Electromagnetism and Optics
College of Creative Studies
University of California, Santa Barbara

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

- Electromagnetic induction, inductance
- Magnetic properties of matter, fields in matter
- AC circuits, passive circuits, basic amplifiers
- Maxwell’s equations and electromagnetic waves
- Light waves
- Mirrors and lenses
- Interference
- Diffraction
- Gratings and spectra
- Polarization

Prerequisites: PHYS CS 34 or consent of instructor

Lecture:
Time: Tues/Thurs 5:00 - 6:20 p.m.
Place: BLDG 698, room 102
Instructor: Dr. Ilan Ben-Yaacov, ESB Room 2213, ext 5295, ilan@engineering.ucsb.edu
Office Hours: Tuesday 2:45-4:45pm in ESB 2213

Problem Sessions:
Time / Place: Thurs 11:00am - 12:50 p.m., PHELPS 1444
Thurs 1:00 - 2:50 p.m., PHELPS 1444
Instructor: Sathya Guruswami, sathya.guruswamy@ccs.ucsb.edu
Office Hours: Wed 10:30am-12:30pm in CCS Faculty Office (behind CCS building)

Teaching Assistant: Justin Lowrey, justin@lowreys.net
TA office hours: Wednesday 1:00-3:00pm, CCS Building

Grader: Ryan Hazelton, rhazelton@umail.ucsb.edu
Grader office hours: Wednesday 6:00-8:00pm, CCS Building


Class Web Page: http://my.ece.ucsb.edu/PHYSCS35_W2008