

Spring 2015 – PHYSICS 122 – R.Sonnenfeld

SCHEDULE

Wk	Dates	Class Topic	Reading (during week)	Lab.
1	01/13-01/15	Vectors	Chp 3	NONE
2	01/20-01/22	Ray Optics	Chp 23	Refraction Dispersion, Polarization
3	01/27-01/29	Traveling Waves	Chp 20	Geometric Optics
4	02/03-02/05	Superposition	Chp 21	Standing Waves
5	02/10-02/12	Wave Optics	Chp 22	Interference and Diffraction
6	02/17-02/19	EXAM #1 (Waves/Optics) Coulomb's Force Law	Chp 25	Coulomb's Law and E-field
7	02/24-02/26	Electric Field	Chp 26	Oscilloscope
8	03/03-03/05	Electric Potential	Chp 28	EM Wave velocity
9	03/10-03/12	EXAM #2 (Force/Field/Pot.) Potential, Field, Energy	Chp 29	E-field and Potential
10	03/17-03/19	SPRING BREAK
11	03/24-03/26	Current and Resistance	Chp 30	Capacitors
12	03/31-04/02	Circuits	Chp 31	Ohm's Law
13	04/07-04/09	Magnetic Field	Chp 32	Kirchoff's Laws
14	04/14-04/16	Exam #3 (Circuits, Mag Field) Field and Induction	Chp 32/33	Magnetic Forces
15	04/21-04/23	Electromagnetic Induction	Chp 33	Faraday's Law
16	04/28-04/30	Dead Week	...	NONE
	05/02-05/07	Exam #4 (Cumulative + Chapter 33)	...	