

## EECS70A Spring 2008 (Burke)

Note: Discussion topics will be grouped as follows: W/Th/F will cover the lecture from the same week.

<b>Week</b>	<b>Tuesday</b>	<b>Thursday</b>	<b>Discussion</b>	<b>HW (due Friday @ discussion 2:50 PM)</b>
1	Introduction	Ch 1: Units, charge, current, voltage, power, sources (batteries). Pp 3-23	Current concept Ex. HW 1 probs	
2	Ch 2: Resistance, resistivity, conductance, conductivity, Ohm's law pp. 29-35	Kirchoff laws; series/parallel resistance pp. 37-42	Example HW 2 probs (application of KCL, KVL)	1.1,1.6,1.8,1.9.1.22,1.24
3	Series/parallel resistance pp. 43-52	Ch 3 Nodal/mesh analysis pp. 81-100	Kramer's rule (theory & examples) Meters Example equivalent resistance calculations	2.1,2.3,2.5,2.9,2.12,2.18,2.43,2.45
4	Midterm #1 (Covers chs. 1-2)	Ch. 4 Thevinin/Norton Theorems, power transfer pp. 139-152	3.2,3.4,3.5,3.11,3.13, 3.15,3.18,3.19,3.51,3.56,3.69,4.39,4.45,4.72	None due this week (midterm)
5	Ch. 5 Op Amps pp. 176-194	continued	5.10, 5.25, 5.84, 5.47	3.1,3.3,3.6,3.35,3.36, 3.68,4.33,4.34,4.84,4.85
6	Ch6 Capacitors/Inductors series/parallel pp. 215-241	Ch 7 RC, RL circuits pp. p254-284	Ch 6 conceptual problems: 6.5, 6.6, 6.10, 6.11	5.1, 5.9, 5.17, 5.34, 5.39, 6.21, 6.23, 6.51, 6.52
7	continued	Midterm #2 (covers chs. 1-6)	7.7,7.11,7.41,7.59	None due this week (midterm)
8	Ch 8 RLC circuits pp 314-344	continued	8.16, 8.25, 8.35, 8.48	7.4,7.5,7.12,7.17,7.44,7.54
9	Ch 9 Sinusoids and phasors pp. 369-402	continued	9.37, 9.41, 9.47, 9.56	8.17, 8.24, 8.34, 8.46, 8.57
10	Ch 14 Phasors, pp. 613-642	continued	14.7, 14.8, 14.9	9.49,9.57,9.38,9.64, 14.48,14.50
Finals	COURSE FINAL EXAM			