

Physics 2B Syllabus Winter 2017

Instructor: Juming Jiao

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Lecture Hours: MTWTh 9:30-10:20 am (MLC 105)

Lab Hours: Tuesday/Thursday 10:30-1:20 pm (Room S11)

Office Hours: Tuesday 10:30-11:20 pm Thursday 1:30-2:20 pm (Room S13)

Final Exam Date: Tuesday, March 28, 9:15-11:15 am

Text Book: FUNDAMENTALS OF PHYSICS, 9th Edition, by Halliday/Resnick/Walker

Prerequisites: Physics 2A.

OBJECTIVE: This course covers two parts: electricity and magnetism. An introduction to the physical properties of that fundamental quantity called charge. The study of electric and magnetic field, DC and AC circuits and their elementary applications. Concludes with electromagnetic waves. In the textbook from chapters 21 to 32.

ATTENDANCE: You are expected to be here at the beginning of each class. If you miss more than four lectures, you may be dropped from the class. However, it is your responsibility to ensure being dropped or withdrawn from the course in order to avoid an "F" in the course. January 18th is the absolute deadline for adding or dropping a class. The last day to drop a class with a "W" is Friday March 3.

HOMEWORK: Homework will be assigned for each chapter, but it will not be collected. It's your responsibility to complete it by the expected date. It is essential to your success in this course that you put solid effort into the homework. If you are having difficulties with homework, I am available for help during my office hours.

QUIZZES: There will be 6 quizzes from Chapters 22-30. The quiz with the lowest grade will be dropped. Each quiz consists of one problem from lectures or homework. Therefore, it is to your advantage to attend each lecture and complete homework assignments.

EXAMS: There will be two mid-term exams and one comprehensive final; all exams are closed book tests! To pass the class, you must take all the exams. There are no make-up exams without prior consent from the instructor. You can send an email or leave a message before the exam time in case of an emergency. Students who fail to show up for the final exam will receive a grade of "F" for the course.

ACADEMIC HONESTY: If a student is found cheating, a ZERO will be assigned to the work. Using unauthorized notes, copying another student's work, or letting another student copy your work are all considered forms of cheating. If you are caught cheating on a quiz or exam, you will receive a "zero" as your final grade on that quiz or exam. If you are caught cheating a second time, you may receive an "F" in the course. I reserve the right to assign seats during exams.

LABORATORY: Lab attendance is mandatory. A student with two unexcused absences of lab may be dropped from the class. The 11th week will be the lab final.

You will need a quadrill-ruled lab notebook and a scientific calculator.

Lab grade consists of 50% lab work and 50% lab final.

GRADING: The grade distribution is as follows:

Homework/Quizzes 10%

Lab 20%

Exams I & II 40%

Final 30%

Grades will be determined as follows:

A: 92-100%

A-: 89-91%

B+: 86-88%

B: 81-85%

B-: 78-80%;

C+: 75-77%

C: 60-74%;

D: 50-59%;

F: 0-49%

Overall class scores may be curved to fit this pattern.