

Department of Chemistry

Chemistry 720

Organic Chemistry II

Summer 1996

Professor: Dr. Allen D. Hunter (Office - Room 5015, Ward Beecher Hall) 742-7176.
(NMR and X-Ray Labs, Rooms 5031 and 5020/24) 742-2261

- Textbooks:
1. Fox and Whitesell, "Organic Chemistry", 1st Edition, Jones & Bartlett, 1994 (required).
 2. Fox and Whitesell, "Organic Chemistry: Study Guide and Solutions Manual", 1st Edition, Jones & Bartlett, 1994 (required).
 3. Lab Coat, Safety Glasses, Paper Towels, Notebook, etc., for the lab (required).
 4. Molecular Model Set (recommended).

Lecture: Section 0557: M, T, W, & Th; 8:00 to 9:20, WB 5025

Office Hours: Monday 1:00-2:00. Tuesday and Thursday 9:30 to 11:30 (I'll be in WB 5015 (my office), WB 5037 (the Organic Lab), WB 5031 (the NMR lab), or WB 5024/5020 (the X-ray lab)).

Tentative Schedule of Lectures and Exams*

Week(s)	Chapter(s)	Title
1		Introduction to Chemistry 720 and Review
1	7	Mechanisms of Organic Reactions
1-2	8	Nucleophilic Substitutions at sp ³ -Hybridized Carbon
2-3	9	Elimination Reactions
3	1st mid-term	Monday, August 5th. Cumulative to the end of Chapter 8 {Note: the last day to withdraw with a W is August 12th.}
3-4	10	Electrophilic Addition to Carbon-Carbon Multiple Bonds
4	11	Electrophilic Substitution of Aromatic Molecules
5	2nd mid-term	Monday, August 19th. Cumulative to the end of Chapter 10, emphasis on Chapters 9 and 10
4-5	12	Addition and Substitution by Heteroatomic Nucleophiles at sp ² -Hybridized Carbon
5	final-exam	Thursday, August 22nd. Cumulative, emphasis on Chapters 11 and 12

* This schedule is tentative and the order and relative weighting of topics covered may be revised as the class progresses.

GRADING SYSTEM	TOTAL POINTS
Laboratory	100
1st Midterm Exam (Monday, August 5th)	100
2nd Midterm Exam (Monday, August 19th)	100
Final Exam	<u>150</u>
Total	450

A	90 - 100%
B	78 - 89%
C	65 - 77%
D	50 - 64%
F	Below 50%

Exams: The mid-term exams will be given on August 5th and 19th. ***MAKE-UP EXAMS WILL NOT BE GIVEN.*** Absences that have not been approved in advance will result in a grade of **ZERO** for that exam. Approved absences for sporting events, holidays, car breakdown, etc. will be given **only** if I am informed in advance and only if I agree. Absences for health reasons or family emergencies must be discussed with me within 24 hours of the missed exams for approval to be granted. The points for exams missed during approved absences will be applied to the final exam. An exam must be submitted for re-grading within 48 hours after it has been returned. The whole exam will be re-graded, not just single questions. [Note: Representative exams are photocopied before they are returned. These photocopies are compared to the originals returned for re-grading to check if answers have been altered.] **You must bring photo ID with you when you write exams and place it on the desk top.**

Attendance: Lecture attendance is mandatory and students are responsible for all information, material, and announcements made in class.

Assigned Problems: I will assign mandatory problems from the text and other sources regularly. These will not be graded but are very important!

Repeating the Class: When repeating a course, the Chemistry Department has decided that it is in the best interest of our students to have all students repeat the entire course, *including the current laboratory!* To pass the course, you must obtain a grade of at least 70% in the laboratory portion and you must have successfully completed all of the scheduled experiments.

Safety: The potential of risk is present in some lecture demonstrations and laboratory experiments. Accidents have been rare, but have happened. Faculty and staff members exercise great care to minimize and, where possible, eliminate all potential hazards. Additionally, minimization of risks requires that students come well prepared for each assigned exercise and are attentive in class. Safety glasses must be worn in the laboratory at all times. If you have a condition (e.g., chemical sensitivity, pregnancy) that might affect your laboratory safety, discuss it with your physician and instructor and alternate arrangements for the lab may be made. Contact the instructor immediately if you have any questions on this or any other safety issues.

Incomplete grade policy: The University incomplete grade policy has been changed. If no formal grade change occurs within one year, the "I" automatically converts to an "F". If graduation occurs within the one-year time period, the Incomplete Grade will be converted to an "F" before graduation.

Materials fees: The materials fees collected for this laboratory course are used to partially defray the cost of replacing expendable materials and obsolete equipment, repairing equipment, and obtaining new equipment appropriate for student use in state of the art instruction in the laboratory science of chemistry.

Academic Honesty: In accordance with university policy and professional standards, the highest levels of academic integrity are expected in this lecture and lab. The code of student conduct will be strictly enforced. Academic dishonesty will result in reductions in grades and/or expulsion from this class and/or the university.