

# De Anza College Physics 10 Syllabus

## Spring 2023

### Course Details:

Lectures: M-Th 12:30pm-1:20pm Fridays Online via Zoom

Location: S35

5 Units

**Instructor:** David Laubner

**Email:** [laubnerdavid@fhda.edu](mailto:laubnerdavid@fhda.edu)

\*This is the best way to reach me!

**Office Hour:** Thursday 10:30am-11:20am S13

### Text:

Conceptual Physics by Hewitt 12th edition. This is simply the version of the text that I will be using for reference. You are welcome to use a different version of the text, or an online version if you prefer.

### Course Description:

This course will explore the structure of physics from a purely conceptual standpoint. Although few mathematical techniques will be used throughout the course, verbal logic and reasoning will serve as the primary method of expressing the rationale of our universe. Although it may seem easier to study physics without mathematics, this can be demanding, and it requires careful and precise use of language.

We will start with mechanics and study motion, Newton's laws, energy, and momentum. Other topics that we will discuss include electricity and magnetism, the structure of an atom and the nature of matter, oscillations and wave motion, and sound. We may touch on some special topics such as relativity and quantum mechanics if time allows.

### Attendance:

Attendance is required for this course. If you miss more than five lectures, then you may be dropped from the course. A missed quiz is equivalent to a missed lecture. Written communication is required to excuse an absence.

**Grade Distribution:**

Most of your grade will consist of multiple choice questions. Over the course of the quarter, you should have at least 150 multiple choice questions, which will be in the form of quizzes once or twice a week, and three exams. Some quiz questions will be short answer style, and may be worth more than one point, and I will explain how many points a quiz is worth before you take it. At the end of the quarter, I will calculate how many points you earned on these quizzes and exams, and this will be your final score.

**Grade Scale:**

Grades will be assigned approximately according to the following chart

A	88-100
B	75-88
C	60-75
D	50-60
F	Not given unless an exam is missed, or attendance is unacceptable.

**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.

**Office Hours:**

T	10:30 AM	11:20 AM	In-Person	S13
TH	10:30 AM	11:20 AM	In-Person	S13