

CHEM 0740
UHC Organic Chemistry 2
Spring 2019
MWF 9:00-9:50 am
Tu 5:00-5:50 pm (recitation)
Chevron 154

Instructor: Professor W. Seth Horne

Office: Chevron 1405

Office Hours: Wednesdays 2-3pm and by appointment

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Exam Schedule:

Exam 1	Ch. 14 – Ch. 16	Feb. 6
Exam 2	Ch. 17 – Ch. 20	Mar. 6
Exam 3	Ch. 21 – Ch. 23	Apr. 8
Final Exam		Apr. 24 (Wed), 4:00-5:50pm

(Exam dates above are tentative. Actual dates will be confirmed in class.)

Course materials:

Organic Chemistry, Structure and Function, Seventh Edition by Vollhardt and Schore
Study Guide and Solutions Manual for Vollhardt and Schore text (optional)
Molecular Model Set (optional)

Recitation:

A recitation session will be held weekly. Material covered in recitations will be driven primarily by students. Come prepared with questions about recent lectures, unclear concepts, problems from the text, etc. We will also use recitation time to work through practice problems together.

Peer-Led Recitation:

Voluntary recitation/review sessions will be held weekly (time to be announced the first week of class). These sessions will be led by Elizabeth Schmitz and Arjun Mittal—both students who completed CHEM 0730/0740 last year. The peer-led recitations will include practice problem sets as well as an opportunity to ask questions about concepts from lecture.

Working Problems:

There is no better way to master organic chemistry than by working problems. Besides reinforcing concepts, such practice prepares students to effectively demonstrate their knowledge during exams. At the beginning of each chapter, a list of suggested problems from the book will be provided. While this material will not be graded, completion of these problem sets is strongly encouraged.

Learning Objectives:

At the beginning of each chapter, a file will be posted to CourseWeb with a set of Learning Objectives for that chapter. This document will frame the key concepts to be covered in terms of a set of clearly defined proficiencies. These documents are used heavily in the design of exam questions, and you may find them helpful in guiding

study efforts. Learning objectives for chapters 1-13 will also be posted at the start of the course, summarizing foundational knowledge expected from CHEM 0310 or 0730.

Course Grading:

Each of the three midterms will contribute 20% toward the course grade, and the final will contribute 40%. Make-up exams will not be offered. If you miss a midterm exam for any reason or would like to drop a low midterm score, the best two midterms will contribute 25% and the final 50%. The grading option for each student that gives them the higher score for the course will be automatically applied.

Exam Grading:

If you believe that a part of an exam was graded in error, you may request that it be reviewed. Such requests must be made in writing no later than the next class period after exams are returned. Attach a cover page to the exam identifying which problem(s) you believe were scored incorrectly. The entire exam will be reviewed, the score adjusted if appropriate, and the exam returned promptly. This policy is the only mechanism by which an assigned exam grade will be reconsidered.

Academic Integrity:

Students in this course will be expected to comply with University of Pittsburgh's Policy on Academic Integrity (<http://www.as.pitt.edu/fac/policies/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.

Disability Resources:

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 (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.

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Statement on Classroom Recording:

To ensure the free and open discussion of ideas, students may not record classroom lectures, discussion and/or activities without the advance written permission of the instructor, and any such recording properly approved in advance can be used solely for the student's own private use.

CHEM 0740 Lecture Schedule - Spring 2019

(tentative)

<u>Date</u>	<u>Chapter</u>
Jan. 7, 9, 11, 14	Chapter 14 – Delocalized Pi Systems
Jan. 16, 18, 23	Chapter 15 – Benzene and Aromaticity
Jan. 25, 28, 30	Chapter 16 – Electrophilic Attack on Benzene Derivatives
Feb. 1, 4	Chapter 17 – Aldehydes and Ketones
Feb. 6	Exam 1 (Chapters 14-16)
Feb. 8	Chapter 17 – Aldehydes and Ketones
Feb. 11, 13, 15	Chapter 18 – Enols, Enolates, and the Aldol Condensation
Feb. 18, 20, 22	Chapter 19 – Carboxylic Acids
Feb. 25, 27; Mar. 1	Chapter 20 – Carboxylic Acid Derivatives
Mar. 4	Chapter 21 – Amines and Derivatives
Mar. 6	Exam 2 (Chapters 17-20)
Mar. 8, 18	Chapter 21 – Amines and Derivatives
Mar. 20, 22, 25	Chapter 22 – Chemistry of Benzene Substituents
Mar. 27, 29, Apr. 1	Chapter 23 – Ester Enolates and the Claisen Condensation
Apr. 3, 5	Chapter 24 – Carbohydrates
Apr. 8	Exam 3 (Chapters 21-23)
Apr. 10	Chapter 24 – Carbohydrates
Apr. 12, 15, 17	Chapter 26 – Peptides, Proteins, and Nucleic Acids
Apr. 19	Review Session for Final