

ECE 2200

A. Stolp

Tentative

08/14/13

COURSE SCHEDULE

Week	Date	lect	Topics	Textbook
1	T 08/27	1	Introduction, Basic electrical units & symbols, Kirchhoff's laws	Ch1, 2.1-3, 2.17
	Th 08/29	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
	M 09/02		Labor Day	
2	T 09/03	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meters	2.10, 2.12-16
	Th 09/05	4	Superposition, Practical voltage and current sources	2.18, 3.2
	T 09/10	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
	Th 09/12	6	Thevenin & Norton Equivalent Circuits	notes
4	T 09/17	7	Networks, Nodal analysis	2.17, notes
	Th 09/19	8	Introduction to AC & Signals, RMS	2.29
5	T 09/24	9	Capacitors, RC first order transients	2.23, 3.6
	Th 09/26		Exam 1	
6	T 10/01	10	First order transients, Inductors, Resonance	2.24, 2.30, 3.7
	Th 10/03	11	First order transients	2.34
7	T 10/08	12	Steady-state Sinusoids, Phasors, & Complex numbers	2.25-26
	Th 10/10	13	Phasors, Impedance, & AC circuits	2.27
	F 10/11		2200 Final, (may be taken Thursday, 10/24)	
	S 10/12		Fall Break	
	Su 10/20			
ECE 2210 continues on as shown below. You are welcome to attend, but nothing further is required.				
8	T 10/22	14	AC circuit examples	2.29-30
	lab lect	15	Filters & Bode plots	2.31-33, notes
	Th 10/24		Exam 2, Alternative 2200 Final	
9	T 10/29	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
	Th 10/31	17	Second order transients, Time-domain solutions	notes
10	T 11/05	18	Second order transients, Initial and final conditions	notes
	Th 11/07	19	Second order transient examples, Systems	notes
11	T 11/12	20	RMS and AC Power	2.21-22
	Th 11/14	21	AC Power, Transformers	2.28, 3.8
12	T 11/19	22	AC Power, 3 phase, Y, Delta, examples	Appendix A
	lab lect	23	Diodes, LEDs, Diodes in DC circuits	4.2
	Th 11/21		Exam 3	
13	T 11/26	24	Diodes in AC circuits, Rectification	4.2, notes
	Th 11/28		Thanksgiving	
14	T 12/03	25	Transistors	4.3
	Th 12/05	26	Transistors & Switching circuits	4.3, notes
15	T 12/10	27	Operational Amplifiers	Ch 8
	Th 12/12	28	Operational Amplifiers	Ch 8
16	Th 12/19		Review, 2:00 pm	
	F 12/20		Final Exam, 8:00 - 10:00 pm	