majors Organic Chemistry II Lecture
Department of Chemistry
CHEM-UA.228
Spring Semester, 2020
Tuesday, Wednesday, and Thursday, 3:30 PM to 4:45 PM
Weinstein Hall Room SB22

Instructors:
Lecture: Professor Keith Woerpel (825 Silver)
With Arielle Mann and Collin Witt

Format: This class follows a “non-traditional” format with problem-based learning playing a significantly larger role than lectures. Students will be divided into groups of four to work on a set of problems together each day. Answers to these problems will be posted on NYU Classes after class. The instructors will be available to respond to questions during the class period. Attendance at the problem sessions is expected. I have tried to make the problems fit our time together, but it is possible that some problems may require a little extra time. Please bring questions you have about any problems to the next class period.

Objective: The goal of this course will be to provide a solid foundation in organic chemistry to prepare students for taking additional courses in chemistry. Both the lecture and laboratory are designed for chemistry majors, although you do not need to be a major to take the course. You will be treated as majors, however; we will assume that you are taking this course because you are interested in the material and need it for advanced study.

Textbook: M. Jones, Jr., and S. A. Fleming, Organic Chemistry, Fifth Edition, W. W. Norton, New York, 2014. The accompanying solution manual is helpful, too, although be aware that in some cases not all steps for mechanisms are shown in the manual (such as acid-base reactions).

Prerequisite: Organic Chemistry I & Laboratory

Course Content: We plan to cover Chapters 13–19 and 23, and possibly 20, although this plan could change.

Preparation for Class: Students should read each chapter before coming to the first class that discusses that material. Because some chapters may take more time than we anticipate, you will need to be attuned to what we are covering in class so you are prepared.

Tentative Start Dates for Each Chapter: These dates are subject to change, but this list will at least give you a rough idea of our timing.
Chapter 13: January 28, 2020
Chapter 14: February 5, 2020
Chapter 15: February 12, 2020
Chapter 16: February 26, 2020
Chapter 17: March 12, 2020
Chapter 18: March 26, 2020
Chapter 19: April 9, 2020
Chapter 23: April 29, 2020
(Chapter 20 if we get to it: May 6, 2020)
Problems: Problems from the text will be suggested to prioritize the acquisition of important knowledge and skills. Problems from class and those assigned from the textbook will form the basis for quizzes to help you stay current on the course material. Please note that all problems in the book should be done: the ones not suggested have, in the past, appeared in some form on quizzes and examinations.

Groups: Groups of about four will be formed to work together. Our goal is to have you choose your partners, but we will also be there to help. Considering the high rate of turnover between Majors Organic I and this class, that if you are veterans of this class that your table make room for at least one person who may be new to this system. That will help them at the same time providing some fresh eyes for your group. On Thursday, January 30, 2020, please submit the form indicating who you would request as a partner or partners for the problem session. We will have the assignments made by the next class period.

Office Hours: The best time to talk with Professor Woerpel about chemistry will be after class. Generally, other events are not scheduled that late in the day, so that makes an ideal time. Office hours with Professor Woerpel will be Friday, 1:00-2:00 PM, 8th Floor Silver (enter on Washington Place side), beginning the second week of class; periodically, departmental colloquia or other meetings might require the time to be moved, but students will be notified in advance. These hours will be devoted to chemistry. If there are questions of a nature that does not involve chemistry, please make arrangements separately.

Exams: Considering that this course is intended for majors, the examinations will not be the same as for other sections of Organic Chemistry II because the coverage and depth will be different. Scores will be curved, however, but we will not have a sense of how the lecture portion of grades will break down until late in the semester when we have sufficient statistics. All exams and quizzes will be graded; none will be dropped.

Lecture Grade: Your scores in the lecture portion of the course will account for 75% of the overall grade for the class; laboratory will account for the remaining 25%. Of the lecture portion, the breakdown of points will be:
Quizzes (15 minutes each): 20% total
Midterm Examinations (75 minutes each): 40% total
Final Examination (110 minutes): 40%

Examination Dates: Please note that we will not be using the Friday exam days.
Quiz 1: Tuesday, February 11
Quiz 2: Wednesday, February 19
Quiz 3: Wednesday, February 26
Midterm 1: Tuesday, March 3
Quiz 4: Wednesday, March 25
Quiz 5: Wednesday, April 1
Midterm 2: Tuesday, April 7
Quiz 6: Wednesday, April 22
Quiz 7: Wednesday, April 29
Quiz 8: Wednesday, May 6
Final examination: Monday, May 18, 10:00 AM –11:50 AM (location to be determined)

Exam Policy: If you do not submit a quiz, midterm, or final, scores will be recorded as 0 points unless Professor Woerpel is given written documentation that there was a valid reason for you
to miss the assignment. In the case of the final examination, an excused student can take the final examination for Organic Chemistry II in a subsequent semester, and that grade will be used to assign a grade. Although effort has been made to avoid time conflicts, in the case of religious holidays conflicting with assignments, please contact Professor Woerpel; NYU's policies will be followed (http://www.nyu.edu/about/policies-guidelines-compliance/policies-and-guidelines/university-calendar-policy-on-religious-holidays.html). The best policy in all cases is to let Professor Woerpel know as soon as possible, generally before the assignment, so arrangements can be made smoothly. If advance notice is not possible, please arrange for the excuse within three days of the date the assignment occurred. Exams are comprehensive and closed book. Plastic molecular models are permitted.

**Regrade Policy:** Those of us who grade assignments sometimes make mistakes. If you feel that we have made an error, use the form (available on the course website) to indicate the specific problem you would like us to focus on, and provide a scientific reason why the question should be regraded. Submit all regrades within one week of exam return. **Make no marks on your graded paper.** Turn the paper and form in to Professor Woerpel. We will look over the entire paper and repair grading errors. Any marks or modifications anywhere on an assignment that is submitted for regrading will be interpreted as academic dishonesty. Refer to NYU's policy on academic integrity (https://cas.nyu.edu/content/nyu-as/cas/academic-integrity.html) for the definitions, procedures, and consequences associated with academic integrity issues.

**Other Policies:** The withdrawal date for Spring 2020 will be Friday, April 3. After this date, students will have to petition their dean for a late withdrawal.