

Fall 2009
Organic Chemistry 1 - CHEM 321
111 Royal Hall
MWF 1:00 - 1:50 pm

Instructor: Professor Kathleen V. Kilway
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Webpage: The chapter outlines, last year's exams, homework assignments, the most recent syllabus, and any other general announcements for CHEM 321 on the web <http://cas.umkc.edu/chem/Faculty/courses/Kilway/2002ochem.htm>. There will be audio recordings available via streaming audio. The access information will be given at a later date.

Prerequisite: A grade of a C- or better in CHEM 211 (with lab) and 212R (with lab) or the equivalent courses is required for this course. There is also a co-requisite of CHEM 321L.

Text: The required text is the third edition of "Organic Chemistry" Maitland Jones, Jr., W.W. Norton & Company, New York, 2005 (ISBN 0-393-92408-4). *The "Study Guide / Solutions Manual"* (ISBN 0-393-924058-0) and a molecular model kit are also highly recommended. There are used books and solutions manuals. Also available this Fall is an Organic Chemistry Book package. It contains the text, solutions manual, and a CD ROM of reaction mechanisms.

Objectives of this Course: This course is the first of a two-semester course in organic chemistry. The course will cover the areas of atoms, atomic bonding, molecules, molecular bonding, alkanes, alkenes, and general reactions (Chapters 1 – 10). A thorough understanding of Organic Chemistry I is needed for the basis of the second semester.

Class Attendance: Attendance at lecture will be recorded on a regular basis, and it is very important for a thorough understanding of the material. It is also very important in cases such as changes to the schedule, class assignments, and quizzes. It is the responsibility of the student **not the instructor** to obtain the material covered in class.

Exams: Three regular exams will be given during the course of the semester, each covering 2 – 4 chapters. You will be given approximately 80 minutes to take the exam (from 12:30 – 1:50 PM in HH 201 or 1 – 2:20 PM in RH 111). If you are unable to make an exam, this one will be the exam that will be replaced with the final. Earlier exams will be given only in extreme circumstances ONLY IF PRIOR approval is granted by the instructor. These makeup exams will be given **before not after** the regular scheduled exams. Regrades for exams are due by 1 PM the class period after the exam has been returned. **No exceptions.**

There will be homework assignments (5 points per chapter) totaling 50 points. The homework is due by 5 PM (preferably in class or 510H FH) the class period after the chapter is completed in class. There will be a one-point/day penalty for the late homework. It is strongly advised that the student completes all homework problems in the textbook in order to understand the material and perform well on the exams. Student collaboration is encouraged and as such, only one set of homework needs to be submitted per group (**no more than 2 students**) for credit.

A comprehensive final exam will be administered on **WED. DEC. 16 FROM 1 – 3 PM**. Each regular exam will count 100 points, homework assignments (total 50 points), and the final exam as 200 points, for a total of 550 points. If you perform better on the final than one of the other exams, you can replace that score with your average score on the final.

Grading: No exams will be dropped but if the final average is higher than one of the tests, the final will replace that exam. The grade cutoffs will not be raised. No other "extra" credit nor incompletes will be given after the final has been given. Grades will not be curved but computed numerically and assigned using the following scale: **90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F**

Office Hours: Office hours will be announced in class. There will be problem sessions with the instructor throughout the semester. Attendance is not required. Normally, walk-ins outside of office hours will not be

accepted, but please come and see the instructor if there is a problem. There are two supplemental instruction leaders assigned to this class [Amy Kucharo (akkf22@umkc.edu) and Phillip Hawkins (plhcm3@umkc.edu)], both of whom took the class with me. Their sessions and office hours will be announced in class. Names of tutors are available at both the Chemistry and the Pharmacy Departmental Offices. We will also have a peer-tutoring program this semester. These times and room assignments may change throughout the semester so refer to the webpage for updated information.

Cheating: Academic dishonesty will not be tolerated in this course. Please read the appropriate section in your student manuals. If caught, the student will receive a failed grade for the course. The College of Arts and Sciences has asked instructors to include definitions of plagiarism. The Department of Chemistry abides by these definitions. Please see the definitions below for any questions.

Grievance Procedures and Conduct of the Class: Any grievance about grading and/or conduct of the class should be taken up first with the Instructor. Further comments and complaints should be addressed to the Chemistry Department Chair only after the Instructor has been consulted. This class will be conducted in compliance with UMKC's Affirmative Action/Equal Opportunity and Sexual Harassment Policies (see UMKC General Catalog).

Laboratory Exams: There will be two CHEM 321L exams given on Saturdays and are listed below.

Copyright: Course material (e.g., course outlines, handouts, recordings) is to be used only in the context of the course.

