

DE ANZA COLLEGE – PHYSICS 10 – Spring 2018

Instructor: Alex Kwiatkowski
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Office: S13
Office Hours: T Th, 5:00 - 5:30PM (S13 or S34)
Lecture Hours: T Th, 5:30 – 7:45PM (S34)
Final Exam Date: Tuesday, June 26, from 6:15 – 8:15PM
Text: Conceptual Physics (Paul Hewitt) (optional)

Note: Last day to drop a class with a “W” is Friday, March 2. 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.

HOMEWORK

Homework will be assigned on a regular basis and it WILL be collected. The method by which each homework is graded will be discussed in class and written down on the homework assignment itself. The relative weight of each homework assignment will be determined based on the length and difficulty of each assignment. In total, homework will account for 45% of the final grade. Student collaboration on homework assignments is allowed and encouraged, but each student must submit their OWN write-up to get credit. Homework submissions that are simply copied from any other submissions will be treated as a violation of academic integrity.

If you are having difficulties with the class/homework, here are some recommendations for where to get help:

1. Ask for help during class and attend office hours.
2. Work together and discuss problems with other students in the class
3. Math & Science Tutorial Center.

On the homework and exams, you need to show all your work in complete detail in order to receive full credit. Your solutions should show your start point, step-by-step process, and the 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.

EXAMS

There will be one in-class exam (midterm) and a comprehensive final. Exact dates for the exam will be given during class, but the plan is to have it during week 6. The exam format may be work-out problems, multiple-choice, conceptual, or a combination of the three. In general, calculators are not necessary and are not permitted during exams, and this will be discussed in class before each exam. The key to success on the exams is preparation; do the homework and make sure you understand it. Ask questions about anything and everything that you don't already understand! (ask during class, during office hours, or by sending the instructor an

email). If you miss an exam you will get a ZERO for that exam. For emergency illness or other serious conflicts, email the instructor immediately.

GRADING

Grades will be based on the following components with the weights as follows:

Homework	45%
Midterm	25%
Final Exam	30%

OBJECTIVE

This course will explore the structure of physics from a purely conceptual standpoint. Few mathematical techniques will be used to express the rationale of our universe, instead, verbal logic will be employed. Few numerical calculations will be performed. Although it may sound easier to study physics without mathematics, actually this is a challenging goal and requires a skillful and precise use of language. We will start with mechanics and study motion, Newton's laws, energy, and momentum. After that, we will cover electricity, thermodynamics, and special topics as time allows.

ATTENDANCE:

You are expected to attend the first class of the quarter or your spot will be given to the next student on the waitlist. If you are not able to attend the first class, email the instructor at some point on the day of the first class to avoid getting dropped.

De Anza College Academic Integrity

"The following types of misconduct for which students are subject to disciplinary sanctions apply at all times on campus as well as to any-off campus functions sponsored or supervised by the college: cheating, plagiarism or knowingly furnishing false information in the classroom or to a college officer"

DISRUPTIVE BEHAVIOR POLICY

Any DISRUPTIVE BEHAVIOR during class will NOT be tolerated. If a student is in any way disruptive during the class, the student will be given a warning. If the problem continues, the student will be asked to leave the class and a formal disciplinary report will be filed with the college disciplinary officer. The incident will be recorded in your college record and will be sent with your transcripts to any university/college requesting student records.

Student Learning Outcome(s):

*Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of physics in general.