

UC Berkeley Physics Department
Physics 8B Course Information
Spring 2014, Lecture 2

Lecture: Tuesday/Thursday 11:00-12:30PM, 1 Pimentel

Instructor: Achilles Speliotopoulos (ads@berkeley.edu)

Office Hours: M 10 – 11, Th 9:30 – 10:30, F 9:00-10:00, by arrangement

Office Hrs Location: 386 LeConte

Course Website: bspace

Exam Info:

Midterm 1: March 6th

Midterm 2: April 17th

Midterms will be 2hr exams between 6pm-9pm; the exact block has not been determined.

Final: May 15, 8-11am

You must take the final exam to pass the course.

Head GSI: Chien-I Chiang (cosmoaurora@gmail.com)

The head GSI's office hour is on Monday 11:30-12:30 at 101 LeConte. Also feel free to email the head GSI if you have questions, just make sure to have 8B and your section number in the subject of your email.

Attendance in the first two weeks:

Be there! You must attend all of your discussion and lab sections during the first two weeks. This includes sections that meet before the first lecture. Otherwise, you will be dropped from the course.

Enrollment Changes:

Please see the Section Trading Policy posted on bSpace in Resources/Course Infos and Policies for specifics and rules.

Early Drop Deadline: January 31st

8B Course Center:

101 LeConte, for GSI office hours and for working with other students. You may attend the office hour of any GSI. The office hour schedule is posted on bspace.

Texts:

Essential University Physics (with Masteringphysics access code) vol. 2 by Wolfson, 2012

Physics 8B Student Learning Handbook by Jacobsen, 2011

Grading:

Midterm 1:	20%
Midterm 2:	20%
Final Exam:	40%
Homework:	10%
Labs:	5%
Quizzes:	5%

Grades will be assigned according to the Department of Physics Grading Policy: Approximately 25% of the registered students in the class will receive an "A"; 40% will receive a "B"; 35% will receive a "C"; and a small number of students will receive a "D" or "F".

In accordance with University policy, an "Incomplete" for the course will only be given under circumstances beyond a student's control, and only when work already completed is of at least C quality.

Make-up labs:

You must complete seven of the nine labs to pass the course. For the detailed explanations on labs and the policy on making up a missed lab, please see the document Lab Policy on bSpace in Resources/Course Infos and Policies.

To account for differences between how different GSIs grade laboratories, at the end of the semester your lab grades may be adjusted up or down so that the average lab grade in each laboratory section are the same.

Readings:

Be prepared for lecture and section by reading the assigned sections in advance. Lectures and sections both assume that some of the basic material has been learned from the text already; you will be at a significant disadvantage if that's not true. Reading assignments are on bspace.

Homework:

You will have a weekly problem set of varying difficulty, due Fridays at 11PM. We will drop your lowest homework score. Homework submitted after the deadline will receive reduced credit, and homework received much after the deadline will not receive any credit.

Homework Subscription:

All of our homework will be done through an internet subscription service, Mastering Physics. You can register for your Mastering Physics subscription by either purchasing a registration card along with your textbook, or online at the Mastering Physics site. Duplicate subscriptions will be deleted. Your subscription SID must match your actual UC Berkeley SID to receive homework credit for the course. You can log on to our homework service at this address: <http://www.masteringphysics.com>

To log in to Mastering Physics, you need:

- Student Access Code: purchase at the bookstore or on the Mastering Physics website

- Student ID: your 8-digit Cal student ID
- Course ID: PHYSICS8BLEC2SP2014
- UC Berkeley Zip Code: 94720

Quizzes:

Five quizzes will be given during discussion sections during the semester. The quizzes will be short, and are meant to give you feedback on the degree of understanding that you have of the material covered. Your quizzes will be primarily graded on your solutions, not your answers. Your solutions must clearly demonstrate your reasoning with words, diagrams, and equations. The quizzes are intended to give you practice working out exam-style solutions. The quizzes are closed book, but you will be allowed a cheat sheet. **There will be NO makeup quizzes.**

To account for differences between how different GSIs grade quizzes, at the end of the semester your quizzes grades may be adjusted up or down so that the average quiz grade in each discussion section are the same.

Exams:

A Cal ID with your picture is required at all exams. On the first midterm you may bring handwritten notes written on both sides of one-half of an 8.5x11 sheet of paper; on the second exam you may bring both sides of one sheet of 8.5x11 paper, and on the final, one and one-half sheets. We will provide necessary constants on the exam itself. Cell phones, and all other electronic devices used for communication, are forbidden. ***Calculators are not allowed on the exams.***

You are required to take all exams. In the event of a significant emergency, i.e. non-trivial illness, death in the family, etc, you should contact me before the exam, or if this is impossible, immediately after the exam. ***The GSI's cannot excuse you from the exam.*** You will be required to provide documentation for your emergency, i.e. a doctor's note, etc.

Accommodations:

If you need disability-related accommodations in this class, if you have emergency medical information you wish to share with the instructor, or if you need special arrangements in case the building must be evacuated, please inform the head GSI immediately.

If you are in trouble (behind in homework, doing worse in the course than you would like, etc.) for whatever reason, please let us know. We'll find a way to help!