

# ECE 2210

Tentative

## COURSE SCHEDULE

A. Stolp

01/04/19

Week	Date	lect	Topics	Textbook (3rd ed.)
1	W 01/09	1	Introduction, Basic electrical units & symbols, Kirchhoff's laws	Ch1, 2.1-3, 2.17
	F 01/11	2	Resistance, Ohm's law, Power, Resistors in parallel & series	2.5-7, 2.11-12, 3.5
2	W 01/16	3	Voltage and current dividers, Sources, Nodes, Grounds, Branches, Meters	2.10, 2.12-16
	F 01/18	4	Superposition, Practical voltage and current sources	2.18, 3.2
3	M 01/21		Martin Luther King Day	
	W 01/23	5	Thevenin & Norton Equivalent Circuits, Max power transfer	2.19
	F 01/25	6	Thevenin & Norton Equivalent Circuits	notes
4	W 01/30	7	Networks, Nodal analysis	2.17, notes
	F 02/01	8	Introduction to AC & Signals	2.29
5	W 02/06	9	Capacitors, RC first order transients	2.23, 3.6
	F 02/08		Exam 1	
6	W 02/13	10	Inductors, Resonance, RL first order transients	2.24, 2.30, 3.7
	F 02/15	11	First order transients	2.34
7	M 02/18		Presidents Day	
	W 02/20	12	Steady-state Sinusoids, Phasors, & Complex numbers	2.25-26
	F 02/22	13	Phasors, Impedance, & AC circuits	2.27
8	W 02/27	14	AC circuit examples	2.29-30
	F 03/01	15	Filters & Bode plots	2.31-33, notes
9	lab lect	16	Second order transients, Laplace Impedance, Transfer functions	2.34, notes
	W 03/06		Exam 2	
	F 03/08	17	Second order transients, Time-domain solutions	notes
10	M 03/11		Spring Break	
	F 03/15			
11	W 03/13	18	Second order transients, Initial and final conditions	notes
	F 03/15	19	Second order transient examples, Systems	notes
12	W 03/27	20	Diodes basics, Diodes in DC circuits	4.2
	F 03/29	21	Diodes in AC circuits, Rectification	4.2, notes
13	W 04/03	22	Diodes, Transistors	4.3
	F 04/05	23	Transistors & Switching circuits	4.3, notes
14	lab lect	24	Operational Amplifiers	Ch 8
	W 04/10		Exam 3	
	F 04/12	25	Operational Amplifiers	Ch 8
15	W 04/17	26	RMS and AC Power	2.21-22
	H 04/18		ME Design Day in Union ballroom, Attendance is required for HW DD	
	F 04/19	27	AC Power, Transformers	2.28, 3.8
16	M 04/22		Problem Session at normal class time	
	W 04/24		Problem Session at normal class time / Review, 1:00pm in _____	
	H 04/25		Final Exam, 8:00am	