

UNIVERSITY of PENNSYLVANIA
School of Arts and Sciences

Department of Physics and Astronomy
PHYSICS 102 - Fall, 2006

Lectures:

The four hours scheduled in DRL A2 on Tuesday, Wednesday, and Thursday will be used for a combination of lecture and recitation. The T and Th. class will meet in DRL A-6 and the W class in DRL A-7. The examinations will be on Thursday September 28, 2006, Thursday, November 2, 2006, and Thursday, November 30, 2006 during the regular class period. The final examination is scheduled from 12:00 PM to 2:00:00 PM on Wednesday December 13, 2006. Please bring a calculator to all exams!!! In addition to the examinations there will be a quiz almost every week. There will be no makeup exams.

Homework problems will be regularly assigned, but will not be collected or graded. Solutions to the assigned homework 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 neglect the homework assignments will encounter significant difficulties on the quizzes and examinations.

Text:

The text for the course is the Volume 2 of the sixth edition of *PHYSICS Principles with Applications* by Douglas C. Giancoli (Prentice Hall, 2005). I expect to cover most of the material in the text by the end of the semester.

Grades:

Quizzes:	10%
Midterms:	15% (each)
Laboratory	10%
Final Examination:	35%

Miscellaneous:

The regular office hours that I will schedule will frequently be inconvenient for many of you. The easiest time to catch me is after lectures. I will also be happy to make appointments to meet with you at mutually-convenient times other than my scheduled office hours. I can be reached most reliably, either to make appointments or to ask questions, by e-mail. Course information and assignments will be posted on the *Blackboard* site for this course.

Gino Segre' 2N1DRL segre@dept.physics.upenn.edu 898-6105

Announcements for the laboratories will be posted on the department's website. . You may find more information through **Academics->Undergraduate->Undergraduate Lab->Schedule** (left margin). The manual for the laboratory will be made available to you online so no purchases need be made. The labs will begin the week of Sept. 18

PHYSICS 102 - Fall, 2006
Tentative, probably optimistic Lecture Schedule

Week Beginning	Chapter in Text	Subject
September 4	16	Electric Field
September 11	17	Electric Potential
September 18	17, 18	Electric Potential, Currents
September 25	19, 20	Circuits, Magnetism
<i>NOTE:</i>		<i>First Examination <u>Wednesday</u>, September 27, 2006</i>
October 2	20, 21	Magnetism, Faraday's Law
October 9	21, 22	Faraday's Law, Electro-Magnetic Waves
October 16	23, 24	Geometrical Optics, Light Waves
October 23	24, 25	Light Waves, Optical Instruments
<i>NOTE:</i>		<i>Second Examination <u>Wednesday</u>, November 1, 2006</i>
October 30	25, 26	Optical Instruments, Special Relativity
November 6	27	Quantum Theory
November 13	28, 30	Atoms, Nuclei
November 20	30, 31	Nuclei, Radiation
November 27	32, 33	Elementary Particles, Astrophysics
<i>NOTE:</i>		<i>Third Examination <u>Wednesday</u>, November 29, 2006</i>
December 4		Catch up, Review
<i>NOTE:</i>		<i>Final Examination at 12:00 PM on <u>Wednesday</u>, December 13, 2005</i>