

(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2025	(Semester)	2	(Course No.)	2150156101
(Class)	01	(Open to)	4 AI	(Course Classification)	-AI
/	3.0 / 03 / 3		100	가	가
					email
(Office)	111	(Telephone)	02-850-1415	(e-mail)	sh.park@ssu.ac.kr
	, (PBL), (TBL)				
	(*) (ABEEK Classification)			(*) (ABEEK Requirement)	
	,	,	,	,	,
(Course Description)					,

,			AI/
			AI/
benchmark	MLLMs	가 ,	AI/
MLLMs			AI/

가	(100)	(100%)
	100	10
	100	25
	100	15
	100	20
	100	10
	100	10
	100	10

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(Required Texts)	()	* (URL,)/CMU's Multimodal Machine Learning course (11-777)/LP Morency/CMU/2023/1/https://www.youtube.com/@LPMorency/videos * (URL,)/Stanford CS224N NLP with Deep Learning 2023 Lecture 16 - Multimodal Deep Learning/Stanford Online/Stanford University/2023/1/https://youtu.be/5vfIT5LOkR0?si=ICiyKvAmd7bpOvL6
		Blog Post, Paper, LLM
		- EL+ 가가 - 가 (, , , ,) - Google (CoLab), Github, Overleaf - (, , , ,)

2.

(Week)	(Keyword)	(Description)		(Texts)
01	Course Introduction, Deep Learning		,	Lecture Note 1-2
02	Deep Learning		,	Lecture Note 3-4
03	NLP Review, Text Representation	NLP	,	Lecture Note 5
04	Vision Review, Image Representation	Vision	,	Lecture Note 6
05	Modality Alignment, Vision-Language Models		,	Lecture Note 7
06	MLLM Structure, MLLM Training	MLLMs	,	Lecture Note 8
07	MLLM Inference, MLLM Evaluation	MLLMs 가	,	Lecture Note 9
08	PPP1: Project Proposal Presentation		,	
09	Open-source MLLM	Open-source MLLMs	,	Lecture Note 10
10	MLLM in Document Understanding	MLLMs	,	Lecture Note 11
11	PPP2: Project Progress Presentation		,	
12	Enhancing Reasoning for MLLM	MLLMs	,	Lecture Note 12
13	Invited Talk	MLLMs	,	
14	PPP3: Project Performance Presentation		,	
15	PPP3: Project Performance Presentation		,	

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3. ()

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Open-ended problem			
	Teamwork		
	Communication skills		