

CHM 7292
Advanced Organic Chemistry
Fall, 2006

Villanova University
Department of Chemistry

TIME AND LOCATION: Monday and Wednesday
5:55 – 7:10 P.M. 213 Mendel Hall

INSTRUCTOR: Joseph W. Bausch, Ph.D. (300C Mendel Hall)
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OFFICE HOURS: Before or after class, or by appointment.

OBJECTIVE: An intensive survey of the basic principles of organic chemistry.

TEXT: Perspectives on Structures and Mechanism in Organic Chemistry,
by Felix A. Carroll, Brooks/Cole, New York, 1998.

Topics

Chapter 1: Concepts and Models in Organic Chemistry

Chapter 2: Stereochemistry

Chapter 3: Conformational Analysis and Molecular Mechanics

Chapter 4: Applications of Molecular Orbital Theory and Valence Bond Theory

Chapter 11: Concerted Reactions

Chapter 5: Reactive Intermediates

Chapter 6: Methods of Studying Organic Reactions

Chapter 8: Substitution Reactions

Chapter 9: Elimination Reactions

Chapter 12: Photochemistry (time permitting)

TENTATIVE EXAM SCHEDULE

Test 1 Monday, September 25	(100 points)
Test 2 Monday, November 6	(100 points)
Final (TBA)	(100 points)

Exams will be a combination of in-class and take-home questions.

Homework: Some problems will be assigned and then discussed in class.

Class participation will be worth 50 points.

GRADES Based upon % of points out of 350:

100-92 %	A
92-88	A-
88-84	B+
84-80	B
80-75	B-
75-70	C+
70-60	C
60-00	F

Note: Class will not meet on October 9 and 11 (Mid-term Recess), and November 22 (Thanksgiving Recess).

It is the policy of Villanova University to make reasonable academic accommodations for qualified individuals with disabilities. If you are a person with a disability, please contact me after class or during office hours and make arrangements to register with the Learning Support Office by contacting 610-519-5636 or Nancy Mott (nancy.mott@villanova.edu) as soon as possible. Registration is needed in order to receive accommodations.