

# ECE 2200

A. Stolp

Tentative

08/09/12

## COURSE SCHEDULE

Week	Date	lect	Topics	Textbook
1	T 08/23	1	Introduction, Basic electrical units & symbols, Kirchhoff's laws	Ch1, 2.1-3
	Th 08/25	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
2	T 08/30	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meters	2.10, 2.12-16
	Th 09/01	4	Superposition, Practical voltage and current sources	2.18, 3.2
3	M 09/04	Labor Day		
	T 09/06	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
	Th 09/08	6	Thevenin & Norton Equivalent Circuits	notes
4	T 09/13	7	Networks, Nodal analysis	2.17, notes
	Th 09/15	8	Introduction to AC & Signals, RMS	2.29
5	T 09/20	9	Capacitors, RC first order transients	2.23, 3.6
	Th 09/22	Exam 1		
6	T 09/27	10	First order transients, Inductors, Resonance	2.24, 2.30, 3.7
	Th 09/29	11	First order transients	2.34
7	T 10/04	12	Steady-state Sinusoids, Phasors, & Complex numbers	2.25-26
	Th 10/06	13	Phasors, Impedance, & AC circuits	2.27
	F 10/07	2200 Final, (may be taken Thursday,10/21)		
	S 10/08	Fall Break		
	Su 10/16			
<b>ECE 2210 continues on as shown below. You are welcome to attend, but nothing further is required.</b>				
8	T 10/18	14	AC circuit examples	2.29-30
	lab lect	15	Filters & Bode plots	2.31-33, notes
	Th 10/20	Exam 2, Alternative 2200 Final		
9	T 10/25	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
	Th 10/27	17	Second order transients, Time-domain solutions	notes
10	T 11/01	18	Second order transients, Initial and final conditions	notes
	Th 11/03	19	Second order transient examples, Systems	notes
11	T 11/08	20	RMS and AC Power	2.28
	Th 11/10	21	AC Power, Transformers	3.8
12	T 11/15	22	AC Power, 3 phase, Y, Delta, examples	7.1
	lab lect	23	Diodes, LEDs, Diodes in DC circuits	4.2
	Th 11/17	Exam 3		
13	T 11/22	24	Diodes in AC circuits, Rectification	4.2, notes
	Th 11/24	Thanksgiving		
14	T 11/29	25	Transistors	4.3
	Th 12/01	26	Transistors & Switching circuits	4.3, notes
15	T 12/06	27	Operational Amplifiers	Ch 6, Ch 7
	Th 12/08	28	Operational Amplifiers	Ch 7
16	M 12/12	Review, 10:30 - 12:30 pm		
	W 12/14	Final Exam, 3:30 -5:30 pm		