

Microfabrication 2019

Date	Lectures	Exercises	Teacher	Related to book:
26 Feb	Introduction Litho & etching Silicon	SF SF VO		Chapter 1 Chapters 9,11 Chapter 4
5 March	Thin films Cleaning & cleanroom	SF VO SF		Chapter 5 Chapters 12, 35
12 March	H1: thin filr RU Oxidation Lab device	VO SF		Chapter 13
19 March	INTO THE LAB H2: resistors NI Doping (incl. Epi)	VO VO		Chapters 14,15 Chapter 25
26 March	H3: oxide, (NI & RU Bonding & CMP Integration	VO VO		Chapters 16,17
2 April	H4: lab rep JH CMOS			Chapter 26
		S3: CMOS	VO	
9 April	exam week, no teaching			
16 April	H5: CMOS MEMS 1 (etch) MEMS 2 (surface)	VO SF SF		Chapters 21,22 Chapter 29
23 April	H6: MEMS MEMS 3 (bulk)	SF SF		Chapter 30
		S4: MEMS	SF	
30 April	S5: MEMS	SF		
7 May	H7: MEMS Yield & economics	SF SF		Chapters 36,37
		S6: MEMS	SF	
14 May	H8: yield ar Scaling nano-CMOS & Moore	SF SF VO		Chapters 26, 38 Chapter 38, 39