

**Chemistry 0310**  
**Organic Chemistry 1**  
**Fall 2018**  
**MWF 3:00 PM-3:50 PM**  
**CHVRN 152**

**Professor**

Dr. Paul Floreancig  
CHVRN 1403  
412-624-8727  
[floean@pitt.edu](mailto:floean@pitt.edu)

**Recitation**

Tuesday 5:00-5:50 PM, CHVRN 152

**UTAs**

Too numerous to list – abundant help is available.

**Office Hours**

Tuesday 4:00 – 5:00 and Thursday 1:00 – 2:00.

**Course Materials**

*Organic Chemistry, Structure and Function*, Eighth, Seventh, or Sixth Edition  
Vollhardt and Schore *Study Guide and Solutions Manual for Organic Chemistry*, Schore  
(optional)  
Molecular Model Set (highly recommended)

**Exams**

There will be three midterm exams, *tentatively* scheduled for *October 3*, *October 31*, and *November 30*. The final exam is scheduled for Friday *December 14* at 12:00 PM. Two grades are calculated for the course. 1) Each midterm will count for 20% toward the course grade and the final will count for 40%. 2) The two best midterms each count for 25% of the grade, with the lowest score of the three being dropped, and the final counts for 50%. Your grade will be the better of the two. Make up exams will not be offered since one exam can be dropped. Review sessions will be held a few days before the exams. Times will be announced in class.

**Problem Sets**

A problem set will be posted on CourseWeb as discussions of new chapters commence. The problem sets will not count toward your grade. Organic chemistry is best learned through practice and repetition, though, so completion of the problem sets is strongly encouraged. Answers to the problems will be discussed in the recitation.

**Students with Disabilities**

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact your instructor and the Office of Disability Resources and Services, 216 William Pitt Union, 412-648-7890 as early in the term as possible. Also see the following website ([www.drs.pitt.edu](http://www.drs.pitt.edu)).

<b>Date</b>	<b>Topics</b>	<b>Reading</b>
August 27, 29, 31	Course introduction, alkanes	Chapter 2
September 3	No class, Labor Day	
September 5, 7	Cyclic alkanes	Chapter 4
September 10, 12, 14	Alkane reactions, petroleum chemistry, halogenation reactions	Chapter 3
September 17, 19, 21	Stereochemistry	Chapter 5
September 24, 26, 28	Acid and base chemistry, substitution ( $S_N2$ ) reactions,	Chapters 2 and 6
October 1, 5	Substitution ( $S_N2$ and $S_N1$ ) reactions	Chapters 6 and 7
October 3	Midterm 1	Chapters 2 - 6
October 8, 10, 12	Elimination reactions, review of substitution and elimination	Chapter 7
October 15	Fall holiday	
October 16 (take note!), 17, 19	Alcohol synthesis	Chapter 8
October 22, 24, 26	Alcohol reactions, ethers	Chapter 9
October 29, November 5	Nuclear magnetic resonance	Chapter 10
October 31	Midterm 2	Chapters 7-9
November 7, 9	Alkene properties, infrared spectroscopy	Chapter 11
November 12, 14, 16	Alkene synthesis and reactions	Chapters 11 and 12
November 19	Alkene reactions	Chapter 12
November 21, 23	Thanksgiving recess	
November 26, 28	Alkene reactions	Chapter 12
November 30	Midterm 3	Chapters 10-12
December 3, 5, 7	Alkyne chemistry, catch-up	Chapter 13
December 14	Final Exam, 12:00 PM	Chapters 2-13