

# PHYSICS 1B

# SYLLABUS

# WINTER 2007

**TEXT:** *Physics*, Douglas C. Giancoli  
6<sup>th</sup> Edition

**LECTURE:** TR 10:30-11:50am  
66 Roessler

**INSTRUCTOR:**

Prof. Kai Liu, 207 Phy/Geo;  
752-4109; [kailiu@ucdavis.edu](mailto:kailiu@ucdavis.edu)  
Office Hour: W 1:00-2:00pm, 207 Phy/Geo;  
Problem Session: T 5-6pm, 113 Walker Annex

**TEACHING ASSISTANT**

Naomi Luce:  
[nluce@student.physics.ucdavis.edu](mailto:nluce@student.physics.ucdavis.edu)  
Office Hour: W 3:30-4:30pm, 104 Phy/Geo

**COURSE WEBSITE:**

<http://my.ucdavis.edu>: For assignments, solutions, announcements, scores, etc.  
<http://www.physics.ucdavis.edu/faculty/kliu/phy1b/Index.html>: For schedule & lecture notes.

**COURSE REQUIREMENTS:**

THINK about the physics we discuss, of course you have to be awake. Read the textbook before class. Lecture presentations will be posted online before class in pdf format. During class, concentrate on understanding; copying the lecture notes is secondary. I anticipate your involvement and feedback throughout the lecture, in the form of Q/A's, discussions, live experiments, etc. At the end of each class, write a one-minute note, describing what you've learned, what you don't understand, and comment on my pace and teaching style, suggestions, etc. Summarize the lecture for yourself too.

**HOMEWORK AND EXAMS:**

Homework will be assigned but not collected. You are expected to have completed the homework by the quiz date. There will be several 15-min, *closed book and notes* quizzes at the end of lecture on the dates specified. We will drop your lowest quiz score, but no makeup quizzes. The quiz will consist of a few slightly modified homework problems (numbers changed, etc). The homework problems are a very important part of the course and those assigned are considered the bare minimum necessary to understand the course material. A student wanting to get an "A" should expect to work many more problems on his/her own.

There will be a mid-term and a final exam. A brief formula sheet will be provided. Neither makeup exams nor early final will be given. Arrange your travel plan accordingly. The problems in midterm & final will be similar to those in your homework, but may be asked *differently*. Do not expect "plug & play" type of questions. You need to really understand the course materials to solve the problems.

**SCORING**

0 – Blank or junk  
2 – Complete but all wrong  
4 – Method partly correct  
6 – Correct method  
8 – Arithmetic errors or units missing  
10- Correct

**GRADING POLICY:**

Quizzes	35%
Mid-term	30%
Final	35%

For all homework, quizzes, exams, answers must show the basic principles used in the solution. **ANSWERS WITHOUT EXPLANATION WILL NOT RECEIVE CREDIT, EVEN IF CORRECT.** Messy handwritings will receive lower scores. There will be NO change of score after one week of return date.

**FINAL EXAM: SATURDAY, MARCH 17, 10:30AM – 12:30PM**