

ECE 2200

A. Stolp

Tentative

08/08/20

COURSE SCHEDULE

Week	Date	lect	Topics	Textbook
1	T 08/24	1	Introduction, Basic electrical units & symbols, Kirchhoff's laws	Ch1, 2.1-3, 2.17
	Th 08/26	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
2	T 08/31	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meters	2.10, 2.12-16
	Th 09/02	4	Superposition, Practical voltage and current sources	2.18, 3.2
3	M 09/06		Labor Day	
	T 09/07	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
	Th 09/09	6	Thevenin & Norton Equivalent Circuits	notes
4	T 09/14	7	Networks, Nodal analysis	2.17, notes
	Th 09/16	8	Introduction to AC & Signals, Capacitors	2.29, 2.23
5	T 09/21		Exam 1	
	Th 09/23	9	Capacitors, RC first order transients	2.23, 3.6, 2.24
6	T 09/28	10	Inductors, Resonance, RL first order transients	2.24, 3.7, 2.30
	Th 09/30	11	First order transients, Complex numbers	2.34
7	T 10/05	12	Steady-state Sinusoids, Phasors, & Impedance	2.25-26
	Th 10/07	13	Phasors, Impedance, & AC circuits	2.27
	S 10/09		Fall Break	
	Su 10/17			
ECE 2210 Continues on as shown below				
8	Th 10/21	14	AC circuit examples	2.29-30
	lab lect	15	Filters & Bode plots	2.31-33, notes
	Th 10/21		Exam 2	
9	T 10/26	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
	Th 10/28	17	Second order transients, Time-domain solutions	notes
10	T 11/02	18	Second order transients, Initial and final conditions	notes
	Th 11/04	19	Second order transient examples, Systems	notes
11	T 11/09	20	Diodes basics, Diodes in DC circuits	4.2
	Th 11/11	21	Diodes in AC circuits, Rectification	4.2, notes
12	T 11/16	22	Diodes, Transistors	4.3, notes
	lab lect	23	Transistors & Switching circuits	4.3
	Th 11/18		Exam 3	
13	T 11/23	24	Operational Amplifiers	Ch 8
	Th 11/25		Thanksgiving	
14	T 11/30	25	Operational Amplifiers	Ch 8
	Th 12/02	26	RMS and AC Power	2.21-22
15	T 12/07	27	AC Power, RMS, examples	2.28, 3.8
	Th 12/09	28	AC Power, Transformers, 3 phase, Y, Delta	Appendix A
16	T 12/14		Review, 1:00 pm	
	W 12/15		Final Exam, 8:00 - 10:00 am	