

CHEM 128C

Organic Chemistry – QA Fall

INSTRUCTORS: Neil Schore neschore@ucdavis.edu and Mark Kurth mjkurth@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 128C covers Chapters 20-29 in the textbook. A solid understanding of the material in Chemistry 128A and B will be assumed. The course material is organized into the following "learning objective units," with the relevant chapter reading assignments provided:

1 Conjugated Systems (*Read:* Ch. 20-22)

2 Amine Chemistry (*Read:* Ch. 23)

3 Metal-based Carbon-Carbon Bond Formation

Catalytic Carbon-Carbon Bond Formation (*Read:* Ch. 24 and review Ch. 15-19)

4 Biomolecules

Carbohydrates (*Read:* Ch. 25)

Lipids (*Read:* Ch. 26)

Amino Acids and Proteins (*Read:* Ch. 27)

Nucleic Acids (*Read:* Ch. 28)