Tentative Schedule: This schedule is **tentative and subject to change** during the course of the semester. Any changes will be announced in class. It is the responsibility of the student to be aware of the changes.

8/24	Chapter 1 and course outline	10/23	Chapter 7
8/26	Chapter 1	10/24	Lab Exam
8/28	Chapter 1	10/26	Chapter 7
8/31	Chapter 1/2	10/28	Chapter 7/8
9/2	Chapter 2	10/30	Chapter 8
9/4	Chapter 2	11/2	Chapter 8
9/7	NO SCHOOL, LABOR DAY!!	11/4	Chapter 8
9/9	Chapter 3	11/6	Chapter 8/9
9/11	Chapter 3	11/9	Chapter 9
9/14	Chapter 3	11/11	Chapter 9
9/16	Chapter 3	11/13	Exam 3
9/18	Exam 1	11/16	Go over Exam 3 and Chapter 9
9/21	Go over Exam 1 and Chapter 4	11/18	Chapter 9
9/23	Chapter 4	11/20	Chapter 9
9/25	Chapter 4	11/23	THANKSGIVING HOLIDAY!!!!
9/28	Chapter 4	11/25	THANKSGIVING HOLIDAY!!!!
9/30	Chapter 4	11/27	THANKSGIVING HOLIDAY!!!!
10/2	Chapter 5	11/30	Chapter 10
10/5	Chapter 5	12/2	Chapter 10
10/7	Chapter 5/6	12/4	Chapter 10
10/9	Chapter 6	12/5	Lab Exam
10/12	Chapter 6	12/7	Chapter 10
10/14	Chapter 6	12/9	Review
10/16	Exam 2	12/11	Reading Day - Review
10/19	Chapter 7	12/16	FINAL EXAM from 1-3 pm
10/21	Chapter 7		

9/15 Graduation application filing deadline.

10/16 Last day to withdraw without assessment.

11/13 Last day to withdraw with assessment (no WF given for this course)

9/23 and 11/4 WEPT exam, Royall Hall, Rm 111. Academic calendar: www.umkc.edu/registrar/acal.asp

Homework Assignments:

Chapter 1 – 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 19, 20, 21, 22, 23, 26, 29, 30, 31, 32, 33, 35, 36, 41, 48, 50, 51.

Chapter 2 – 1, 4, 5, 8, 9, 11, 14, 16, 22, 23, 24, 25, 27, 33, 35, 38, 40, 41, 43, 48, 50, 51, 53, 54, 55.

Chapter 3 – 3, 4, 5, 7, 11, 12, 13, 16, 22, 23, 26, 27, 30, 31, 32, 36, 38, 40, 41, 43, 44, 50.

Chapter 4 – 1, 2, 3, 4, 5, 10, 11, 17, 18, 19, 20, 21, 22, 24, 26, 27, 29, 32, 33, 37, 42, 44, 46.

Chapter 5 – 2, 5, 7, 9, 10, 14, 17, 18, 19, 20, 22, 26, 28, 33, 35, 37, 38, 41, 45, 46.

Chapter 6 – 1, 2, 4, 5, 7, 8, 14, 15, 19, 20, 21, 23, 24, 26, 27.

Chapter 7 – 1, 4, 5, 11, 12, 17, 19, 21, 22, 23, 25, 27, 28, 32, 35, 36, 38, 39, 40, 42, 50, 51, 54, 57, 60, 61, 62, 63.

Chapter 8 – 1, 2, 6, 7, 14, 17, 20, 21.

Chapter 9 – 3, 4, 5, 6, 8, 9, 14, 21, 22, 23, 25, 26, 28, 31, 32, 34, 36, 41, 42, 44, 47.

Chapter 10 – 1, 3, 5, 8, 9, 10, 11, 17, 21, 22, 23, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 41, 42, 45, 46, 55.

Definitions:

1) UMKC General catalog:

"The term plagiarism includes, but is not limited to: (i) use by paraphrase or direct quotation of the published or unpublished work of another person without fully and properly crediting the author with footnotes, citations or bibliographical reference; (ii) unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; or (iii) unacknowledged use of original work/material that has been produced through collaboration with others without release in writing from collaborators."

2) Department of English

"...You plagiarize any time you use the words or thoughts of another person in your work without attribution. This includes copying passages, phrases, and significant terms without giving the proper citation. It also includes close paraphrasing. You can even plagiarize an idea if you try to pass it off as your own. ..."

3) High-school/college Dual Credit program (English 110) [modified]:

"Plagiarism is the use of another person's writing or ideas without giving that person credit by means of source citation and (in some cases) quotation marks. All source material, whether presented through direct quotations or through summary, paraphrase, or precis, must have an adequate source citation.

"...plagiarism may ... involve the use of either the actual wording of the source material or the ideas presented there."