Physics 0174
Basic Physics for Students of Science and Engineering (Integrated)
Fall Term 2003 (04-1)

Lecturer: Prof. Robert P. Devaty
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Recitation Instructors:
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Text: University Physics (custom edition based on tenth edition) by Hugh D. Young and
Roger A. Freeman, Chapters 1-13, 16-21, 39

Homework: Homework Questions, Exercises and Problems for the week will be assigned. It is your
responsibility to do the homework before the recitation section as preparation for the
quizzes. You are encouraged to collaborate with your classmates on homework if you
find this an effective way to learn, but remember that you will be doing the quizzes and
exams on your own. Although the homework will not be graded, the ability to
understand and solve problems is essential for successful performance on the quizzes and
exams.

Recitation: Your recitation section provides the opportunity to ask questions and discuss the material
in a smaller group. You will also benefit from the alternative viewpoint of the recitation
instructor. The intended format for the recitation is:

- Quick review of recent material (5-10 minutes)
- Questions / discussion / problem solving (25-30 minutes) It is highly desirable that
  most of the recitation period be used for active learning. For example, the recitation
  instructor can break up the group into smaller groups to work on work sheets or
  guided problems.
- Weekly quiz (10-15 minutes)
- Work out quiz, if time permits

Your recitation grade will be based on the quizzes.

Computer-Based Recitation: The computer based recitation will give you experience in applying
computers, using Excel, to explore physics and solve problems. You will belong to a
group of up to three students for this part of the course. Most likely you will not be able
to complete a particular assignment during the recitation period. Please bring a diskette so
that you can take the assignment home. As an alternative, you can send it to yourself
using e-mail or ftp. The completed assignment should be submitted to the Digital
Dropbox under “Tools” on the Courseweb site. If you need a fresh copy of the Excel
assignment, it will be available on the Courseweb site under “Course Documents” after it
is presented in the recitation.
**Examinations:** There will be three preliminary examinations, given during regular lecture periods. The scheduled dates are September 26, October 24 and November 21, all Fridays. The comprehensive final examination is scheduled for Tuesday, December 9, from 2:00 - 3:50 pm.

**Grading:** Each preliminary examination will be worth 100 points. Your lowest score among the three preliminary exams will be dropped. The final examination will be worth approximately 150 points. The recitation grade, based on the quizzes, will be normalized to 50 points. Homework assignments and the computer-based recitations will also contribute. Some (perhaps two) of your lowest quiz scores will be dropped.

**Academic Integrity:**

Students in this course will be expected to comply with the University of Pittsburgh's Policy on Academic Integrity. Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators.

**Disabilities:**

If you have a disability that requires special testing accommodations or other classroom modifications, you need to notify both the instructor and the Disability Resources and Services no later than the 2nd week of the term. You may be asked to provide documentation of your disability to determine the appropriateness of accommodations. To notify Disability Resources and Services, call 648-7890 (Voice or TTD) to schedule an appointment. The Office is located in 216 William Pitt Union.