

(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2023	(Semester)	1	(Course No.)	2150097701
(Class)	01	(Open to)	4 IT	(Course Classification)	-IT
(Credit)	3.0		03		100
(Office)		(Telephone)	02-820-0710	(e-mail)	chlee@ssu.ac.kr
	(PBL)		+		
	(*) (ABEEK Classification)		(*) (ABEEK Requirement)		
	() Python programming, () , () , () ,				
(Course Description)					

MLP, CNN, RNN	

가	(100)	(100%)
	100	100

(Required Texts)		* /Hands-on Machine learning with Scikit-Learn, Keras &Tensorflow/A. Geron/O'Reiley/2022/3nd/
	()	
	Python	Python .
	Engaged learning ()	가 .
	:	30%, 30%, 30%, 10%

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2.

(Week)	(Keyword)	(Description)		(Texts)
01	Introduction			10
02	ANN			10
03	ANN	Keras MLP (1): Keras API , Keras MLP (2): , 가		10
04	ANN	Keras MLP (3): , Fine Tuning		10
05	DNN	Gradient		11
06	DNN	optimizer Regularization overfitting		11
07	CNN	CNN		14
08	CNN	CNN , Keras CNN		14
09		()		4/29() 1-3
10	CNN	Localization		14
11	sequence	Processing Sequences Using RNNs and CNNs		15
12	NLP	Natural Language Processing with RNNs and Attention		16
13	Autoencoders	Autoencoder , Autoencoder CNN/RNN , Autoencoder		17,18
14				6/3() 1-3
15	Deep RL	, DRL		18

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3. ()

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	Open-ended problem		
	Teamwork		
	Communication skills		