

Department of Chemistry
University of Vermont

Chemistry 144
Organic Chemistry
Professor J. Madalenoitia
Jmadalen@uvm.edu
A-232 Cook

Spring, 2015

Office hours:

Mon 2:30-3:30
Tue 1:30-2:30
Th 10:15-11:15

or by appointment

Text: Solomons & Fryhle "Organic Chemistry" 11th ed., Wiley, 2014 and Study Guide.

Molecular Models: HGS Molecular Structure Models

Course Prerequisite: Chemistry 32 or 36 and 141 or 143.

Outline

Structure Determination: Sections 2.15, 2.16. Infrared Spectroscopy. Chapter 9.
Nuclear Magnetic Resonance and Mass Spectroscopy.
All sections

Chapter 12. Alcohols from Carbonyl Compounds
Sections 12.1-12.8

Chapter 13. Conjugated Unsaturated Systems
All sections except 13.5

Chapter 14. Aromatic Compounds
All sections except 14.7C, 14.11

Chapter 15. Reactions of Aromatic Compounds
All sections

Chapter 16. Aldehydes and Ketones
All sections except 16.2, 16.3, 16.13, 16.14

Chapter 17. Carboxylic Acids and Their Derivatives
All sections except 17.2j, 18.12

Chapter 18. Reactions at the α Carbon of Carbonyl Compounds
All sections

Chapter 19. Condensation and Conjugate Addition Reactions

All sections

Chapter 20. Amines

All sections

Exams

Your course grade will be based on three examinations, a cumulative final examination, and your laboratory grade.

Lab	20%
Exam 1	20%
Exam 2	20%
Exam 3	20%
Cumulative Final	20%

Midterm Dates:

February 18	6:00 P.M.-8:00 P.M.
March 25	6:00 P.M.-8:00 P.M.
April 22	6:00 P.M.-8:00 P.M.

Midterm Exam Location:

TBA

Final Exam Date:

May 4 7:30-10:15

Final Exam Location:

Votey 209

No exam grades are dropped. The only valid excuses for missing an exam are medical or other true emergency situations. If you miss an exam for such a reason, you must inform me of it promptly, present appropriate documentation of your excuse, and receive formal approval to take a make up exam. If you miss an exam for any other reason, you will receive a grade of zero for that exam. There will be only one make-up exam given during the semester; it will be scheduled at the end of the semester, and it will be cumulative.

7. Report all accidents and injuries, however minor, to the instructor.
8. Extraneous sources of sound are not allowed.
- 9.

3. Injuries. All injuries, no matter how minor must be treated immediately by competent medical staff at the University infirmary. Report the injury to your lab instructor.