(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2025	(Semester)	2	(Course No.)	2150076401
(Class)	01	(Open to)	2 AI ,	(Course Classification)	-AI
/	3.0 / 03 / 3		100		
(Office)	1009	(Telephone)	02-828-7193	(e-mail)	khkim@ssu.ac.kr
	, (PBL), (TBL)				
	(*) (ABEEK Classification)		(*) (ABEEK Requirement)		
	, , AI				
(Course Description)	1. .2. , , .3. , .				

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( ) .	
, , .	AI/ HW/SW

	(100)	(100%)
	10	10
	40	40
	20	20
	30	30

(SYLLABUS)

(Required Texts)	( )	*	/Probabilistic Robotics/Sebastian Thrun/MIT Press/2005/1
	PC	.	, ,
	Ubuntu 22.04 Linux native		. (WSL2)
	Engaged Learning+		( )
	" ", " ", " " 3		.

2.

(Week)	(Keyword)	(Description)		(Texts)
01		[EL]	,	
02	1	: ,	,	
03	2	: (vs.)	,	
04	1	(,)	, ,	
05	2	(, Astar;)	,	
06		(ICP, NDT), GNSS	,	
07		(Graph-based SLAM)	, ,	
08	ROS 1	[EL ( )] rospy , ,	, , , , ,	
09	1	: ,	,	
10	2	: ,	, ,	
11	3	[EL ( )] :	,	
12	1	ForzaETH: Perception (Ego vs. Opponent)	,	
13	2	ForzaETH: Planning & Control	, ,	
14	ROS 2	roscpp , ,	, , , ,	
15		[EL ( )]	,	

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                                                      (02-820-0060)

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3. ( )

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	Open-ended problem				
	Teamwork				
	Communication skills				