ECE 210 SCHEDULE

Week		Date		Lecture Schedule	Text Sections	HW	Lab schedule	(4:30-6:30)
1	Tue	5-Sep			1.0-1.4 & University Physics Vol 2, pp385-394, 293-			
	Wed	6-Sep		charge, current, voltage, energy				
	Thu	7-Sep						
	Fri	8-Sep		Sources, signals, average	1.7,1.8			
2	Mon	11-Sep		Signals, RMS	1.7,1.8	HW1 (Charge, power)	Lab 1 AC signals (Signal generator and Oscilloscope)	
	Tue	12-Sep						
	Wed	13-Sep		Power; Asso. Var. Conv.	1.5, 1.6			
	Thu	14-Sep						
	Fri	15-Sep		Asso. Var. Conv.	1.5, 1.6			
3	Mon	18-Sep		Kirchoff's laws	2.1,2.2	HW2 (Signals, Simple circuits)	Lab 2 Resistors in Series and Parellel, voltage divider and current divider.	
	Tue	19-Sep						
	Wed	20-Sep		Simple circuit analysis	2.3,2.4			
	Thu	21-Sep						
	Fri	22-Sep		Nodal analysis preparation	3.1-3.4			
4	Mon	25-Sep		Nodal Analysis	3.1-3.4	HW 3 (Nodal Analysis)	Computation Lab 3 - LTSpice tutorial and nodal analysis	
	Tue	26-Sep						
	Wed	27-Sep		Supernode/superposition	3.5			
	Thu	28-Sep						
	Fri	29-Sep		Superposition/Thevenin equivalents	3.5-3.6			
5	Mon	2-Oct		Thevenin/Norton equivalents	3.6	HW 4 (Node and superpositior	Lab 4 Soldering Thevenin circuit	
	Tue	3-Oct						
	Wed	4-Oct		Dependant source	2.6,3.3			
	Thu	5-Oct						
	Fri	6-Oct		Review				
6	Mon	9-Oct	Holiday					
	Tue	10-Oct	Midterm	Midterm		HW 5 part 1		
	Wed	11-Oct		Opamp intro	15.1-15.2			
	Thu	12-Oct						
	Fri	13-Oct		Opamp circuits	15.3			
7	Mon	16-Oct		Capacitor intro	9.1-9.2	HW 5 part 2	Lab 5 Op-amps - inverting and non-inverting (breadboard)	
	Tue	17-Oct						
	Wed	18-Oct		RC circuit intro	10.1			
	Thu	19-Oct						
	Fri	20-Oct		Solving RC circuits	10.1-10.2			
8	Mon	23-Oct		RC circuits & intro to inductor	9.1-9.2	HW 6 part 1	Lab 6 Op-amp circuits + RC circuits: Square wave generator and filters for sinewave generation	
	Tue	24-Oct						
	Wed	25-Oct		RL Circuits	10.2			
	Thu	26-Oct						
	Fri	27-Oct		RL & RC circuits II				
9	Mon	30-Oct		RLC circuits: overdamped	12.1-12.4	HW 6 part 2	Lab 7 RLC circuits - damped transient response	
	Tue	31-Oct						
	Wed	1-Nov		RLC:underdamped	12.5,12.7			
	Thu	2-Nov						
	Fri	3-Nov		RLC ciritical underdamped & non-dri	12.2,12.5			
10	Mon	6-Nov		Intro to MOSFET & SR model	6.1-6.3, 6.6-6.8	HW 7 part 1	Computation Lab 8 - NMOS and CMOS inverters	
	Tue	7-Nov						
	Wed	8-Nov		MOSFET inverter, transfer curve	6.5, 6.9.3, 6.9.4			
	Thu	9-Nov						
	Fri	10-Nov		CMOS invertor, dynamics & power	6.10; 11.1-11.3, 11.5			
11	Mon	13-Nov		CMOS delay	10.4	HW 7 part 2	Lab 9 NMOS, PMOS, CMOS	
	Tue	14-Nov						
	Wed	15-Nov		Review				

	Thu	16-Nov		Midterm II			inverter
	Fri	17-Nov		NMOS SCS models	6.3, 6.7,7.3		
12	Mon	20-Nov					
	Tue	21-Nov	Thanksgiving				
	Wed	22-Nov	Thanksgiving				
	Thu	23-Nov	Thanksgiving				
	Fri	24-Nov	Thanksgiving				
12	Mon	27-Nov		N/PMOS SCS models	6.3, 6.7,7.3	HW 7 part 3	Computation Lab 10 - MOSFETs
	Tue	28-Nov					
	Wed	29-Nov		Diodes intro	4.1-4.4,16.3		
	Thu	30-Nov					
	Fri	1-Dec		Diodes circuits	4.1-4.4,16.3		
13	Mon	4-Dec		CMOS + diode circuits	Note	HW 7 part 4	Lab 11
	Tue	5-Dec					
	Wed	6-Dec		CMOS &/ diode circuits II	Note		Diode and NMOS MOSFET - IV curves
	Thu	7-Dec					
	Fri	8-Dec	last day	Review			
	Mon	11-Dec	Finals				
	Tue	12-Dec					
	Wed	13-Dec					
	Thu	14-Dec					
	Fri	15-Dec	Last final				
	Sat	16-Dec					
	Tue	19-Dec					
	Wed	20-Dec					
	Thu	21-Dec	Grades due				
	Fri	22-Dec					