

PHYSICS 202, Summer 1995

Week	Topic	text	Exam	Lab
1	6/19	Waves in general	17.1-9	
	20	waves on strings	17.8-13	
	21	Sound waves	18.1-8	
	22	Doppler shift, interference	18.1-8	W } S1, S2 R }
2	26	Electric forces, field	23.1-7, 24.1-3	
	27	Electric field, potential	24.1-9	M } E1, E2 T }
	28	Potential	26.1-11	None
	29	Gauss law	25.1-11	R Ex1
3	7/5	Gauss law, conductors	25.1-11	M } E1, E2 T }
	6	Capacitance and resistance	27.1-5, 28.1-6	V } E4 R }
4	10	Dielectrics	27.6-8	M } E3 T }
	11	Kirchoff laws, emf	29.1-8	
	12	Circuits	29.1-8	W } E5 R }
	13	Relativity	ch. 42	R Ex2
5	17	Relativity, magnetic field	ch 42, 30.1-2	
	18	magnetic field	30.1-9	M } E6 T }
	19	Ampere's law	31.1-7	W } E7 R }
	20	Faradays law	32.1-6	
6	24	RLC circuits	32.6, 33.1-6	
	25	Generators, induction	33.1-6, 35.2-4	M } E8 T }
	26	AC circuits	35.2-7, 36.1-6	W } None R }
	27	AC circuits, radiation	36.1-6	R Ex3
7	31	radiation, Maxwell equations	37.2-5, 38.1-2	
	8/1	Optical properties of light	38.2-8	M } E9 T }
	2	Snell's law	39.1-5	W } L2 R }
8	3	mirrors / lenses	39.5-11	
	7	lenses, interference	39.5-11, 40.1-2	
	8	interference	40.1-6	M } L1 T }
	9	Diffraction	41.1-7	W } None R }
	10	Overview	chapters 37-41	R Ex4

Best 3 out of 4 exams

75%

Lab (all experiments must be done to pass)

20%

Homework

5%