Electromagnetism
College of Creative Studies
University of California, Santa Barbara

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

- Coulomb’s Law, Gauss’ Law, Electric Fields
- Electric Potential, Electric Field Energy
- Conductors and Dielectrics
- Capacitors, Resistors, and Diodes
- Electric currents and resistance
- DC circuit analysis, RC circuits
- Magnetic fields
- Ampere’s Law, Biot-Savart Law

Prerequisites: PHYS CS 33 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: Thurs 11:00am - 12:50 p.m., LSB 1101
Thurs 1:00 - 2:50 p.m., LSB 1101
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: Tuesday 5:00-7:00pm, CCS Building

Grader: Ryan Hazelton, r hazelton@umail.ucsb.edu
Grader Office Hours: Wednesday 5:00-7:00pm, CCS Building


Class Web Page: http://my.ece.ucsb.edu/PHYSICS34_F2007