Chemistry 0310
Organic Chemistry 1
Fall 2019
MWF 3:00 PM-3:50 PM
CHVRN 152

Professor

Dr. Paul Floreancig
CHVRN 1403
412-624-8727
florean@pitt.edu

Recitation

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

UTAs

Too numerous to list – abundant help is available. A list of UTAs and a schedule for help sessions will be released on Canvas soon.

Office Hours

Tuesday 3:00 – 4:00 and Thursday 1:00 – 2:00. One of these can be virtual if enough interest arises in the class to do this.

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 7*, *November 4*, and *December 2*. The final exam is scheduled for Wednesday *December 14* at 2:00 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 by the TAs will be held a few days before the exams. Times will be announced in class or through Canvas.

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.

Disclaimer

We live in uncertain times. Please be understanding if changes to the presentation mode are required.

Class Environment Issues

This course seeks to provide an inclusive learning environment. This is a broad statement. Specifics are described below. The University requests that we use the precise language that they created for these points. The descriptions are rather lengthy but are useful in describing the best way to seek help if needed.

Academic Integrity

Students in this course will be expected to comply with the University of Pittsburgh's Policy on Academic Integrity. Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an exam, including dictionaries and programmable calculators.

To learn more about Academic Integrity, visit the Academic Integrity Guide for an overview of the topic. For hands- on practice, complete the Understanding and Avoiding Plagiarism tutorial.

Disability Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services (DRS), 140 William Pitt Union, (412) 648-7890, drsrecep@pitt.edu, (412) 228-5347 for P3 ASL users, as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

Equity, Diversity, and Inclusion

The University of Pittsburgh does not tolerate any form of discrimination, harassment, or retaliation based on disability, race, color, religion, national origin, ancestry, genetic information, marital status, familial status, sex, age, sexual orientation, veteran status or gender identity or other factors as stated in the University's Title IX policy. The University is committed to taking prompt action to end a hostile environment that interferes with the University's mission. For more information about policies, procedures, and practices, visit the Civil Rights & Title IX Compliance web page.

I ask that everyone in the class strive to help ensure that other members of this class can learn in a supportive and respectful environment. If there are instances of the aforementioned issues, please contact the Title IX Coordinator, by calling 412-648-7860, or e-mailing titleixcoordinator@pitt.edu. Reports can also be filed online. You may also choose to report this to a faculty/staff member; they are required to communicate this to the University's Office of Diversity and Inclusion. If you wish to maintain complete confidentiality, you may also contact the University Counseling Center (412-648-7930).

Gender Inclusive Language

Language is gender-inclusive and non-sexist when we use words that affirm and respect how people describe, express, and experience their gender. Just as sexist language excludes women's experiences, non-gender-inclusive language excludes the experiences of individuals whose identities may not fit the gender binary, and/or who may not identify with the sex they were assigned at birth. Identities including trans, intersex, and genderqueer reflect personal descriptions, expressions, and experiences. Gender-inclusive/non-sexist language acknowledges people of any gender (for example, first year student versus freshman, chair versus chairman, humankind versus mankind, etc.). It also affirms non-binary gender identifications, and recognizes the difference between biological sex and gender expression. Students, faculty, and staff may share their preferred pronouns and names, and these gender identities and gender expressions should be honored.

Health and Safety Statement

During this pandemic, it is extremely important that you abide by the public health regulations, the University of Pittsburgh's health standards and guidelines, and Pitt's Health Rules. These rules have been developed to protect the health and safety of all of us. The University's requirements for face coverings will at a minimum be consistent with CDC guidance and masks are required indoors (campus buildings and shuttles) on campuses in which COVID-19 Community Levels are High. This means that when COVID-19 Community Levels are High, you must wear a face covering that properly covers your nose and mouth when you are in the classroom. If you do not comply, you will be asked to leave class. It is your responsibility to have the required face covering when entering a university building or classroom. Masks are optional indoors for campuses in which county levels are Medium or Low. Be aware of your Community Level as it changes each Thursday. Read answers to frequently asked questions regarding face coverings. For the most up-to-date information and guidance, please visit the Power of Pitt site and check your Pitt email for updates before each class.

