

(SYLLABUS)

1.

(Course Title)		(Instructor)			
(Year)	2026	(Semester)	2	(Course No.)	2150129801
(Class)	01	(Open to)	2, 3, 4	(Course Classification)	-
/	3.0 / 03 / 3		100	가	가
(Office)	309	(Telephone)	02-820-0459	(e-mail)	jaheon@ssu.ac.kr
	(FL), (PBL)				
	(*) (ABEEK Classification)		(*) (ABEEK Requirement)		
	1, 2, or				
(Course Description)	. DRAM				

가	(100)	(100%)
	50	50
	10	10
	10	10
	30	30

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(Required Texts)		* / / / /2023/2/
	()	* / / / /2022/1/ * //2024
	가	
	- Engaged Learning+ (EL+) “ ” “ ” “ ” - EL+ “ 3 가 가 - Engaged learning : (Problem) 가	

2.

(Week)	(Keyword)	(Description)		(Texts)
01		• : , , 가, / • / • 8	,	Ch 1. / ()1 .
02	/ /Mercury VESTA SW	• , XRD/ • : Si, Ge, CdS/ •Mercury VESTA / ○ : Si d-spacing	,	Ch 1.
03	/ /Spartan SW	• , / • Spartan BURAI / ○ :	,	Ch 1.
04	/p-n	•p , n / •p-n LED/ ○ : BURAI	,	Ch 1.
05	/	• / • 가 ,	,	Ch 2.
06	/	•SiO2 / •Si / ○ : Si SiO2	,	()5 .
07	/	• , / • / •Spartan ESP / ○ : , , ESP	,	Ch 3-1. Photo / ()2
08	/	• / • / ○ Project: ()/-) DRAM (PPT)	,	Ch 3-2. Etching / ()3 .

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09	CVD/	• CVD, / • : , , Poly Si/ ○ - Project: ()/- 1T1C DRAM cell /- , /- ,	,	Ch 3-5. CVD /()8 .
10	PVD/	• PVD, / • / ○ Project: ()/- /-	,	Ch 3-6. PVD /()8 .
11	/	• / • / ○ Project: ()/- DRAM /- DRAM	,	Ch 3-4. Ion Implant /()7 .
12	CMP	•CMP , CMP가 / • - Project: ()/ ○)/- 1T1C - DRAM cell	,	Ch 3-7. CMP /()4 . CMP
13	/	• / • , , / ○ - Project: ()/- - DRAM	,	Ch 3-8. Cleaning
14	MOSFET/ 가	•MOSFET / ○ Project : 1 5 (10~15) ()	, ,	Ch 4-1. MOSFET
15	가	○ Project : 2 5 (10~15) () / ○	,	-

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3. ()

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	Open-ended problem		
	Teamwork		
	Communication skills		