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 12:30 - 1:50 p.m.
Place: BLDG 387, Room 101
Instructor: Dr. Ilan Ben-Yaacov, ESB Room 3221D, ext 5295, ilan@engineering.ucsb.edu
Office Hours: Wednesday 11:00am-1:00pm in ESB 3221D

Problem Sessions:
Time / Place: Thurs 10:00 - 11:50 a.m., BLDG 387, Room 103
Thurs 2:00 - 3:50 p.m., OLD LITTLE THEATER, Room 164B
Instructor: Doug Folsom, doug.folsom@gmail.com
Office Hours: Tues 1:00-3:00pm in CCS Faculty Office (behind CCS building)

Teaching Assistant: James Garrison, garrison@physics.ucsb.edu
TA office hours: Tuesday 6:00-8:00pm in CCS Room 145

Grader: Alex Toesch, atroesch@umail.ucsb.edu
Grader office hours: Wednesday 6:00-8:00pm in CCS Room 145


Class Web Page: http://my.ece.ucsb.edu/PHYSICS34