Organic chemistry I

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Resources for this course:
- Required textbooks:
  - McMurry, *Organic Chemistry* 7e
  - Straumanis, *Organic Chemistry, A Guided Inquiry*
- Course webpage, [http://webs.anokaramsey.edu/aspaas/2061](http://webs.anokaramsey.edu/aspaas/2061)
  - Announcements, syllabus, notes, AV files, practice worksheets
- OWL, [http://www.cengage.com/owl](http://www.cengage.com/owl)
  - Online homework assignments (2 per week)
- D2L, [http://www.anokaramsey.edu/onlineProg](http://www.anokaramsey.edu/onlineProg)
  - Discussion boards, grades
- Audio/video files
  - Full lectures - listen/watch them on your own, follow along with the blank notes from the webpage
  - Recordings from class - to review something you may have missed
- Other helpful resources:
  - Solutions manual for McMurry organic chemistry *highly recommended* to check answers for end-of-chapter problems
  - Pushing electrons, optional guide to help with mechanisms
  - Model kit to help to visualize molecules in 3D

Hybrid course

Hybrid courses are part online and part in-person.

**In person component of this course:**
- **Lecture** T 4:00-5:50pm
  - Highly activity based. Usually 2 ChemActivites from Straumanis *Guided Inquiry* book per lecture
  - Short lectures to summarize and review
- **Lab** T 6:30-10:00pm
  - See experiment schedule on last page of syllabus
  - Have prelab assignment done before lab:
    - Read experiment and any referenced operations
    - Set up notebook with title of experiment, purpose, table of quantities (mass or vol and moles) and brief experimental outline

**Online component of this course:**
- Lecture videos
  - Full videos from each chapter - watch or listen and follow along by filling in blank notes as you go along
- Online homework
  - OWL will have 2 assignments per chapter:
    - Post-lecture - based off the previous lecture, due each Friday at 11:59pm
    - Pre-lecture - based off the lecture videos, due each Tuesday at 2:00pm
To register for OWL, visit [http://www.cengage.com/owl](http://www.cengage.com/owl)

- Choose **Organic Chemistry** and **Register**
- Choose Anoka-Ramsey Community College
- Choose **Student Registration**
- Choose **2061-30, Aspaas**
- Fill out the form, choosing your own login and password.
- Use the access code you purchased from the bookstore. Alternatively, you can buy an access code from [http://www.cengage.com/owl](http://www.cengage.com/owl) with or without e-book access.

There are **2 assignment sets** per week, each consisting of several individual problems.

- Bookmark the student login page.
- When you login and choose our course, you will be shown current assignments. Click **Assignment Folders** to see the post-lecture questions and pre-lecture questions.
  - Post-lecture due Fridays at 11:59 pm
  - Pre-lecture due Tuesdays at 2:00 pm

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Intro activity/ChemActivity 1 summary

- **methodical**
  - Openly discuss/communicate
  - **Wait** before saying answers!

- **ChemActivity 1**
  - **Valence e**: not shared
  - **Bonded e** more push than bonded e
  - **Periodic tbl** atomic #
  - **Group #**
  - Roman num w/ A or B
  - \( \text{# valence e} \)
  - Rows: # of shells (for main grp)