

Physics 50
Preparatory Physics
Winter 2022

Online Lecture TTh 5:30pm – 7:20am
through Canvas, Zoom

Instructor:

Kasra Khazeni

Office:

Online

Contact:

email: khazenikasra@fhda.edu

Office Hours:

10:20-11:20 am, W

Text:

Physics, 4th edition, Vol. 1, by James S. Walker

Objective:

The purpose of this course is to introduce the concepts of Classical Mechanics. This course has a prerequisite of Math 43 with a "C" grade or better. This course develops the basic equations of motion in one and two dimensions based on Newton's Laws of Motion.

You can use either your cell phone, iPad, or computer for online instructions. No personal cell phone use during exams. You will require a SIMPLE calculator with scientific notation; Exams will be live online while we are all in session on Zoom, with both microphones and cameras turned on. I need to be able to see you work on your exam.

Quizzes:

There will be at least one quiz every week. No makeup quizzes will be permitted, instead, your lowest quiz grade will be dropped at the time course grades are being determined.

Exams:

There will two exams 1/3 and 2/3 into the quarter. No makeup exams will be permitted. The dates will be provided later.

Cheating Policy:

Cheating on a quiz, or the final, will result in an automatic "F" on that test, with two incidents of cheating resulting in an automatic "F" in the class. Since everything is online, it is easy for an instructor to detect cheating. Please be advised that here are various online tools and search engines for that purpose, along with sites that can easily be checked for uploaded exams and questions such as Chegg.

Homework:

Suggested problems from the book will be assigned at the end of each chapter, which will not be required to be turned in, but it is strongly suggested that you work them out and become comfortable with recognizing the type of problem it represents and its solution. Working out the HW problems is one of the best ways to be prepared for the weekly quizzes and the final exam. Please feel free to come and see me to discuss homework problems if you have any questions.

Grading:

Final grade:

88% - 100% = A
76% - 88% = B
64% - 76% = C
50% - 64% = D

Breakdown of the final grade:

Quizzes = 70% 1/2 hour, 1 or 2 problems, one quiz every Week
Exams = 15%
Final = 15%

There are no make-up exams, quizzes, or the final.

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 mechanics.