DEPARTMENT OF PHYSICS Fall 2012 Physics 2B

INSTRUCTOR: Dr. Wouter-Jan Rappel rappel@physics.ucsd.edu

Office: 7242 Urey Hall

Office Hours: W 4:00 p.m.-5:00 p.m.

Course Coordinator: Patti Hey, 2571 Mayer Hall Addition, 822-1468,

plhey@physics.ucsd.edu

2B Teaching Assistant: Paul Boynton pboynton@ucsd.edu

CLASS SCHEDULE:

Lectures: 2B TTh 9:30 a.m. – 10:50 a.m. 2722 York Hall

W 7:00 p.m. – 7:50 p.m. 2722 York Hall

Discussion Sessions: Wednesdays 8:00 p.m. – 8:50 p.m. 2722 York Hall

Problem Session: Tuesdays 9:00 p.m. – 10:20 p.m. 2722 York Hall

Final Exam: Thursday, Dec 13, 08:00 a.m. – 10:59 a.m., location TBA

Final Examination: The final examination will cover all of the material of the course. **Please**

check your final exam schedule and inform the instructor of any

conflicts within the first two weeks of the quarter.

TEXT: Halliday & Resnick & Walker, Fundamentals of Physics, 9th Edition,

Vol. 2 Part 3, John Wiley & Sons.

PREREQUISITES: Physics 2A, Math 20B and concurrent enrollment in Math 20C.

Trigonometry, vectors, and calculus will be used in lectures, problem

sets and exams.

Help Is Available: Problem solving sessions will be held on Tuesday evening. At these

sessions, problems will be worked out and the weekly lectures gone over. Attendance is voluntary, but students are encouraged to use these

meetings to help master course material and prepare for quizzes. Individual assistance is available during office hours. The Physics Dept. tutorial center (location 2702 Mayer Hall Addition) is also open

Sunday-Thursday from 3-8 p.m.

Acad. Dishonesty: Please read "UC Policy on Integrity of Scholarship" in the UCSD

General Catalog.

Course Format:

Physics 2 A-B-C-D is a lecture course covering mechanics, electricity and magnetism, waves and modern physics. Physics 2B is a calculus-based science-engineering general physics course covering electricity and magnetism.

HW Assignments: Problem sets are assigned as selections from each text chapter. Solutions will be available on the website. The problems will be worked in detail during the problem session. The homework will not be graded, but exam problems may resemble homework that is assigned.

Quizzes:

Seven quizzes will be given and your lowest quiz score will be dropped. There will be no make-up quizzes. You must purchase your own scantron form for quizzes (No. X101864-PAR). They are available at the Bookstore and the general store co-op. You will need a No. 2 pencil to fill in the scantron. When results of exams are posted on the website, they will be listed by PID number. At each exam you are to enter your PID into the top right area of the Scantron labeled ID Number. You are to replace the initial A in your PID with the number 0.

Grading Policy:

Quizzes 60% (Determined by your top six quiz scores)

Final Exam 40%