

ECE 2210

A. Stolp

Tentative

01/09/22

COURSE SCHEDULE

Week	Date	lect	Topics	Textbook (3rd ed.)
1	W 01/12	1	Introduction, Basic electrical units & symbols, Kirchhoff's laws	Ch1, 2.1-3, 2.17
	F 01/14	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
2	M 01/17		Martin Luther King Day	
	W 01/19	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meter:	2.10, 2.12-16
	F 01/21	4	Superposition, Practical voltage and current sources	2.18, 3.2
3	W 01/26	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
	F 01/28	6	Thevenin & Norton Equivalent Circuits	notes
4	W 02/02	7	Networks, Nodal analysis	2.17, notes
	F 02/04	8	Introduction to AC & Signals, Capacitors	2.29, 2.23
5	W 02/09	9	Capacitors, Inductors	2.23, 3.6, 2.24
	F 02/11		Exam 1	
6	W 02/16	10	Inductors, Resonance, RC first order transients	2.24, 3.7, 2.30
	F 02/18	11	First order transients, Recall complex numbers	2.34
7	M 02/21		Presidents Day	
	W 02/23	12	Complex numbers, Steady-state Sinusoids, Phasors, & Impedance	2.25-26
	F 02/25	13	Phasors, Impedance, & AC circuits	2.27
8	W 03/02	14	AC circuit examples	2.29-30
	lab time	15	Video Lecture: Filters & Bode plots	2.31-33, notes
	F 03/04		Exam 2	
	M 03/07		Spring Break	
	F 03/11			
9	W 03/16	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
	F 03/18	17	Second order transients, Time-domain solutions	notes
10	W 03/23	18	Second order transients, Initial and final conditons	notes
	F 03/25	19	Second order transient examples, Systems	notes
11	W 03/30	20	Diodes basics, Diodes in DC circuits	4.2
	F 04/01	21	Diodes in AC circuits, Rectification	4.2, notes
12	W 04/06	22	Transistors	4.3
	lab time	23	Video Lecture: Transistors & Switching circuits	4.3, notes
	F 04/08		Exam 3	
13	W 04/13	24	Operational Amplifiers	
	F 04/15	25	Operational Amplifiers	Ch 8
14	W 04/20	26	RMS and AC Power	2.21-22
	H 04/21		ME Design Day in Union ballroom, Attendance is required for HW DD	
	F 04/22	27	AC Power, examples	2.28, 3.8
15	M 04/25		Problem Session at normal class time	
	W 04/27		Problem Session at normal class time	
16	M 05/02		Review, 1:00pm on zoom	
	T 05/03		Final Exam, 8:00am	