

DE ANZA COLLEGE – PHYSICS 2A – WINTER 2016

Instructor:	Yufeng Sun
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Homepage:	http://deanza.edu/faculty/sunyufeng/
Office hours:	TTH 4:30pm – 5:20 pm (S13)
Lecture hours:	TTH 5:30pm – 7:20pm (S35)
Lab hours:	Tuesday 7:30pm – 10:20pm (S17)
Final exam date:	Tuesday, 3/22/2015 6:15pm-8:15pm
Textbook:	Fundamental of Physics 9 th Edition by Halliday, Resnick, and Walker
Prerequisites	Mathematics 1A (may be taken concurrently)

Note: Last day to drop a class with a “W” is Friday, Feb. 26, 2016. Students who do not drop by this date will be given the appropriate grade for their achievement in the class at the end of the quarter.

Objective:

This is a limited-calculus based course of Classical Mechanics. The main objective is for students to understand motions in one dimension and two dimensions, circular motion, Newton’s laws of motion, linear (and angular) momentum, energy theorems, rotational motion of rigid body, oscillatory motion, fluid, wave motion, and sound. After completing this course, students should be able to use the learned theories to solve related physics application problems.

ATTENDANCE

You are expected to be in class at the beginning of each class. An attendance sheet will be passed at the beginning of class. If you miss signing the attendance sheet five or more lectures you will 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 However, *it is your responsibility* to ensure being dropped or withdrawn from the course in order to avoid an “F” in the course if you stop attending lecture.

Homework

Homework will be assigned after each lecture, but will not be collected. However, **it is your responsibility** to have the homework completed before the following lecture. It is essential to your success in this course that you put a solid effort into the homework. This is how you will learn physics and succeed in the class. Especially, the test problems of three mid-term exams are based on your homework problems.

Quizzes

There will be a quiz every *Thursday* at the end of class. The quizzes will generally represent that week’s lecture material. Therefore, it is to your advantage to attend every lecture. If you miss a quiz you will get a **zero** for that quiz. At the end of quarter the lowest quiz score will be dropped.

Exams

There will be three in-class mid-term exams and a comprehensive final. Exact dates for exams will be given at least four days prior to each exam. The exam format will be a combination of

work-out problems and multiple-choice. The key to the success on the exams is preparation: **do your homework**, attend the lectures, read the textbook and make sure you understand it. There are no make-up exams. If you miss an exam you will get a **zero** for that exam. Of the three in-class exams I will take the average of the lowest and highest score and replace the lowest with the average. You must take all three exams for me to replace the lowest exam score by the average of the lowest and highest

Grading

Grades will be based on the following components with the weights shown:

Quizzes 15%

Lab 20%

Exam 1 15%

Exam 2 15%

Exam 3 15%

Final Exam 20%

Grades will be determined as follows:

88% ---> 100% = A

76 %---> 87% = B

65% ---> 75% = C

54% ---> 64% = D

0 ---> 53% = F