

**Chem 261 – Fall 2015**  
**Organic Chemistry**  
(MWF – 1:25-2:15pm ILC 135)

Instructor: Michelle Farkas (LGRT 745C)

Email: farkas@chem.umass.edu

Required Text: Organic Chemistry by John McMurry

(Purchase info: <http://owl.cs.umass.edu/techsupport/accesscodes/orgchem.html>).

Office Hours (in LGRT 745C): TBA

(SI Office Hours will be announced)

Topics:

- I) Structure and Bonding (Ch. 1)
- II) Polar Covalent Bonds, Acids & Bases (Ch. 2)
- III) Alkanes (Ch. 3)
- IV) Cycloalkanes (Ch. 4)
- V) Stereochemistry (Ch. 3 and 4, mostly Ch. 5)
- VI) Overview of Organic Reactions (Ch. 6)
- VII) Alkenes: Structure and Reactivity (Ch. 7)
- VIII) Alkenes: Reactions and Synthesis (Ch. 8)
- IX) Alkynes (Ch. 9)
- X) Organohalides (Ch. 10)
- XI) Reactions of Alkyl Halides (Ch. 11)
- XII) Alcohols and Phenols (Ch. 17)
- XIII) Structure Determination: Mass Spectrometry and Infrared Spectroscopy (Ch. 13)
- XIV) Structure Determination: Nuclear Magnetic Resonance Spectroscopy (Ch. 14)

Grading:

Exam 1: Wednesday, February 25, (70min, 2 sessions offered) – 25%

Exam 2: Wednesday, April 1, (70min, 2 sessions offered) -- 25%

OWL Assignments: Given on a weekly basis -- 20%

Final Exam: Wednesday May 6, (2 hours, 2 sessions offered) – 30%