

EEE 161/Engr 181 - Course Outline – Spring 2012

Week	DATE:	SECTIONS:	TOPICS:
1	01-23	Chapter 1	The Crystal Structure of Solids
	01-25	Chapter 2	Introduction to Quantum Mechanics
2	01-30		
	02-01	Chapter 3	Introduction to the Quantum Theory of Solids
3	02-06		
	02-08		
4	02-13	Chapter 4	The Semiconductor in Equilibrium
	02-14		
5	02-20	Chapter 5	Carrier Transport Phenomena
	02-22		
6	02-27		
	02-29	MIDTERM	Chapters 2, 3, 4
7	03-05	Chapter 6	Nonequilibrium Excess Carriers in Semiconductors
	03-07		
8	03-12		
	03-14	Chapter 7	The pn Junction
9	03-19		Spring Break
	03-21		Spring Break
10	03-26		
	03-28	Chapter 8	The pn Junction Diode
11	04-02		
	04-04	MIDTERM	Chapters 5, 6, 7
12	04-09		
	04-11	Chapter 9	Metal-Semiconductor and Heterojunctions
13	04-16		
	04-18	Chapter 10	The Bipolar Transistor
14	04-23		
	04-25		
15	04-30	Chapter 11	MOSFET Transistor
	05-02		
16	05-07		
	05-09		Review and wrap-up
17	05-14	Final Exam	12:45 p.m. – 2:45 p.m. (Monday) Chapters 8, 9, 10, 11