

Lecture	Date	Topic	Assignments	Lab Training
1	9/23	Introduction to MEMS Overview of MEMS Fabrication	L-Edit Basics Due (10/7)	
2	9/28	Overview of MEMS Fabrication Overview of Fabrication Process	Choose Groups for Project Lab Report #1 assigned (Due 10/19)	
3	9/30	Safety Class (meet in EII 1141) Nanofab Tour		
4	10/5	Overview of Fabrication Process		Oxidation Solvent Cleaning Lithography Etching
5	10/7	Oxidation, Modeling	L-Edit Assignment Due Design Mask for Process (Due 10/14)	
6	10/12	Lithography I		
7	10/14	Etching I	Design HW #1 Assigned (Due 10/28) Mask Design Due for Process	Evaporator Liftoff
8	10/19	Etching II	Lab Report #1 Due Lab Report #2 Assigned (Due 11/4)	PDMS Plasma Bonding
9	10/21	Deposition		
10	10/26	Packaging Guest Lecture: Payam Bozorgi	Final Lab report Assigned (Due 12/2)	Microfluidic Experiments
11	10/28	Deposition II/Doping /Wafer Bonding	Design HW #1 Due	
12	11/2	Characterization		
13	11/4	Accelerometer Case Study	Lab Report #2 Due TAKE HOME MIDTERM ASSIGNED (Due 11/16)	
14	11/9	BioMEMS Case Study		
15	11/11	Holiday (Veterans Day)	TAKE HOME MIDTERM Due 11/16	
16	11/16	Power MEMS Case Study		
17	11/18	Optical MEMS Case Study		Outreach Project
18	11/23	MEMS Design Case Study Guest Lecture: Prof. Turner		
19	11/30	Guest Lecture: TBA		
20	12/2	Review		
FINAL EXAM - TUESDAY DECEMBER 7 FROM 12-3PM.				