Recitation for Organic Chemistry I

The University of Toledo
College of Natural Science and Mathematics
CHEM 2430: All Sections

Instructor: Dr. Samantha Schachermeyer
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Office Hours: TR 9:00-11:30 am
or by appointment
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Term: Fall 2018
Class Location: Multiple Areas
Class Day/Time: Multiple Times
Credit Hours: 1

COURSE/CATALOG DESCRIPTION
Optional recitation sections that discuss concepts and solve practice questions in CHEM2410.

COURSE OVERVIEW
In Organic Chemistry I Recitation, you will be improving your understanding of organic chemistry through practice problems and group discussion. This course is designed as a supplement to your lecture course to help you further grasp the material through problem solving and interaction with your fellow students. Attendance and participation will be documented and points will be assigned for both in order to decide your receiving credit for this course.

STUDENT LEARNING OUTCOMES
Upon completion of this course, the student will be able to:
1. Describe the bonding and naming in organic compounds
2. Understand acid-base chemistry
3. Analyze and solve a variety of chemical problems
4. Predict a variety of reactions in organic chemistry

TEACHING STRATEGIES
This face-to-face course is designed to stimulate student’s learning. Active class participation in solving provided problems through a think, pair, share process is utilized. Discussion is highly encouraged!

COREQUISITES
Undergraduate level CHEM1210
REQUIRED TEXTS AND ANCILLARY MATERIALS
There is no required text for this course.

TECHNOLOGY REQUIREMENTS
Materials for lecture and supplemental material will be distributed to the student through Blackboard or via your Rockets email address.

UNIVERSITY POLICIES
It is the policy of the university to comply with all the relevant and applicable provisions of the ADA. The university will not discriminate against any qualified employee, applicant, student, or prospective applicant, with respect to any terms, privileges, or conditions of employment or admission due to a person's disability. The university is committed to making reasonable accommodations and/or academic adjustments for all employees, students, or applicants with disabilities, provided that the individual can safely perform the essential duties and assignments inherent to the job or the program curriculum and provided that any accommodations made do not represent an undue hardship to the institution. Academic adjustments, however, shall not alter the fundamental nature of the programs and courses offered by the university.

Academic Accommodations
The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or you believe you have a disability and would like information regarding academic accommodations/adjustments in this course please contact the Student Disability Services Office.

ACADEMIC POLICIES
Drop, Withdrawal, and Incomplete Grades: Course drop and withdrawal procedures have been set by the University faculty. Pay attention to those add/drop dates as they pass very quickly during the semester! For both dropping the course or withdrawing you should go to Rocket Solution Central in Rocket Hall. You do not need your instructor’s permission for either process. Please note that course registration changes might change your financial aid. A course grade of incomplete is given only to those who have completed all but a small percentage of course requirements for an acceptable reason.

Special Needs: The University is an equal opportunity educational institution. If you have special needs with respect to your participation in this course, please make an appointment to discuss this matter with me, as soon as possible. I will work with you and the Office of Accessibility to make appropriate accommodations for your needs.

Communication: You are urged to communicate with me about any aspect of the course with concerns you or which might limit your success. All email communications need to be addressed to Dr.
Schachermeyer and contain the course name and the students name in the email. Emails will generally be answered within 24 hours. I want you to be successful in this course so let’s work together!

**COURSE EXPECTATIONS**

- Attendance is expected, if you are absent, you are responsible for any material covered in lecture.
- Participation is expected and highly encouraged.
- If you need to arrive late or leave early please sit near the door as to minimize the level of disruption to the class

**GRADING**

You will be given 1 point each day for your attendance.

You will be given up to 3 points per day for participating in lecture. Participation is defined as doing the problems provided, both individually and in groups and then working out those problems on the board and engaging in active discussion about the topic.

65% of the total points for this course will be required to receive credit.

**COURSE SCHEDULE**

Chapter 1 – Structure and Bonding in Organic Molecules

Chapter 2 – Structure and Reactivity

Chapter 3 – Reactions of Alkanes

Chapter 4 – Cycloalkanes

Chapter 5 – Stereoisomers

Chapter 6 – Properties and Reactions of Haloalkanes

Chapter 7 – Further Reactions of Haloalkanes

Chapter 8 – Hydroxy Functional Group: Alcohols

Chapter 9 – Further Reactions of Alcohols and the Chemistry of Ethers

Chapter 11 – Alkenes: Infrared Spectroscopy and Mass Spectrometry

Chapter 12 – Reactions of Alkenes

Chapter 13 – Alkynes

Chapter 14 – Delocalized Pi Systems

The timetable will follow that of the lecture course as closely as possible.