

EECS70A Spring 2009 (Burke)

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

Week	Tuesday	Thursday	Discussion	HW cover (due in discussion section)
1	Introduction	Ch 1: Units, charge, current, voltage, power, sources (batteries). Pp 3-23	Current concept Ex. HW 1 probs. (Th, Fr W1, Wed W2)	
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) (Th, Fr W2, Wed W3)	Ch. 1: 1.1,1.6,1.8,1.9.1.22,1.24 Due: Fri 2 nd week
3	Series/parallel resistance & examples pp. 43-52	Ch 3 Nodal/mesh analysis pp. 81-100	Kramer's rule (theory & examples) Meters (Th, Fr W3, Wed W4)	Ch. 2: 2.3,2.5,2.9,2.12,2.18, 2.43,2.45 Due: Friday 3 rd week
4	Midterm #1 (Covers chs. 1-2)	Ch. 4 Thevinin/Norton Theorems, power transfer pp. 139-152	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 (Th, Fr W4, Wed W5)	None due this week (midterm)
5	Ch. 5 Op Amps pp. 176-194	continued	5.10, 5.25, 5.84, 5.47 (Th, Fr W5, Wed W6)	3.2,3.3,3.6,3.35,3.36, 3.69,4.33,4.36,4.84,4.85 Due: Fri 5 th week
6	Ch6 Capacitors/Inductors series/parallel pp. 215-241	Ch 7 RC, RL circuits pp. 254-284	6.5, 6.6, 6.10, 6.11 (Th, Fr W6, Wed W7)	5.1, 5.9, 5.17, 5.34, 5.39, Due: Fri 6 th week
7	continued	Midterm #2 (covers chs. 1-5)	7.7,7.11,7.42,7.59 (Th, Fr W7, Wed W8)	6.21, 6.51, 6.55a Due: Fri 7 th week
8	Ch 8 RLC circuits pp 314-344	continued	8.16, 8.23, 8.36, 8.48 (Th, Fr W8, Wed W9)	7.4,7.13,7.17,7.44,7.54 Due: Fri 8 th week
9	Ch 9 Sinusoids and phasors pp. 369-402	continued	9.37, 9.41, 9.47, 9.56 (Th, Fr W9, Wed W10)	8.17, 8.24, 8.34, 8.47, 8.57 Due: Fri 9 th week
10	Ch 14 Phasors, pp. 613-642	continued	14.7, 14.9, 14.11 (Wed, Th, Fr W10)	9.49,9.57,9.38,9.64, 14.48,14.50 Due: Fri 10 th week
Finals	COURSE FINAL EXAM			