomes)

_____ (Course Description)
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_____ (Prerequisites and Co-requisites)

_____ (Learning Objectives)
+   +   + CNN, RNN, GAN, Transformer   +

_____ (Learning Outcomes)
+   +

[3]　　　　　　 (Course Methods)

_____ (Teaching and Learning Methods)

(Teaching and Learning Methods)	(Additional Description)
(Lecture)	

_____ (Assignments)

(Assignments)	(No.)	(　　,　　,　　　)(Assignments Description)
(Group)	1	, 　　　.
(Practice)	3	

_____ (Textbooks, Reading, and other Materials)

(Textbook/Reference)	(Title)	(Author)	/ (Year of Publication/etc)	/ (Publisher/Name of Journal)	/ (No. of Edition)
(Main Textbook)	ppt slides				
(Reference)	Deep Learning	I. Goodfellow, Y. Bengio, A. Courville	https://www.deeplearningbook.org/	An MIT Press	

[4]　　　　　　　 (Student Assessment)

(Assessment Item)	(%)(Assessment Ratio)	(Additional Description)
(Attendance)	10	
(Assignment)	30	
(Mid-term Exam)	30	
(Final Exam)	30	

[5]　　　　(Course Schedule)

(Week)	(Instructor)	(Topic & Content)	(Student Assignment)	(Additional Description & Instructor Assignment)
1	Junyeong Kim	Orientation + Introduction Framework for ML		
2	Junyeong Kim	Linear / Logistic Regresstion		
3	Junyeong Kim	Feed-Forward Neural Network		
4	Junyeong Kim	Regularization for Deep Learning		
5	Junyeong Kim	Optimization for Deep Learning		
6	Junyeong Kim	Convolutional Neural Networks (1)		
7	Junyeong Kim	Convolutional Neural Networks (2)		
8	Junyeong Kim	Midterm Exam		
9	Junyeong Kim	Recurrent Neural Networks (1)		
10	Junyeong Kim	Recurrent Neural Networks (2)		
11	Junyeong Kim	Applications of CNN, RNN		
12	Junyeong Kim	Transformers		
13	Junyeong Kim	Generative Models: VAE		
14	Junyeong Kim	Generative Models: GAN (1)		
15	Junyeong Kim	Generative Models: GAN (2)		
16	Junyeong Kim	Final Exam		

[6]　　　　(Guide to Learning)

　　　,　,　　　　e-class　　　　.

<   >(<Download Additional Sample>)

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(In pursuant to the Article 71 "Discipline" of the Chung-Ang University Regulations, and Article 47 "Punishment for Cheating during Examination" under Chapter 6 of the Academic Affairs Management Rules, any student caught engaging in academic misconduct during an exam will be subject to disciplinary action)

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3   /   :   ,   ,
4   ,
           : 02-820-6577~9(   ), 031-670-4816(   )
                          (cauable)

In this class, students with disabilities are eligible for reasonable accommodations depending on the type and severity of disability. If you wish to receive accommodations listed below, please contact the Support Center for Students with Disabilities.

1. Visual Impairment: Braille, large print, electronic class materials, volunteer note-taker, adjustments in assessment practices, etc.

2. Hearing Impairment: Volunteer note-taker, stenographer, adjustments in assessment practices, etc.

3. Physical Disabilities/Brain Lesions: Classrooms with wheelchair access, volunteer note-taker, adjustments in assessment practices, etc.

4. Accommodations for students with other psychiatric disabilities or health impairments can be arranged through the Support Center for Students with Disabilities after consultation.

   Inquiry: 02-820-6577~9 (Seoul Campus), 031-670-4816 (Anseong Campus)

 - KakaoTalk Plus Friend ID: @ cauable