

ECE 2200

A. Stolp

Tentative

08/16/12

COURSE SCHEDULE

Date	lect	Topics	Textbook
T 08/21	1	Introduction, Basic electrical units & symbols, Kirchhoff's laws	Ch1, 2.1-3
Th 08/23	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
T 08/28	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meters	2.10, 2.12-16
Th 08/30	4	Superposition, Practical voltage and current sources	2.18, 3.2
M 09/02		Labor Day	
T 09/04	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
Th 09/06	6	Thevenin & Norton Equivalent Circuits	notes
T 09/11	7	Networks, Nodal analysis	2.17, notes
Th 09/13	8	Introduction to AC & Signals, RMS	2.29
T 09/18	9	Capacitors, RC first order transients	2.23, 3.6
Th 09/20		Exam 1	
T 09/25	10	First order transients, Inductors, Resonance	2.24, 2.30, 3.7
Th 09/27	11	First order transients	2.34
T 10/02	12	Steady-state Sinusoids, Phasors, & Complex numbers	2.25-26
Th 10/04	13	Phasors, Impedance, & AC circuits	2.27
F 10/05		2200 Final, (may be taken Thursday, 10/18)	
S 10/06		Fall Break	
Su 10/14			
2210 continues on as shown below. You are welcome to attend, but nothing further is required.			
T 10/16	14	AC circuit examples	2.29-30
lab lect	15	Filters & Bode plots, Exam review Wed., 4:30	2.31-33, notes
Th 10/18		Exam 2, Alternative 2200 Final	
T 10/23	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
Th 10/25	17	Second order transients, Time-domain solutions	notes
T 10/30	18	Second order transients, Initial and final conditions	notes
Th 11/01	19	Second order transient examples, Systems	notes
T 11/06	20	RMS and AC Power	2.28
Th 11/08	21	AC Power, Transformers	3.8
T 11/13	22	AC Power, 3 phase, Y, Delta, examples	7.1
lab lect	23	Diodes, LEDs, Diodes in DC circuits, Exam review Wed., 4:30	4.2
Th 11/15		Exam 3	
T 11/20	24	Diodes in AC circuits, Rectification	4.2, notes
Th 11/22		Thanksgiving	
T 11/27	25	Transistors	4.3
Th 11/29	26	Transistors & Switching circuits	4.3, notes
T 12/04	27	Operational Amplifiers	Ch 6, Ch 7
Th 12/06	28	Operational Amplifiers	Ch 7
W 12/12	?	Review, 2:00 - 4:00 pm ?? (may change, listen in class)	
Th 12/13		Final Exam, 1:00 - 3:00+ pm	