If you are required to isolate or quarantine, become sick, or are unable to come to class, contact me as soon as possible to discuss arrangements.

Religious Observances

The observance of religious holidays (activities observed by a religious group of which a student is a member) and cultural practices are an important reflection of diversity. As your instructor, I am committed to providing equivalent educational opportunities to students of all belief systems. At the beginning of the semester, you should review the course requirements to identify foreseeable conflicts with assignments, exams, or other required attendance. If at all possible, please contact me (your course coordinator/s) within the first two weeks of the first class meeting to allow time for us to discuss and make fair and reasonable adjustments to the schedule and/or tasks.

Your Well-being Matters

College can be an exciting and challenging time for students. Taking time to maintain your well-being and seek appropriate support can help you achieve your goals and lead a fulfilling life. It can be helpful to remember that we all benefit from assistance and guidance at times, and there are many resources available to support your well-being

while you are at Pitt. You are encouraged to visit Thrive@Pitt to learn more about well-being and the many campus resources available to help you thrive.

If you or anyone you know experiences overwhelming academic stress, persistent difficult feelings and/or challenging life events, you are strongly encouraged to seek support. In addition to reaching out to friends and loved ones, consider connecting with a faculty member you trust for assistance connecting to helpful resources.

The University Counseling Center is also here for you. You can call 412-648-7930 at any time to connect with a clinician. If you or someone you know is feeling suicidal, please call the University Counseling Center at any time at 412-648-7930. You can also contact Resolve Crisis Network at 888-796-8226. If the situation is life threatening, call Pitt Police at 412-624-2121 or dial 911.

Sexual Misconduct, Required Reporting, and Title IX

The University is committed to combating sexual misconduct. As a result, you should know that University faculty and staff members are required to report any instances of sexual misconduct, including harassment and sexual violence, to the University's Title IX office. What this means is that as your professor, I am required to report any incidents of sexual misconduct that are directly reported to me, or of which I am somehow made aware. After a report is made, you will be contacted by the Title IX Office for opportunities for support and options for proceeding.

If you are the victim of sexual misconduct, Pitt encourages you to reach out to these resources:

- Title IX Office: 412-648-7860
- University Counseling Center: 412-648-7930 (8:30 A.M. TO 5 P.M. M-F) and 412-648-7856 (AFTER BUSINESS HOURS). This is a confidential resource.
- If you have a safety concern, please contact the University of Pittsburgh Police, 412-624-2121.

Other reporting information is available on the Make a Report page.

Date	Topics	Reading
August 29, 31, September 2	Course introduction, alkanes	Chapter 2
September 5	No class, Labor Day	
September 7, 9	Cyclic alkanes	Chapter 4
September 12, 14, 16	Alkane reactions, petroleum chemistry, halogenation reactions	Chapter 3
September 19, 21, 23	Stereochemistry	Chapter 5
September 26, 28, 30	Acid and base chemistry, substitution (S_N2) reactions,	Chapters 2 and 6
October 3, 5	Substitution (S_N2 and S_N1) reactions	Chapters 6 and 7
October 7	Midterm 1	Chapters 2 – 6 (partial)
October 10, 12, 17	Elimination reactions, review of substitution and elimination	Chapter 7
October 14	No class, fall break	
October 19, 21	Alcohol synthesis	Chapter 8
October 24, 26, 28	Alcohol reactions, ethers	Chapter 9
October 31, November 2	Nuclear magnetic resonance	Chapter 10
November 4	Midterm 2	Chapters 7-9
November 7, 9, 11	Alkene properties, infrared spectroscopy, alkene synthesis	Chapter 11
November 14, 16, 18	Alkene reactions	Chapters 11 and 12
November 21, 23, 25	Thanksgiving recess	
November 28, 30	Alkene reactions	Chapter 12
December 2	Midterm 3	Chapters 10-12
December 5, 7, 9	Alkyne chemistry, catch-up	Chapter 13
December 14	Final Exam, 2:00 PM	Chapters 2-13