

**CHEM 128A**  
**Organic Chemistry – QA Fall**

**INSTRUCTOR:** Neil Schore, e-mail: neschore@ucdavis.edu

**LECTURES:** See QA Nottingham schedule

**INSTRUCTOR OFFICE HOURS:** To be announced

**TEXTBOOKS: Required:** Brown, Foote, Iverson and Anslyn *Organic Chemistry*, Sixth or Seventh Ed.  
**Recommended:** Iverson and Iverson, *Student Study Guide and Solutions Manual for Brown, Foote, Iverson and Anslyn's Organic Chemistry*, Sixth Ed.; Organic chemistry molecular model kit.

**EVALUATION:** Three 100-point exams distributed evenly throughout the course.

**LEARNING OBJECTIVES:**

Chemistry 128A covers chapters 1-9 in the textbook. Order of coverage will probably not be as it is in the textbook; more likely it will be somewhat like what is shown below. A solid understanding of the material in Chem 2 will be assumed. The course material is organized into the following "learning objective units," with the relevant chapter reading assignments provided:

- 1 Covalent Bonding and Shapes of Molecules** (*Read: Ch. 1*)
  
- 2 Alkanes and Cycloalkanes** (*Read: Ch. 2*)
  
- 3 Stereochemistry and Chirality** (*Read: Ch. 3*)
  
- 4 Haloalkanes, Halogenation, and Radical Reactions** (*Read: Ch. 8*)
  
- 5 Acids and Bases** (*Read: Ch. 4*)
  
- 6 Nucleophilic Substitution and  $\beta$ -Elimination** (*Read: Ch. 9*)

## 7 Alkene and Alkyne Chemistry

**Alkenes: Bonding, Nomenclature, and Properties** (*Read: Ch. 5*)

**Reactions of Alkenes** (*Read: Ch. 6*)

**Alkynes** (*Read: Ch. 7*)