

Week	Month	Mon	Tue	Wed	Thur	Fri
1	Jan	6 L1 Introduction, Energy sources, generation, & environment	7	8 L2 Hw1, Review of steady-state AC and phasors	9	10 L3 Review of phasors, RMS, Single-phase AC power
2		13 L4 Single-phase AC power, P, Q, S, S , pf, pf correction	14	15 L5 Single-phase AC power, 3-phase power, Y and delta connections	16	17 L6 3-phase power, balanced systems, efficiency, One-line diagrams
3		20 Martin Luther King Day	21	22 L7 Electromagnetics, Ideal transformers, Ratings	23	24 Lab 1 (group A) or Gadsby power plant field trip at noon (group B)
4		27 L8 Transformation of impedance, Model of the non-ideal transformer	28	29 L9 Non-ideal transformer, Voltage reg., Autotransformers, 3-ph, etc.	30	31 L10 Per-unit system, One-line diagrams
5	Feb	3 L11 Per-phase, Per-unit	4	5 Exam 1	6	7 Lab 1 (group B) or Gadsby power plant field trip at 3:00pm (group A)
6		10 L12 Rotational Motion, AC Machinery Fundamentals, Synchronous machines	11	12 L13 Synchronous machines as generators, Examples	13	14 Lab 2 A, Transformer model
7		17 Presidents Day	18	19 L14 Placing generator on-line, Sync machines as motors, pf correction	20	21 Lab 2 B, Transformer model
8		24 L15 Sync motor examples, Starting Sync motors, 3-ph Ind. motors	25	26 L16 3-phase Induction motors, examples	27	28 Dispatch Center field trip
9	Mar	3 L17 3-phase Induction motor examples	4	5 Exam 2	6	7 L18 3-phase Ind motor types, tests, Single-phase Induction motors
		10 Spring Break	11	12	13	14
10		17 L19 Single-phase Induction motors, DC motors	18	19 L20 DC motors	20	21 Lab 3 A or Field trip B
11		24 L21 DC motors & loads	25	26 L22 Finish DC motors, Transmission lines	27	28 Lab 3 B or Field trip A
12	April	31 L23 Transmission line models and calculations	1	2 L24 Finish transmission lines, Power Flow	3	4 Exam 3
13		7 L25 Power Flow & example	8	9 L26 Faults	10	11 Lab 4 A, DC motors
14		14 L27 Types of faults, The 3 "sequences"	15	16 L28 Sequence Impedances, Protection	17 ME Design Day, Union Build.	18 Lab 4 B, DC motors
15		21 L29 Protection	22	23 Reading Day, ECE 3600 Review	24	25 ECE3600 Final 3:30 pm
16	May	28	29	30	1 Freedom	2