

UNIVERSITY of PENNSYLVANIA

School of Arts and Sciences
Department of Physics and Astronomy

PHYSICS 141/151 - Fall, 2006

Lectures:

Four hours are scheduled each week (Monday, Wednesday, and Friday at 11:00 AM and Wednesday at 3:00 PM in DRL A2) for a combination of lecture and recitation. A fifth hour (Thursday at 5:00 PM in DRL A1) will be used for examinations and for a few lectures on the work in the Physics 151 laboratory. There will be three "mid-term" examinations in the course. These will be at 5:00 PM on October 5, November 2, and November 30, 2006. The final examination is tentatively scheduled from 6:00 AM to 8:00 PM on Tuesday, December 19, 2006. In addition to the examinations there will be a short quiz most weeks except exam weeks. Homework will be regularly assigned, but will not be collected or graded. Solutions to the assigned problems will be provided shortly after they are "due." Although your work on the homework problems will not have any direct influence on your grade in the course, most students who have neglected the homework assignments in the past have encountered significant difficulties on the examinations.

Text:

The text for the course is the Volume 2 of the 11th edition of Sears and Zemansky's University Physics by Young and Friedman (Addison Wesley 2004). I hope to cover most of the material in the text from Chapter 21 through Chapter 36 by the end of the semester

Web:

Course information, homework assignments, and other material will be available at <https://courseweb.library.upenn.edu/>.

Grades:

The weight given to each element of the course is indicated at the right:	Quizzes:	15%
	Midterm 1:	15%
	Midterm 2:	15%
	Midterm 3:	15%
	Final Examination:	40%

Office Hours:

My regular office hours will be from 12:00 PM to 2:00 PM on Fridays. I encourage you to contact me to arrange to meet with me whenever this time is inconvenient for you. The most effective way to make appointments is by e-mail.

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Fall 2006 - Physics 141/151
Tentative Schedule

Week Beginning:	Chapters	Subject
September 4	21	Electric Charge and Force
September 11	21,22	Electric Field
September 18	23	Electric Potential
September 25	24, 25	Capacitors and Electric Current
October 2	26	Electric Circuits
<i>Note: Examination No. 1 – Thursday, October 5 at 5:00 PM</i>		
October 9	27	Magnetic Force
October 16	28	Magnetic Fields
October 23	29	Induction
October 30	30,31	Induction, AC Circuits
<i>Note: Examination No. 2 – Thursday, November 2 at 5:00 PM</i>		
November 6	32	Electromagnetic Waves
November 13	33,34	Geometrical Optics
November 20	34	Optical Instruments
November 27	35	Waves
<i>Note: Examination No. 3 – Thursday, November 30 at 5:00 PM</i>		
December 4	36	More Waves

Note: Final Examination – Tuesday, December 19 at 6:00 PM