

PHYSICS 1202: GENERAL PHYSICS FOR MAJORS

TENTATIVE SCHEDULE: SPING 2008

Note: This schedule is tentative and subject to adjustment as we go along. However, it does represent the earliest we are likely to get to any subject in the book. Also, there will be sections of the book we skip. We will try to announce these in advance but it certainly won't hurt you to have read any of them. At the end of each class I will try to outline the material to be covered the following class unless it is simply a continuation of the current material.

Week:	Chapters:	Topic(s):
1/14	13	Gravity
1/21	13 and 21	Gravity and Electricity
1/28	22 and 23	Electric Fields
2/4	24	Electric Potential
2/11	24 and 25	Electric Potential and Capacitance
2/18	26 and 27	Electric Current and DC Circuits
2/25	28	Effects of Magnetic Fields
3/3	29	Sources of Magnetic Fields
3/10	30	Faraday's Law
3/24	30	Inductance
3/31	31	AC Circuits and Oscillations
4/7	32 and 33	Maxwell's Equations and EM Waves
4/14	33 and 34	Geometric Optics
4/21	25	Interference
4/38	26	Diffraction

PROBLEM SESSIONS

We will hold regular problem sessions for help on HW and/or questions on any of the material each Wednesday at 5:30pm and Friday at 9:30am. You are encouraged to attend one or both if you need help. On the Fridays after an exam we will try to schedule faculty members to talk about the research programs in the department in various areas of physics. Working with a research group at some point during your undergraduate career is indispensable training, especially if you plan to go to graduate school, and these sessions

will help you to get involved.