University of California, Berkeley
Physics 110B, Fall 2008 (Strovink)

GENERAL INFORMATION (22 Aug 08)

Web site for this course: http://d0lbln.lbl.gov/110bf08-web.htm
Backup web site: http://d0lblc.lbl.gov/110bf08-web.htm

Instructors:
Prof. **Mark Strovink**. Main office: LBL 50-6034, 486-7087. Home: 486-8089 (before 10 please). Teaching office: 431 LeConte, 642-9685 (phone answered during office hours). Office hours (in 431 LeConte): M 3:15-4:15, 5:30-6:30. Email: strovink at lbl dot gov Web: http://d0lbln.lbl.gov/
Ms. **Sharon Jue**, 666-2624. UC GSI office: 463 Birge. Office hours (in 465 Birge): TBA. Email: sljue at berkeley dot edu Web: http://panic.berkeley.edu/~sljue/

Lectures: MWF 10:10-11 in 75 Evans. Lecture attendance is strongly encouraged; not all course content is found in texts or handouts.

Discussion Sections: Taught by Ms. Jue; Tu 5:10-6 in 2 Evans, or (TBA) in (TBA). (*The section originally scheduled for Tu 2:10-3 in 179 Dwinelle conflicts with Ms. Jue's class schedule. It will need to be moved to Tu before 2, W between 11 and 3, or M before 3.*) Regardless of the section in which you are enrolled, you are invited to attend either or both discussion sections; do plan to attend at least one discussion section regularly. There you will learn techniques of problem solving, with particular application to the assigned exercises.

Texts:
• Griffiths, **Introduction to Electrodynamics** (3rd ed., Prentice-Hall, 1999, required).
• Pedrotti & Pedrotti, **Introduction to Optics** (3rd or 2nd ed., Prentice-Hall, required). At current writing, copies of the 3rd edition are available for as little as $46 on Textbookx.com; copies of the 2nd edition are available inexpensively from local used bookstores, or for as little as $18 on Amazon. You will not need this book until halfway through 110B; for course purposes, editions 3 and 2 are equivalent.
• If you are planning to attend physics graduate school, and cash flow is not a major issue, it would be smart now to acquire Jackson, **Classical Electrodynamics** (3rd ed., Wiley). It is useful in this course.

Problem Sets: A required and most important part of the course. Twelve sets are assigned. An un-preannounced subset of these problems will be graded. Problem sets are due at 5:30 PM on Wednesdays in weeks when there is no exam. The first set is due at 5:30 PM on Wed 3 Sep. Late papers will not be graded. To compensate for the lack of due date extensions, your lowest problem set score will be dropped. Please deposit problem sets in the box labeled "110B (Strovink)" in the undergraduate reading room (2nd floor New LeConte). You should attempt all of the problems. Students who do not do so find it almost impossible to learn the material and to succeed on the exams. You are encouraged to discuss problems with others in the course, but you must write up your own solutions by yourself.

Exams: There will be one 3-hour final exam and two 50-minute in-class exams. Course texts, course web material, and self-written material are open during all exams. Before confirming your enrollment in this course, please check that its final Exam Group 1 does not conflict with the Exam Group for any other course in which you intend to enroll. Please verify now that you will be available for both of the in-class exams, which will occur at 10:10 AM on W 8 Oct and W 19 Nov; and for the final exam at 8-11 AM on Sa 13 Dec. Except for unforeseeable emergencies, it will not be possible for in-class or final exams to be rescheduled. Passing 110B requires passing the final exam.

Grading: 25% problem sets, 30% in-class exams, 45% final exam. Letters and Science rules limit the fraction of *A*'s to ~45%. No minimum number of *C*'s, *D*'s or *F*'s need be given.