University of California, Berkeley Physics 5B – Fall 2017

GENERAL INFORMATION

MWF 9:00-10:00 am in 3 LeConte

INSTRUCTOR: Prof. Matt Pyle
423 LeConte Hall
Telephone: 650-224-0446
email: mpyle1@berkeley.edu

Office Hours: Mon 3:00pm-5:00pm

GSIs: Tianrui Xu
email: Tianru_Xu@berkeley.edu

Office Hours: To Be Determined In 1st Discussion Session

DISCUSSION SECTIONS:

1st Discussion Sessions starting 8/29/2017

101: T 2:00-3:00pm Mulford 240
102: W 12:00-1:00pm Cory 247

LAB SECTIONS:

TOPICS/BOOKS:

1. E. Purcell "Electricity and Magnetism", Berkeley Physics Course 3rd edition
2. C. Bennett "Principles of Physical Optics" 1st Edition

Reference Books:

1. D. Griffiths "Introduction to Electrodynamics" 3 edition
2. R. Feynman, "Lectures on Physics": http://www.feynmanlectures.caltech.edu/

HOMEWORK:

One problem set per week. The problem sets will be posted every Wednesday and due at 5pm the following Tuesday in the homework box in ? LeConte

Late homework will be accepted until 5pm the following Wednesday with a 25% penalty. After this, no further homework will be accepted. **No Exceptions**.

There will be 120 total points on most problem sets. However, the maximum achievable grade will be 100, on each problem set. Thus, the student could potentially choose to complete a subset of the HW problems or make minor mistakes on some of the questions and still receive a 100%.

The lowest homework assignment grade will be removed from the homework average used in grade calculation.

READING ASSIGNMENTS/QUIZZES

Reading assignments will be posted 48 hrs. before most lectures on class website.

QUIZZES

Throughout the semester online reading quizzes will be posted with the reading assignments and must be completed 1hr before the lecture. These quizzes will be purposely designed to be very easy (answers should be readily apparent after simply reading the material). Likewise, there will be sporadic "in class" quizzes of similar difficulty.

The average quiz grade will only **positively** affect a student's final grade by up to +3%

EXAMS:

There will be two midterms (at night) and one final exam:
Midterm 1: Ch. 1-4 (electrostatics) Purcell
Midterm 2: Ch. 5-9 (magnetostatics + Maxwell's Laws)

The final exam is all inclusive
- 50% new material
- 50% Purcell Ch 5-9

GRADING:

Problem Sets 30%
Midterms 20% each
Final Exam 30%

WEBSITE: https://bcourses.berkeley.edu/courses/1465035