Synthesis and Analysis of Organic Compounds

Course meetings: MWF 10:30–11:20 am BILGER 335

Instructor: P. Williams philipwi@hawaii.edu
Bilger 245A 808-956-5720
Office hours by appointment

Course Objective: The objective of Chemistry 445 is for students to develop a broader understanding of modern synthetic organic chemistry. In particular, lectures will focus on the underlying theory governing pericyclic reactions, stereoselective synthesis, and on the chemical characterization of organic compounds in order to deduce planar structure (2D & MS) and stereochemistry.

Prerequisites: Chem 273 and Chem 273L; Declared Chemistry Major

Corequisites: Chem 445L

Exams
- Exam #1 Monday, February 14th
- Exam #2 Monday, April 4th
- Final Exam Monday, May 9th @ 9:45-11:45 am.

Grading: Each midterm exam (two total) will be worth 100 points and the final exam will be worth 200 points for a total of 400 points. Final grades will be determined from the average of the raw scores. The following tentative scale will be used:
  - A+ 90-100;
  - A 85-89;
  - A- 80-84;
  - B+ 75-79;
  - B 70-74;
  - B- 65-69;
  - C+ 60-64;
  - C 55-59;
  - C- 50-54;
  - D+ 45-49;
  - D 40-44;
  - D- 30-39;
  - F 29-0.

Code of Conduct: Academic honesty policies can be found at the following website: http://www.studentaffairs.manoa.hawaii.edu/policies/. Students are expected to familiarize themselves with these rules. Any student caught violating the policies on plagiarism or cheating will receive a grade of an “F” in the course.

Disabilities: The University of Hawaii is an equal opportunity/affirmative action institution, dedicated to teaching all students and reaching all learners. It is our commitment to make our lectures and classrooms accessible to all students. If you have, or think you might have, a disability and have not voluntarily disclosed its nature and the support you need, you are invited to contact the UH KOKUA Program (http://www.hawaii.edu/kokua/ or (808) 956-7511), or talk with the instructor in order to get any accommodation you might need to take the course. This information will be kept confidential. Please do this as early in the course as possible.