

Mechanics and Waves

College of Creative Studies
University of California, Santa Barbara

This is the second of 6 courses in the CCS Physics sequence and is required for all CCS Physics majors. Topics to be covered include:

- Oscillatory motion
- Rotational motion
- Angular momentum
- Newtonian gravity
- Central forces
- Elastic waves

Prerequisites: PHYS CS 31 or consent of instructor

Lecture:

Time: Tues/Thurs 3:30 - 4:50 p.m.

Place: BLDG 387, room 103

Instructor: Dr. Ilan Ben-Yaacov, ESB Room 2213, ext 5295, ilan@engineering.ucsb.edu

Office Hours: Tuesday 1:15-3:15pm in ESB 2213

Problem Sessions:

Time / Place: Wed 1:00 - 2:50 p.m., HSSB 1206

Wed 3:00 - 4:50 p.m., HSSB 1206

Instructor: Matthew Neeley, maffoo@physics.ucsb.edu

Office Hours: Mon 3:00-5:00pm in BROIDA Room 4217

Teaching Assistant: Daniel Balick, dbalick@physics.ucsb.edu

TA office hours: Tues 6:00-8:00pm in CCS Room 145 (or 148 if room 145 is full)

Grader: Ryan Hazelton, rhazelton@umail.ucsb.edu

Grader office hours: Mon 5:00-7:00pm in CCS room 148 (or 145 if room 148 is full)

Required Texts: *Physics*, 5th edition, by Resnick, Halliday, and Krane, 2002, ISBN 0-471-32057-9
An Introduction to Mechanics, by Kleppner and Kolenkow, 1973, ISBN 0-07-035048-5

Class Web Page: http://my.ece.ucsb.edu/PHYSCS32_W2007