

Majors Organic Chemistry II Lecture

Department of Chemistry

CHEM-UA.228

Spring Semester, 2018

Tuesday, Wednesday, and Thursday, 3:30 PM to 4:45 PM

Weinstein Hall Room SB22

Instructors:

Lecture: Professor Keith Woerpel (825 Silver)

With Cicely Shillingford (Ph.D. candidate) and Olivia Cullen (B.S. candidate)

Format: This class follows a “non-traditional” format with problem-based learning playing a 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 will be taken.

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.

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 (such as acid-base reactions).

Prerequisite: Organic Chemistry I & Laboratory

Course Content: We plan to cover Chapters 13–20 and 23, 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 23, 2018

Chapter 14: January 31, 2018

Chapter 15: February 7, 2018

Chapter 16: February 21, 2018

Chapter 17: March 7, 2018

Chapter 18: March 24, 2018

Chapter 19: April 3, 2018

Chapter 23: April 18, 2018

Chapter 20: May 2, 2018

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 examinations.

Groups: Groups of four will be formed to work together. By the end of class, Wednesday, January 24, 2018, please submit the form indicating who you would request as a partner for the problem session. The two of you will be assigned another pair of students to form a group.

Office Hours: Office hours with Professor Woerpel will be Friday, 2:00-3:00 PM, 8th Floor Silver (enter on Washington Place side), beginning the second week of class. These hours will be devoted to chemistry. Professor Woerpel will also usually be available to answer questions about chemistry after class. If there are questions not involving 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 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 6

Quiz 2: Tuesday, February 13

Quiz 3: Tuesday, February 20

Midterm 1: Tuesday, February 27

Quiz 4: Tuesday, March 6

Quiz 5: Tuesday, March 27

Quiz 6: Tuesday, April 3

Midterm 2: Tuesday, April 10

Quiz 7: Tuesday, April 24

Quiz 8: Tuesday, May 1

Final examination: Thursday, May 10, 4:00 PM – 5:50 PM

Exam Policy: If you do not submit a homework, quiz, midterm, or final, scores will be recorded as 0 points unless Professor Woerpel is given notice from the Deans' Office 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. In the case of religious holidays conflicting with assignments, please contact us; 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 as soon as possible,

preferably before the assignment. 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: Starting Spring 2018 withdrawal dates will no longer be extended for students in chemistry courses. The withdrawal date for Spring 2018 will be March 30. After this date, students will have to petition their dean for a late withdrawal.