

CHEM 3719R - Organic Chemistry I Recitation - Spring Semester 2020

Dates, Time, Location:

CRN: 21091 T – 6:40 – 7:30 PM, Ward Beecher Hall, Room 6030

CRN: 21092 Th – 6:40 – 7:30 PM, Ward Beecher Hall, Room 6030

Instructor: Dr. John A. Jackson

Office: 5022 Ward Beecher Hall

Office Hours: M,W 4:00-5:00 PM; T,Th 3:30-4:30 PM, 7:45-8:15 PM.

Email: jajackson@ysu.edu **Phone:** (330) 941-1551

Course Website: <http://jajackson.people.ysu.edu/CHEM3719R/index.html>

Course Description & Prerequisites: CHEM 3719R Organic Chemistry Recitation I - 1 s.h.

An introduction to the preparation and analysis of organic compounds. Discussion of CHEM 3719 material and approaches to problem solving. Required for chemistry majors. Concurrent with: CHEM 3719.

Required Course Material: Textbook - Organic Chemistry, 3rd Edition, David R. Klein, ISBN: 978-1-119-35160-3

Tentative Review Schedule:

Chapter 1. A Review of General Chemistry: Electrons, Bonds, and Molecular Properties. Week(s) 1-2.

Chapter 2. Molecular Representations. Week(s) 2-3.

Chapter 3. Acids and Bases. Week(s) 4-5.

Chapter 4. Alkanes and Cycloalkanes. Week(s) 6-7.

Chapter 5. Stereoisomerism. Week(s) 7-8.

Chapter 6. Chemical Reactivity and Mechanisms. Week(s) 9-10.

Chapter 7. Substitution and Elimination Reactions of Alkyl Halides. Week(s) 11-12.

Chapter 8. Addition Reactions of Alkenes. Week(s) 12-13.

Chapter 9. Alkynes. Week 13.

Chapter 10. Radical Reactions. Week(s) 14-15.

Chapter 11. Synthesis. Week 15.

Grading: There will be *thirteen* 10 - 15 minute quizzes worth 10 points each. The top *eleven* quizzes will be used to calculate your score, for a course total of 110 points. Missed quizzes will be counted as scores of zero points. There will be no quiz the first week of classes. The last week of class will be make-up quizzes only. Letter grades will be assigned by the following:

A (100-90%); **B** (89-80%); **C** (79-70%); **D** (69-60%); **F** below 60%.

This grading scale may be lowered, depending upon the difficulty level of the quizzes.

NOTE: CHEM 3719R is a separate class from CHEM 3719, each student in CHEM 3719R will receive a grade solely based upon performance in CHEM 3719R, separate from CHEM 3719.

Course Objectives: The purpose of the recitation section is discussion of CHEM 3719 material and approaches to problem solving. The emphasis of the recitation section is learning problem solving skills in organic chemistry. The focus of CHEM 3719 will be to help the students understand the underlying principles of Organic Chemistry. The students will be able to appreciate the relationship between the structure of an organic compound or intermediate, and its physical, chemical, and/or spectroscopic properties. The material presented in this course provides the necessary foundation for continued studies in organic chemistry, including the mechanisms of organic reactions, organic synthesis, bioorganic chemistry, and other related fields which involve organic molecules.

Incomplete Grade: An incomplete grade of **I** may be given to a student who has been doing satisfactory work in a course but, for reasons beyond the control of the student and deemed justifiable by the instructor, had not completed all requirements for a course when grades were submitted.

<https://catalog.yosu.edu/undergraduate/general-information/academic-policies-procedures/grading-system/>

Mandatory Statement of Non-Discrimination from the University:

Youngstown State University does not discriminate on the basis of race, color, national origin, sex, sexual orientation, gender identity and/or expression, disability, age, religion or veteran/military status in its programs or activities. Please visit www.yosu.edu/ada-accessibility for contact information for persons designated to handle questions about this policy.”

Statement for students with disabilities:

In accordance with University procedures, if you have a documented disability and require accommodations to obtain equal access in this course; please contact me privately to discuss your specific needs. You must be registered with the Center for Student Progress Disability Services, located at located at Kilcawley Center – RM 2082, and provide a letter of accommodation to coordinate reasonable accommodations. You can reach CSP Disability Services at 330-941-1372.

Academic Integrity:

As outlined in The Student Code of Conduct, all forms of academic dishonesty are prohibited at Youngstown State. This includes plagiarism, the unauthorized use of tools or notes in taking tests or completing assignments, fabrication of data or information used for an assignment, working with others without permission from the instructor, and more. A student who is believed to have violated the academic integrity policy will meet with the instructor to discuss the allegations. The student may accept responsibility for the violation and any sanctions selected by the instructor, or they have the right to ask for a hearing before a hearing panel. The full Academic Integrity policy can be found in Article V of The Student Code of Conduct, while further information on University procedures for alleged academic integrity violations can be found in Article V.

Student Learning Outcomes: See CHEM 3719 Syllabus.

Last Day for Withdrawing with a Grade of "W" Wednesday, March 25, 2020.