

ECE 3600 Spring Semester 2023

01/08/23

Week	Month	Mon	Tue	Wed	Thur	Fri
1	Jan	9 L1 Introduction, Energy sources, generation, & environment	10	11 L2 Hw1 Review of steady-state AC and phasors	12	13 L3 Review of steady-state AC and phasors
2		16 Martin Luther King Day	17	18 L4 RMS, Single-phase AC power	19	20 L5 Single-phase AC power, P, Q, S, S , pf, pf correction
3		23 L6 Single-phase AC power, 3-phase power	24	25 L7 3-phase power, Y- and delta-connections	26	27 L8 3-phase power, balanced systems, efficiency, One-line diagrams
4		30 L9 Electromagnetics, Ideal transformers, Ratings	31	1 L10 Transformation of impedance, Model of the non-ideal transformer	2	3 L11 Non-ideal transformer, tests
5	Feb	6 L12 Transformer voltage reg., Autotransformers, 3-phase, etc.	7	8 L13 Finish transformers, Power system diagrams	9	10 Exam 1
6		13 L14 Per-unit system	14	15 L15 Per-unit system	16	17 L16 Rotational Motion, AC Machinery Fundamentals
7		20 Presidents Day	21	22 L17 Synchronous machines	23	24 L18 Synchronous machines as generators, examples
		27 L19 Placing generator on line, Synchronous machines as motors	28	1 L20 Synchronous motors, pf correction	2	3 L21 3-phase Induction motors,
8	Mar	6 Spring Break	7	8	9	10
9		13 L22 3-phase Induction motors, examples	14	15 L23 3-phase Induction motors, tests	16	17 Exam 2
10		20 L24 Single-phase Induction motors	21	22 L25 DC motors	23	24 L26 DC motors
11		27 L27 DC motors & loads	28	29 L28 DC motors & loads	30	31 L29 Transmission line models and calculations
12	April	3 L30 Transmission line models and calculations	4	5 Exam 3	6	7 L31 Transmission lines, Power System & Power Flow
13		10 L32 Power Flow	11	12 L33 Power Flow, Faults	13	14 L34 Types of faults, The 3 "sequences"
14		17 L35 Faults, Sequence Impedances	18	19 L36 Protection	20 ME Design Day, Union Build.	21 L37 Protection
15		24 L38 Protection	25 Last Day of Classes	26 Reading Day	27 Finals Begin	28
16	May	1	2 ECE 3600 Review	3 3600 Final 3:30 pm	4 Freedom	5