Course Calendar

Class	Day	Date	Topic	Lab	Due
1-1	R	9/1	1.1 - 1.2: Review of Electrical Systems	--	
1-2	M	9/5	1.2 - 1.3: Node-voltage method, Phasors	Lab 1 - Nodal analysis, Capacitor, Inductor Model	Quiz 1
1-3	T	9/6	1.3 - 1.5: Sinusoidal Steady State		
2-1	R	9/8	1.4 : AC Power		HW 1
2-2	M	9/12	1.5: AC Power	Lab 2 - Phasor Measurements	Quiz 2
2-3	T	9/13	2.1 - 2.2: Three-phase power		
3-1	R	9/15	2.3 - 2.4: Three-phase power		HW 2
3-2	M	9/19	3: Transformers	Lab 3 - AC Power, PF Correction	Quiz 3
3-3	T	9/20	4.1: Machines		
4-1	R	9/22	***Midterm 1 (up through Lecture 3-2)***	--	HW 3
4-2	M	9/26	4.2 - 4.3: Induction Motor	Lab 4 -Transformer	Quiz 4
4-3	T	9/27	4.4 - 4.5: Induction Motor	Lab 5 - Induction Motor	
5-1	R	9/29	5.1 - 5.3: Electromagnetics	Lab 6 - Electromagnet	HW 4
5-2	M	10/3	5.3 - 5.5: Electromagnetics	Lab 7 - Time-domain response	Quiz 5
5-3	T	10/4	6.1: Time domain response		
6-1	R	10/6	6.2 - 6.3: System Characteristics		HW 5
6-2	M	10/10	7.1 - 7.2: dB, Bode Plots	--	Quiz 6
6-3	T	10/11	***Midterm 2 (up through Lecture 6-1)***	--	HW 6
			FALL BREAK (10/13/11 - 10/16/11)		
7-1	M	10/17	7.3: Closed-loop systems	Lab 8- Op-Amp, 2nd order system, closed loop system	Quiz 7
7-2	T	10/18	7.4: Bandwidth		
7-3	R	10/20	7.5 - 7.6: Closed-loop examples		HW 7
8-1	M	10/24	8.1: Signals	Lab 9 - Filters	Quiz 8
8-2	T	10/25	8.2-8.3: Filters		
8-3	R	10/27	9.1 - 9.3: Noise Coupling		HW 8
9-1	M	10/31	9.4-9.5: Shielding	Lab 10 - Magnetic coupling, strain gauges	Quiz 9
9-2	T	11/1	10.1: Strain gauges		
9-3	R	11/3	***Midterm 3 (up through Lecture 8-3)***	--	HW 9
10-1	M	10/31	10.2: Resistance temperature detectors (RTD)	Lab 11 - RTDs and Thermocouples	Quiz 10
10-2	T	11/1	10.3: Thermocouples		
10-3	R	11/3	Review and Wrap up	--	HW 10