

## DE ANZA COLLEGE PHYSICS 50-62 WINTER 2017

**Instructor:** Yufeng Sun  
**Email:** [sunyufeng@fhda.edu](mailto:sunyufeng@fhda.edu)  
**Office hours:** TTH 11:30 am – 12:20 pm (S13)  
**Lecture hours:** TTH 5:30 pm – 7:20 pm (S34)  
**Final exam:** Tuesday 3/28/2017 6:15 pm – 6:15 pm  
**Textbook:** Physics 4<sup>th</sup> edition by James S. Walker  
**Prerequisites:** Advisory: Math 43 and Phys 10

*Note: Last day to drop a class with a "W" is Friday March 3. 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 an algebra-based physics course. The main objective is for students to learn the fundamental principles and the applications of the theory in solving problems. Upon successful completion of the course, students will be able to

1. Demonstrate knowledge of basic physical units and their relationships.
2. Understand the definition of vector and the method of vector addition .
3. Determine the components of linear motion (displacement, velocity, and acceleration).
4. Solve motion problems in one and two dimensions, especially motion under conditions of constant acceleration.
5. Apply Newton's laws in solving dynamic problems.
6. Solve problems using principles of energy.

### **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 may find yourself 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 However, it is your responsibility to ensure being dropped or withdrawn from the course in order to avoid an "F" in the course if you stop attending lecture.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 for each chapter will be assigned when we start the chapter but will not be collected. However, **it is your responsibility** to have the homework problems completed in time. 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 in the three mid-term exams are based on your homework problems.

### **Quizzes:**

There will be a 10-minutes quiz every week. The quiz day will not be announced in advance. It can be any day in the week and starts at the beginning of the lecture. There will be one to two multiple choice problems in each quiz, which cover the materials in the two previous lectures. If you miss a quiz you will receive a zero for that quiz. There will be no make-up quizzes. At the end of quarter, the lowest quiz score will be dropped.

**Exams:**

There will be three in-class midterm exams and a comprehensive final. Exact dates for exams are indicated in the course schedule (will email to you before the class starts). If there is a date change for a scheduled midterm exam, you will be told at least four days in advance. The key to the success on the exams is preparation: read the textbook and make sure you understand it, ask questions if you don't understand, do the homework, and attend the lecture. There will be no make-up exams. If you miss an exam you will get a zero for that exam. At the end of quarter, the lowest midterm exam score will be replaced by the average of the three midterm exam scores. However, you must take all three midterm exams in order to replace the lowest exam score by the average of the three scores. Each midterm exam has 4 or 5 workout problems which need to be completed in 50 minutes. Your solutions should show your step-by-step process and logic that was used to obtain the answer. No credit will be given if no work is shown even if you obtain the correct answer to the problem.

**Academic Integrity:**

A student caught cheating on any quiz or exam will receive a score of zero. If there is a dispute in the grading of any exam, I will consider looking at the exam paper a second time only if it is handed to me within 2 school days after you receive the graded paper.

**Grading:**

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

Quizzes	20%
Midterm Exam-1	20%
Midterm Exam-2	20%
Midterm Exam-3	20%
Final	20%

Grades will be determined as follows:

88%	----->	100%=A
76%	----->	87%=B
65%	----->	75%=C
54%	----->	64%=D
0	----->	53%=F