

Chemistry 3230 Organic Chemistry I Spring 2000

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LECTURE TIMES: Tuesday, Thursday 9:10 10:25
RECITATION: Friday 12:00 12:50

TEXT/MATERIALS: These are available at the Columbia University Bookstore.

Required:

1. Jones, Maitland, Jr. *Organic Chemistry*, 1st Ed., W.W. Norton, 1997.
2. Molecular models are a MUST. The set I recommend and that we will use in this course is the one from Prentice-Hall (yellow box). The Darling models (green box) are convenient and many students prefer them, but I think they are less informative.

Optional

1. Jones and Gingrich, *Organic Chemistry Study Guide*, 1st Ed., W.W. Norton, 1997.

RESERVE MATERIALS

1. Jones, Maitland, Jr. *Organic Chemistry*
2. Jones and Gingrich *Organic Chemistry Solutions Manual*
3. Carey, F.A. *Organic Chemistry*
4. Carey and Atkins *Organic Chemistry Solutions Manual*
5. Solomons, T.W.G. *Organic Chemistry*
6. Solomons, T.W.G. *Organic Chemistry Solutions Manual*
7. Weeks, D.P. *Pushing Electrons*
8. Levi, Primo *The Periodic Table*
9. Woodward, R.B. *Art and Science in the Synthesis of Organic Compounds: Retrospect and Prospect*
10. *On Being a Scientist*, National Academy Press, Washington, D.C., 1989
11. Reserves Folder will contain answers to problem sets, exam answer keys, and other miscellaneous materials

WEB-BASED MATERIALS:

All Reserves Folder materials, including this course information sheet, the syllabus, problem sets, problem set solutions, and exam solutions, will be available via the course website. The website will eventually replace the library Reserves Folder as the repository for copies of class handouts and solution sets, so please become comfortable with downloading course materials.

The course website also includes a bulletin board feature, allowing students to post comments and questions and, hopefully, to co-operate electronically in problem solving. I will use the bulletin board to reiterate class announcements and for immediate posting of late-breaking course news. Students may also communicate directly with me via e-mail.

EXAMS AND GRADING:

There will be **three 1h 15 min exams**, given during the lecture period on the following dates:

Tuesday, February 15

Thursday, March 9

Thursday, April 13

The **final exam** is scheduled for

Thursday, May 11, 9:00 – 12:00

Course grades will be based on the three exams (20% each) and the final (40%).

All three exam grades will count toward your final grade. There will be no dropped grade. Check your calendars **now** against this exam schedule in order to avoid any conflicts. **The size of this class absolutely precludes rescheduling of examinations because of conflicts with other exams, work in any other class, or travel plans.**

I will permit make-up exams only in the absolute direst of circumstances. You are entitled to a make-up examination only for one of three reasons: (1) a **serious illness** requiring a visit to the health service or bed rest, (2) a **pressing personal or family emergency**, or (3) a conflict with a **religious observance**, made known to me in **advance**.

If you are unable for one of these reasons to take an exam, you must contact me in advance if at all possible and in all cases within 48 hours of the scheduled exam time to schedule a make-up. If you do not take an exam and I do not hear from you, I will assume that you have withdrawn from the course and drop you from the roster.

OFFICE HOURS: Office hours are held in Altschul 806.

Monday	9	10
Tuesday	2	3
Wednesday	5	6
Thursday	3	4

Students regularly comment that attending office hours makes a big difference in mastering the course material and doing well on exams. I encourage you to build at least one office hour into your schedule each week.

Office hours are usually well attended. If you have concerns that you would like to discuss with me individually, please e-mail me and we will try to arrange an appointment at a mutually convenient time.

FRIDAY RECITATIONS:

The Friday recitations are devoted to problem solving and will be more interactive than the Tuesday and Thursday lectures. You will receive important hints on how to approach the sorts of problems that you are likely to encounter on exams. **You need to come to the Friday sessions. They are an integral part of this organic chemistry course.**

PROBLEM SETS:

A problem set will be distributed each Friday. The problems will help you learn to apply the material discussed in lectures and will also lead you to think about new aspects of the reactions introduced in class. Though you will not hand in these assignments, you are responsible for mastering the material presented in the problem sets. **The best way to prepare for the exams is to carefully work through the problem sets as well as the assigned text problems.** Answers to each problem set will be posted in the reserves after one week.