

PHYSICS 9B Classical Physics, Winter 2007

Text: Sears and Zemansky's University Physics, Young & Freedman, 11th Edition, Vol. 1 & 2. You also need a PRS "clicker" to answer quizzes and questions in the classes. See the course website for more details.

Instructor: Hsin-Chia Cheng, 433 Phy/Geo, cheng@physics.ucdavis.edu

Lectures: MWF 12:10–1:00 PM, 66 Roessler

Office Hours: Problem solving session: Tue 3:10–4:00 PM, 158 Roessler, Office Hour: Mon 3:00–4:00 PM, 433 Phy/Geo

Prerequisites: Phy9A, Math21C, **Corequisites:** Math21D

Discussion Leader: Liam Damewood, damewood@physics.ucdavis.edu
TA's office hour will be posted on the course website.

Reader: Alice Durand, amdurand@ucdavis.edu, Sharon Chang, shschang@ucdavis.edu.

Website:

<http://my.ucdavis.edu> for practice problems, solutions, announcements, scores, etc.

<http://www.physics.ucdavis.edu/~cheng/teaching/9B-w07> for course information

<http://www.physics.ucdavis.edu/Classes/Physics9Lab/Phy9BLab/index.html> for lab information

<https://listproc.ucdavis.edu/class-secure/200701/phy009b-w07> for archived messages to the class mailing list phy009b-w07@ucdavis.edu

Course Requirements: You should be registered in a 9B discussion section and a lab section. You must go to the lab on the first day. If you wish to make any change to your lab, discussion section, or lecture section, you must obtain a PTA from the lab instructor. **If you attempt to make any change to your schedule without a PTA, you will be automatically dropped from the course.**

Failure to pass the lab results in an automatic grade of "F" for the entire course. "High pass" on lab raises your course grade by one step if you already have a passing grade, up to A (e.g., A– to A, but not A to A+). If you have an F grade originally, a high pass can raise it to D– only if you are close to the D– cutoff (within the gap of one step). On the other hand, a "low-pass" lowers your final grade by one step, down to D– (e.g., D to D–, but not D– to F).

You are required to attend the Discussion sections and you should also actively participate in the discussion sections. You will be asked to form groups to solve problems provided by the discussion leader. The Discussion sections will be graded as "high-pass," "pass," or "low-pass." and they count as bonus points. More information will be provided by the discussion leader.

For each lecture, there will be a reading assignment which you should read BEFORE the lecture. **At the beginning of each class, there will be a brief, closed book quiz on the reading, so it's important that you come to class on time. You need to use the PRS clicker to answer the quizzes.** Everyone should have his/her own clicker. You cannot share a clicker with someone in the same class. The answers will not be recorded correctly if you do so. You are also responsible to remember bringing the clicker to the class and make sure that the clicker has your correct student ID in it. Your answers will not be recorded if your clicker has the wrong student ID in it. No credit will be given even if you get the right answer in that case. Three lowest scores of the reading quizzes will be dropped from the final grade. The reading quizzes count 14% of your final grade.

There will be about 8 homework assignments. The problems and due dates will be posted on the course website. They are due in the beginning of the class. No late homework will be accepted for any excuse. Typically only one or two problem(s) will be graded for each set, but some credits will be given for attempting all the problems. One lowest score of the homework will be dropped from the final grade. Homework solutions will be posted on the MyUCDavis website.

There are 2 midterm and a final exams. **There will be no make-up exams**, so do not make travel plans on those dates. The exams are closed book. You are allowed to bring one 8.5" × 11" sheet of notes and a calculator. Cell phones, PDAs, and laptop computers are not allowed. You also need to bring your own bluebooks for the exams.

There are bonus points based on your participations in Discussion sections and in-class questions, up to 5% each. (5% will be awarded for a "high-pass" in the Discussion section, 2.5% for "pass," and 0% for "low-pass.") The bonus points for in-class clicker questions will be based on how many questions you answered but not on whether you got the correct answers.

Grading:

Reading quizzes	14%
Problem sets	20%
Midterm I	18%
Midterm II	18%
Final	30%

Bonus: up to 5% for Discussion and up to 5% for in-class questions

Final grades will be curved. The cutoffs for A-, B-, and C- will roughly correspond to mean + 1 standard deviation, mean, and mean - 1 standard deviation respectively.

Schedule: Please check the course website for any update.

Other information

If you have not already done so please review the UC Davis Code of Academic Conduct at <http://sja.ucdavis.edu/cac.html>.

If you need to document a learning disability contact the Student Disability Center at <http://sdc.ucdavis.edu/>.