

COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

MAJORS (../MAJOR.HTML)

LIST OF COURSES (COURSES.HTML)

RESOURCES (../RESOURCES/RESOURCE.HTML)

STUDENT LIFE (../STUDENTLIFE/ORGS.HTML)

PHYS 5B - INTRODUCTORY ELECTROMAGNETISM, WAVES, AND OPTICS (3 UNITS)

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

COURSE OVERVIEW

SUMMARY

Electric fields and potential, circuits, magnetism and induction. Introduction to optics including light propagation, reflection, refraction and interference. Intended for students with an interest in pursuing a major in physics, astrophysics, engineering physics, or related disciplines. Successor to the Physics H7 series. Continuation of 5A-5B-5C sequence.

PREREQUISITES

PHYS 5A ([phys5a.html](#)), or PHYS 7A ([phys7a.html](#)); MATH 53 ([math53.html](#)) (which may be taken concurrently)

WORKLOAD

TIME COMMITMENT

3 hours of lecture and 2 hours of discussion per week

COLLEGE OF CHEMISTRY PEER SERVICES

Made by Angela Lee, c/o 2019



(<https://www.facebook.com/ColChem>) (<https://twitter.com/ColChem>) (<https://guide.berkeley.edu/ugrad/curr>)

lang=en) students/peer-

advising