

ECE 2210

Tentative

A. Stolp

12/30/12

COURSE SCHEDULE

Week	Date	lect	Topics	Textbook
1	W 01/11	1	Introduction, Basic electrical units & symbols, Kirchoff's laws	Ch1, 2.1-3
	F 01/13	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
2	M 01/16		Martin Luther King Day	
	W 01/18	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meters	2.10, 2.12-16
	F 01/20	4	Superposition, Practical voltage and current sources	2.18, 3.2
3	W 01/25	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
	F 01/27	6	Thevenin & Norton Equivalent Circuits	notes
4	W 02/01	7	Networks, Nodal analysis	2.17, notes
	F 02/03	8	Introduction to AC & Signals, RMS	2.29
5	W 02/08	9	Capacitors, RC first order transients	2.23, 3.6
	F 02/10		Exam 1	
	W 02/15	10	First order transients, Inductors, Resonance	2.24, 2.30, 3.7
	F 02/17	11	First order transients	2.34
	M 02/20		Presidents Day	
7	W 02/22	12	Steady-state Sinusoids, Phasors, & Complex numbers	2.25-26
	F 02/24	13	Phasors, Impedance, & AC circuits	2.27
8	W 02/29	14	AC circuit examples	2.29-30
	F 03/02	15	Filters & Bode plots	2.31-33, notes
9	lab lect	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
	W 03/07		Exam 2	
	F 03/09	17	Second order transients, Time-domain solutions	notes
	W 03/14		Spring Break	
	F 03/16			
10	W 03/21	18	Second order transients, Initial and final conditions	notes
	F 03/23	19	Second order transient examples, Systems	notes
11	W 03/28	20	RMS and AC Power	2.28
	F 03/30	21	AC Power, Transformers	3.8
12	W 04/04	22	AC Power, 3 phase, Y, Delta, examples	7.1
	F 04/06	23	Diodes, LEDs, Diodes in DC circuits	4.2
13	lab lect	24	Diodes in AC circuits, Rectification	4.2, notes
	W 04/11		Exam 3	
	F 04/13	25	Transistors	4.3
14	T 04/17		ME Design Day in Union ballroom, Attendance is required for HW DD	
	W 04/18	26	Transistors & Switching circuits	4.3, notes
	F 04/20	27	Operational Amplifiers	Ch 6, Ch 7
15	W 04/25	28	Operational Amplifiers	Ch 7
16	M 04/30		Review, _____ pm	
	T 05/01		Final Exam, 3:30 - 5:30 pm	