

University of Wisconsin
Physics 202 Schmidt, Summer 1997

Text: Fundamentals of Physics; Halliday, Resnick and Walker, any edition.

Lecture	Topic	Text	Exam	Lab
1	waves I	14.1-14.7		
2	waves II	15.1-15.7		
3	sound			S1,S3
4	Doppler shift, transmission			S1,S3
5	electric forces	22		E1
6	electric field	23		E1
7	potential	25		
8	Gauss law I	24	I	
9	Gauss law II	24		E2
10	conductors	26		E2
11	capacitance			E3
12	resistance	27		E3
13	dielectrics	26		Review
14	Kirchoff's laws	28		Review
15	circuits I			
16	circuits I, relativity	40	II	
17	relativity II	40		E6
18	magnetic field	29,32		E6
19	Ampere's law	30		E7
20	Faraday's law	31		E7
21	RLC circuits	33		E8 A,B
22	induction	34		E8 A,B
23	AC circuits I	34		E9
24	AC circuits II	34	III	E9
25	EM radiation	35		L8
26	Optics	36		L8
27	Snel's law	37		L2
28	mirrors, lenses	37		L2
29	Young's exp.	37		L1
30	interference	38		L1
31	diffraction	39		
32	gratings	39	IV	