

## Physics 202 Fall 1997 Syllabus

Problems in Halliday, Resnick and Walker, *Fundamentals of Physics*, 5th edition. Labs in Rollefson and Richards, 1996 edition.

Week	Date	Chapter	Problems	Lab
1	Sept 2 Sept 4	22 Electric Charge 23 Electric Field	22:1,11,14,22,23,38 23:5,19,30,41,50,58	no lab
2	Sept 9 Sept 11	24 Gauss' Law 25 Electric Potential	24:2,17,20,23,25,45 25:3,7,11,27,49,51	E-1 Electroscope
3	Sept 16 Sept 18	25 Electric Potential 26 Capacitance	25:32,55,63,67,78,83 26:3,15,42,58,61,66	E-2 Electric Fields
4	Sept 23 Sept 25	27 Current Review	27:5,11,13,20,54,55	E-3 Capacitors/RC-decay
	Sept 29	Exam 1 Chap. 22-26		
5	Sept 30 Oct 2	28 Circuits 29 Magnetic Field	28:9,14,23,32,57,71 29:5,12,34,46,57,64	Makeup
6	Oct 7 Oct 9	30 Ampere's Law 31 Faraday's Law	30:15,24,39,47,61,66 31:3,21,22,25,32,40	E-6 Electron e/m
7	Oct 14 Oct 16	31 Inductance 32 Magnetism	31:50,56,57,61,81,89 32:13,10,21,28,32	E-7 EM Induction
8	Oct 21 Oct 23	32 Maxwell's Equations Review	32:37,39,47,51	E-8 Oscilloscope/Diff. Amplifiers

	Oct 27	Exam 2 Chap. 27-32		
9	Oct 28 Oct 30	17 Waves 18 Waves	17:13,24,34,38,48,56 18:9,17,53,63,81,91	Makeup
10	Nov 4 Nov 6	33 EM Oscillations 33 Alternation Currents	33:6,7,18,25,34,44 33:53,59,62,75,83,87	S-1,S-3 Standing Waves, Speed of Sound
11	Nov 11 Nov 13	34 EM Waves Review	34:2,8,14,17,39,50	E-9 AC Circuits
	Nov 17	Exam 3 Chap. 17,18,33-34.6		
12	Nov 18 Nov 20	34.7-35 Optics 36 Interference	34:64,65,80,86;35:?? 36:15,34,39,54,64,75	E-10 Transistors
13	Nov 25 Nov 27	37 Diffraction Thanksgiving	37:9,15,23,34,36,42	make-up
14	Dec 2 Dec 4	37 Diffraction 38 Relativity	37:53,55,61,70,75,81 38:1,7,9,16,19,24	L-2 Mirrors and Lens
15	Dec 9 Dec 11	38 Relativity Review	38:31,38,40,49,56,58	L-1 Diffraction and Interference
	Dec 14	Final Chap. 17,18,22-38		