

Date	Lecture Topics	Lab
01/07	Introduction	No Lab
01/09	Background Theory – Charge & Electric Fields, Voltages & Currents	
01/14	Batteries, Ideal Sources, Simple DC Circuits, Power & Energy	1
01/16	Series Circuits, Kirchhoff's Voltage Law	
01/21	Parallel Circuits, Kirchhoff's Current Law	2
01/23	Equivalent Resistance, Voltage & Current Dividers	
01/28	Series-Parallel Circuits	3
01/30	Thevenin's Equivalent Circuit, Max. Power Transfer Theorem	
02/04	Ground & Node Voltages	4
02/06	Switches & Pushbuttons	
02/11	Inductors & Capacitors	5
02/13	R-L & R-C Transients, Time Constants	
02/18	Review	6
02/20	☺☺☺☺☺ Exam I ☺☺☺☺☺	
02/25	Sinusoidal Sources, AC Circuits	7
02/27	AC Sources – Phasors, RMS Magnitudes	
03/03	Steady-State AC Circuits	8
03/05	Steady-State AC Circuits	
03/10	Steady-State AC Circuits	9
03/12	Power in AC Circuits, Complex Power	
03/17	***** Online Conversion *****	Online Conv.
03/19	***** Online Conversion *****	
03/24	Ideal Transformers	11
03/26	Practical Transformers	
03/31	***** Spring Break *****	Spring Break
04/02	***** Spring Break *****	
04/07	Balanced Three-Phase Systems	12
04/09	Y-connected Sources, Line & Phase Voltages/Currents, Y/Δ Loads	
04/14	☺☺☺☺☺ Exam II ☺☺☺☺☺	13
04/16	3Φ Induction Motors – Construction/Theory	
04/21	3Φ Induction Motors – Operational Characteristics	No Lab
04/23	Closure	
04/30 Th.	Final Exam – TBD	