

Hello Everyone!

Welcome to spring quarter and to the preparatory physics class (PHYS 50, CRN:01751, section:30Z, M and W 5:30 PM to 7:20 PM).

The recommended requirement courses for our class are Math43 (Algebra and trigonometry) and Phys10.

I would cover chapter 1 to 6 (hopefully 7, (each chapter (100/7) %)) of a college level classical mechanics' book. The free online version is here: <https://openstax.org/details/college-physics>

The course outline is here:

<https://www.deanza.edu/catalog/courses/outline.html?cid=PHYS50>

I am a condensed matter experimental physicist, and I would like to use hands-on experiments and team work to facilitate learning. I hope it will be a fun physics class for you.

Your participation in class and on canvas discussions are very valuable and has positive effect on your grade. Asking questions and answering questions in class and on canvas are very important too.

Email me (Shirin Jamali) for any question or set up an appointment for meeting ([jamalishirin@fhda.edu](mailto:jamalishirin@fhda.edu))

**Office hours: Monday and Wednesday from 7:30 to 8:00pm**

**Academic integrity:**

[https://www.deanza.edu/policies/academic\\_integrity.html](https://www.deanza.edu/policies/academic_integrity.html) (Links to an external site.)

**Class Structure:**

Design and perform experiments to find out the rules that governs the experiment.

You will design and perform your own experiments using guidance from books. Discussion with your peers and me will make this task easy and fun.

Your notes may contain videos, pictures, text and voices to explain the experiment.

You may use other materials with reference in your note to explain the concepts of the rules you are referring in your experiment.

It would be the best to write your questions as it arise in your notes.

Your notes contain few problems that are related to the concept and your experiment with your answers. You will present your work at the end of each chapter.

At the end of this class you will have a book with your name that contains all your notes and presentations.

Physics simulation link:

[PhET: Free online physics, chemistry, biology, earth science and math simulations \(colorado.edu\)](https://phet.colorado.edu/)

### **Assignments/ Exam for each topic:**

- 1- Class participation- Activity
- 2- Note taking of main concepts
- 3- Problem solving
- 4- Presentation (oral exam)

All the assignments are in discussion sections, and you will discuss all parts with your classmates

### **Important dates:**

## Final Exam Time

Monday from 6:15 PM to 8:15 PM

<https://www.deanza.edu/calendar/final-exams.html>

### **Grading:**

Assignment/Exam parts for each topic plus final exam question and the lab section for each topic would be the percentage grade for your final grade.

A+: for extraordinary achievement A: 93% - 100% A-: 90-92%  
B+: 88-89% B: 83-87% B-: 80-82%  
C+: 78-79% C: 73-77% C-: 70-72%  
D: 60-69% F: < 60%

Last Day to Add the class 04/16/ 2022

[How to drop the class](#)

Last Day to Drop w/o W 04/17/ 2022

Last Day to Drops with W 05/27/2022

[How to Reach Services This Spring](#)  
[Guide to Spring Quarter](#)  
[Discover Your Village!](#)

**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.