

(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2024	(Semester)	1	(Course No.)	2150084001
(Class)	01	(Open to)	3, 4, 5	(Course Classification)	-
/	3.0 / 03 / 3		100	가	가
(Office)		(Telephone)	0426	(e-mail)	hoh@ssu.ac.kr
	(PBL)		+		2023
	(*) (ABEEK Classification)		(*) (ABEEK Requirement)		
(Course Description)	CMOS, FINFET, EUV DRAM, 3D NAND				

가	(100)	(100%)
	100	45
	100	45
	100	10

(Required Texts)		
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2.

(Week)	(Keyword)	(Description)		(Texts)
01		-		
02		"BJT CMOS"		
03		(, , OPC, Off-Axis Illumination, PSM)		
04	EUV	"EUV"		
05	TCAD 1	"TCAD Sentaurus TCAD Sentaurus Workbench Tutorial"		
06	TCAD 2	"TCAD Simple MOSFET: S-Process (1) TCAD Simple MOSFET: S-Process (2) S-Device"		
07	TCAD	TCAD	, ,	
08	TCAD Device editor	TCAD Device Editor		
09	FINFET multi-gate device	" (Halo doping, LDD, etc.) (Strained Si, HKMG) 3 (FINFET, GAAFET, Future FET)"		
10	DRAM	"DRAM"		
11	3D NAND	"3D NAND"		
12		IC		
13		,		
14			,	
15	TCAD		,	

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3. ()

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	Open-ended problem		
	Teamwork		
	Communication skills		