Course Title	()		()	Semi conduc	emiconductor Fabrication Processes		
()	(`	/ /		006147/	/2	

() Lecturer	()	/ / (Course No. /)	006147/ /3
(/HP) Contact No.			/ (Class Hour/Venue)	13: 30-15: 00
(Course Prerequisite)			(Target Student)	4
E-mail (E-mail Address)			/Office Hour (Office/Office Hour)	812 / 15: 00-17: 00

(Obj ectives)	. (crystal growth, cleaning, lithography, oxidation, diffusion, ion implantation, thin film deposition, etching, back-end processing) Term Project .
CQI (Continuous Quality Improvement Plan)	: Xiao, 2nd edition. (,) Flipped learning
(Text book & References)	- Xiao, "Introduction to Semiconductor Manufacturing Technology, 2nd Edition", SPIE (2012) - , (2017)
(Assignment book)	- Plummer et al., "Silicon VLSI Technology: Fundamentals, Practice, and Modeling", Prentice Hall (2000) - "Silicon Run" VTR tape () - Doering and Nishi(ed), "Handbook of Semiconductor Manufacturing Technology" (2007)
(Lecture Methods)	- LCD projector
(Assignment)	- " " " 1 pdf - " , 0 - Term project
(Reading Materials)	- chapter .
가 (Course Grading)	[7t] (%): 30, (%): 40, 7t (%): 20, (%): 10, - : 4/26(), : 6/21() - F .
(Etc.)	- U-check U-check

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(Week)	(Course Contents)	(Etc.)	
1	Introduction and Historical Perspective		
2	Modern CMOS Technology		
3	CMOS Process Flow		
4	Fabrication and Basic Properties of Silicon Wafers		
5	Clean Rooms, Wafer Cleaning, and Gettering		
6	Li thography		
7	Thermal Oxidation and the Si/SiO2 Interface		
8			

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(Week)	(Course Contents)	(Etc.)	
9	Dopant Diffusion		
10	Ion Implantation		
11	Thin Film Deposition I		
12	Thin Film Deposition II		
13	Etchi ng		
14	Team Project Presentation		
15	Interconnect		
16			

