Course Calendar
(6/3/13 - 8/23/13)

Week	Date	Video Lecture Topics & Assignments	Reading	Due
1	6/3/13	Introduction, Overview	1.1-3	
		Voltage, current, power, energy, passive sign convention	1.4-6	
		Sources, dependent sources, resistors, Ohm's Law	2.1-2	
		Quiz 1/Homework 1a		T, 6/4
		PreLab 1 - Ohm's Law		*W,6/5*
		Lab 1 - Ohm's Law		*R,6/6*
		Homework 1b		F, 6/7
2	6/10/13	Kirchhoff's Voltage Law & Kirchhoff's Current Law	2.4-5	
		Resistors in series and parallel, Voltage and current divider	3.1-4	
		The Node-Voltage Method	4.1 – 4.3	
		Quiz 2		T, 6/11
		PreLab 2 - Series and Parallel Resistance		*W,6/12*
		Lab 2 - Series and Parallel Resistance		*R, 6/13*
		Homework 2		F,6/14
3	6/17/13	The Node-Voltage Method: Special Cases	4.4	
		The Mesh-Current Method	4.5-6	
		Quiz 3		T, 6/18
		PreLab 3 - Kirchoff's Voltage and Current Laws		*W,6/19*
		Lab 3 - Kirchhoff's Voltage and Current Laws		*R, 6/20*
		Homework 3		F,6/21
		Midterm 1 (up through Lecture 3-2)		*S, 6/22*
4	6/24/13	The Mesh-Current Method: Special Cases	4.7-8	
		Source Transformations	4.9	
		Thevenin and Norton for DC circuits	4.10	
		Quiz 4		T, 6/25
		PreLab 4 - Circuit Theorems		*W,6/26*
		Lab 4 - Circuit Theorems		*R, 6/27*
		Homework 4		F,6/28
		Quarter Break (6/29/13 - 7/7/13)		
5	7/8/13	Test sources & Maximum Power Transfer	4.11-12	
		Superposition	4.13	
		Op amps: Ideal model, inverting, summing	5.1-4	
		Quiz 5		T, 7/9
		Lab 5 - Practical Test 1		*R, 7/11*
		Homework 5		F, 7/12
6	7/15/13	Op amps: non-inverting & difference	5.5-6	HW 5
		Inductors and capacitors	6.1-2	
		Quiz 6		T, 7/16
		PreLab 6 - Op-Amp Measurements		*W,7/17*
		Lab 6 - Op-Amp Measurements		*R, 7/18*
		Homework 6		F,7/19
		Midterm 2 (up through Lecture 6-1)		*S, 7/20*
7	7/22/13	Series-Parallel combinations of inductors and capacitors	6.3	
		Sinusoids, RMS, Phasors	7.1-3	
		Impedances, KVL, KCL	7.4-5	
		Quiz 7		T, 7/23
		PreLab 7 - AC Measurements		*W,7/24*
		Lab 7 - AC Measurements		*R, 7/25*
		Homework 7		F,7/26
8	7/29/13	KVL, KCL, Series-Parallel Impedances	7.5-6	
		Source transformations, Thevenin and Norton for AC circuits	7.7	
		AC node-voltage & mesh-current methods	7.8-9	
		Quiz 8		T, 7/30
		Pre-Lab 8 - AC Circuits		*W, 7/31*
		Lab 8 - AC Circuits		*R, 8/1*
		Homework 8		F,8/2
9	8/5/13	Instantaneous Power, Average and Reactive Power	8.1-2	
		RMS value, Power Calculations	8.3	
		Quiz 9		T, 8/6
		Pre-Lab 9 - AC Power		*W, 8/7*
		Lab 9 - AC Power		*R, 8/8*
		Homework 9		F,8/9
		Midterm 3 (up through Lecture 9-1)		*S, 8/10*
10	8/12/13	Complex power, Power triangle	8.4	
		Complex power calculations, maximum power transfer	8.5-6	
		Quiz 10		T, 8/13
		Lab 10 - Practical Test		*R, 8/15*
		Homework 10		F, 8/16
11	8/19/13	*Final Exam Due Friday, 8/23/13 by 11:59 p.m.*		*F, 8/23*