

Syllabus CHM 228H Spring 2023

Instructor: Brett Lucht

Office Hours: M 2-3 pm, W 12-1 pm, F 10-11 am Beaupre 374F, 874-5071, blucht@uri.edu

Lecture: MWF 8-8:50, Beaupre 215

Textbook: Organic Chemistry; Solomons, Fryhle, and Snyder; 12th Edition, Wiley.

WILEY PLUS IS NOT REQUIRED

Webpage: Brightspace

- (1) Four exams (100 pts each) will be given on the following dates 2/10, 3/10, 4/7, 4/28. The exam schedule will be maintained in all circumstances. If the University is closed due to weather on the exam date, the exam will be given during the following class session. **No make up exams will be given.** If a student fails to attend an exam the student will be given 0 points for the exam. The lowest exam grade will be dropped.
- (2) Eight unannounced quizzes (20 pts. each) will be given during the lecture session (approx. 6 min). **No make up quizzes will be given.** The lowest quiz grade will be dropped.
- (3) Three in class project based assignments (20 pts each) will be required. These assignments will require students to work together to solve a problem. The lowest quiz/project grade will be dropped.
- (3) The final exam (250 pts) will be **TBD**.
- (4) There are a total of 750 pts possible. **There will be no extra credit work.**
- (5) The last day to drop courses is 3/6.

Lecture Schedule

<u>Date</u>	<u>Chapters</u>	<u>Topic</u>
1/23-1/27	9	NMR and MS
1/30-2/1	11	Alcohols and Ethers
2/3-2/8	12	Alcohols from Carbonyl Compounds
2/10	-	Exam 1
2/13-2/17	13	Conjugated Unsaturated Systems
2/22-2/27	14	Aromatic Compounds
3/1-3/8	15	Reactions of Aromatic Compounds
3/10	-	Exam 2
3/20-3/27	16	Aldehydes and Ketones
3/29-4/5	17	Carboxylic Acids and derivatives
4/7	-	Exam 3
4/10-4/17	18	Reactions of Carbonyl Compounds
4/19-4/26	19	Condensations of Carbonyl Compounds
4/28	-	Exam 4
5/1	-	Review of Semester

Student Learning outcomes:

1. Understand the basic methods to characterize the structure of an organic molecule.
2. Illustrate basic concepts of structure and bonding in aromatic compounds and structural effects on the physical and chemical properties of aromatic compounds.
3. Illustrate basic concepts relating to reactivity of aromatic compounds.
4. Illustrate basic concepts of structure and bonding in carbonyl compounds and structural effects on the physical and chemical properties of organic compounds.
5. Illustrate basic concepts relating to reactivity of carbonyl compounds.

Academic Integrity Academic dishonesty will not be tolerated. It is an unforgivable offense. Students who have been caught cheating or misrepresenting their work will be subject to the disciplinary actions contained in the URI University Manual including failure of the assignment/exam and potentially culminating with expulsion from the University. During exams and quizzes students are not allowed to use or have access to the internet. Simply having a cellphone (e.g.) in their line of site will result in a zero for the exam.