

University of California, Berkeley, Department of Physics
Physics 7A, Lecture Section 2
Course Information Sheet, Fall 2020

Flipped Classroom Instructor	Lecture Info	Instructor Office Hours
Matthias Reinsch Office: 386 LeConte Email: mreinsch@berkeley.edu	see bCourses	Wednesday 9:10 – 10:00 AM Friday 11:10 – 12:00 Noon Same Zoom info as for lecture.

Graduate Student Instructor Information:

See bCourses

Course Webpage:

bcourses.berkeley.edu

Prerequisites:

MATH 1A is a prerequisite. MATH 1B should be taken concurrently.

Texts:

- D. C. Giancoli, *Physics for Scientists and Engineers*, Volume 1 (custom edition for the University of California, Berkeley), 4th edition. This is a **required** text.
- For the other items, see <https://classes.berkeley.edu/content/2020-fall-physics-7a-002-lec-002>

Exams and grades: There will be two midterm examinations and a final exam. No Zoom proctoring.

Midterm 1: 8:00 and 10:00 p.m. on September 29, 2020 (I did not choose this date)

Midterm 2: 8:00 and 10:00 p.m. on November 3, 2020 (I did not choose this date)

Final Exam: See official schedule

The Midterm Exam dates were chosen by the University. This may have been done some years ago. Please let me know if this conflicts with a Religious Holiday or a Religious Observance. We will resolve problems with the exam dates within the first two weeks of the course. Furthermore, for each exam we will have one alternative exam time, probably 12 hours later.

I hope you enjoy percentages, because here we go with the grade calculation:

Your higher midterm exam score	26.7%
Your lower midterm exam score	13.3%
Final exam	30.0%
Homework	20.0%
Laboratory	5.0%
Discussion Section Quizzes	5.0%

If the following results in a better score for you, we will use that score (in other words, Flipped Classroom Participation can only improve your grade):

Your higher midterm exam score	25.2%
Your lower midterm exam score	12.5%
Final exam	28.3%
Flipped Classroom Participation	4.0%
Homework	20.0%
Laboratory	5.0%
Discussion Section Quizzes	5.0%

Your lowest Mastering Physics homework score is dropped.

Your 3 lowest Flipped Classroom Participation scores are dropped.

Flipped Classroom Participation: Just participate. It does not matter if you answer correctly or incorrectly. If we detect totally random answers for long periods of time we may zero out your Flipped Classroom Participation score.

Note: If you are in a remote time zone that prevents you from participating in the Flipped Classroom, you can write a Weekly Reflection instead. This is a summary of what you learned during the week, with an emphasis on Concepts and potential Benefits to Humanity. We may ask for compelling evidence that you reside in a remote time zone, that is, that 2:00 PM – 3:30 PM is an undue hardship for you.

Homework Subscription: See bCourses

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 try to help! Additional help is available through the Student Learning Center (Golden Bear Center), the Honors Society, the Society of Physics Students, and the Physics Scholars Program. Inquire in the Physics Department Undergraduate Student Services Office (368 LeConte Hall) for further information. **There is quite a lot of material in this course, and not a lot of time to learn it. There are many resources available to help you. We strongly encourage you to take advantage of them.**

Intellectual Honesty: The student body of UC Berkeley has adopted the following honor code. "As a member of the UC Berkeley community, I act with honesty, integrity, and respect for others." The hope and expectation is that you will adhere to this code.

Collaboration and Independence: Reviewing lecture and reading materials, working practice problems, and studying for exams can be enjoyable and enriching things to do with fellow students. This is recommended. However, when you submit an answer to MasteringPhysics or a hard-copy assignment to your GSI, you are stating that the answer/solution is your own work and not copied from a book, website, friend, or other animate or inanimate source.

Cheating: Anyone caught cheating on an exam in this course will receive a failing grade on the relevant exam problem(s), and will also be reported to the University Office of Student Conduct. In order to guarantee that you are not suspected of cheating, please keep your eyes on your own materials and do not converse with others during the exams. If you must look in a direction other than your exam paper, we recommend looking up at the ceiling.

Plagiarism: To copy text or ideas from another source without appropriate reference is plagiarism and will result in a failing grade for your assignment and usually further disciplinary action. This includes copying homework solutions from printed or on-line, published or unpublished sources.