

Spring 2016 – PHYSICS 122 – S. Gjorgjievska

SCHEDULE

Wk	Class Topic	Reading	Lab.
1 – Jan 18	Ray Optics	Chp 32,33	NONE
2 – Jan 25	Waves	Chp 15, 16	Snell's Law
3 – Feb 1	Interference	Chp 16	Geometric Optics
4 – Feb 8	Diffraction	Chp 34	Standing Waves
5 – Feb 15	Electric Charges Force and Field	Chp 21	Interference and Diffraction
6 – Feb 22	EXAM #1 (Optics) Gauss's Law	Chp 22	Oscilloscope
7 – Feb 29	Electric Potential	Chp 23	Velocity of EM Waves
8 – Mar 7	Capacitors	Chp 24	Electric Field (CL)
9 – Mar 14	SPRING BREAK		
10 – Mar 21	EXAM #2 (Charge/Force/Field/Pot.) Current and Resistance & Circuits	Chp 25, 26	Equipotentials
11 – Mar 28	Magnetic Forces	Chp 27	Capacitors
12 – Apr 4	Magnetic Field and Sources	Chp 28	Ohm's Law
13 – Apr 11	Magnetic Induction Faraday's Law	Chp 29	Kirchhoff's Law
14 – Apr 18	Inductors Electromagnetic Induction	Chp 30	Magnetic Forces
15 – Apr 25	Maxwell's Equations EM Waves	Chp 31	Faraday's Law
16 – May 2	Exam #3 (Circuits, Mag Field, Induction) Review	Chp ?	NONE
17 – May 9	Final Exam (Optional, cumulative)	...	