

## **Physics 6A: Introduction to Physics Summer 2014**

**Time:** MWF 12:30 - 1:40 PM

**Course meeting dates:** 06/23/14 - 08/29/14

**Place:** Thimann 003

**Instructor:** Alice Durand

**Instructor email:** adurand@ucsc.edu

**Office hours:** Wednesdays 10 - 11:30 am (or by appointment), in ISB 262

**Discussion sections/TAs:**

Cam Mackeen (cmackeen@ucsc.edu)

Mike Testa (mtesta@ucsc.edu)

Ahram Kim (akim26@ucsc.edu)

Eddie Santos (edrsanto@ucsc.edu)

**Tutor:** Cezar Montero (cmontero@ucsc.edu)

**Reader:** Sydney Weiser

**Course textbook:** Essential University Physics (2nd or 1st edition), Richard Wolfson

**Supplemental textbook (not required):** University Physics (11th edition), Young and Freedman

### **Course description**

We will be looking at elementary mechanics. Vectors, Newton's laws, inverse square force laws, work and energy, conservation of momentum and energy, gravity, and oscillations will all be covered (Chapters 1 - 13 of Wolfson).

### **Course website**

This syllabus and other resources are available on the eCommons course page at <http://ecommons.ucsc.edu>. You will need a UCSC ID and CruzGold password to access the course page. I will post homeworks, homework solutions, lecture notes, midterm solutions, and anything else relating to the course on this site.

### **Resources**

I am happy to meet with you during office hours or by appointment. There will be multiple discussion sections throughout the week that you can attend in addition to these office hours. There is also a tutor, Cezar Montero, who will hold tutoring sessions during the quarter. You can sign up for tutoring sessions at: <https://eop.sa.ucsc.edu/OTSS/tutorsignup/>

If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me

as soon as possible, preferably within the first week of the Summer Session. Contact DRC by phone at 831-459-2089 or by email at [drc@ucsc.edu](mailto:drc@ucsc.edu) for more information

## **Course structure:**

### **Homework - 30%**

There will be approximately one homework assignment each week (9 total). I will post the assignment in its entirety on ecommons (so no worries if you have a different edition of Wolfson). The homework will be due on **Wednesdays** IN CLASS. Your homework should be stapled and have smooth edges (that is, if you rip it out of a notebook, trim the edges). Homework will be spot-graded: one or two problems will be graded in full, and the rest will be graded on if you made a solid attempt at the problem.

### **Midterms - 30%**

There will be one midterm on July 25th.

### **Final - 40%**

The final is on Friday, August 29 from 12:30 - 1:40 pm (normal class time and place). It will cover ALL of the material in the course, with an emphasis on material after the midterm.

## **6L Labs**

You are required to be concurrently enrolled in the lab course, Physics 6L. The lab course is graded separately from this course. You may ask me or your lab TA questions regarding 6L grades/attendance/etc.

## **Academic Integrity**

I encourage group work on the homework, but the homework turned in should be your OWN. If you collaborated with other students, some degree of similarity is understandable, but word-for-word copies of homework will be given a ZERO.

Don't cheat on the exams. During exams, all work presented must be your own. Any cases of cheating will be dealt with in accordance with the corresponding University regulations against academic dishonesty. In the long run, you are doing yourself a huge disservice by cheating - it's not worth it!