Syllabus for Organic Chemistry B
Chemistry 224, Section 007
3.0 Semester Hours
Spring Semester, 2007

Lecture: M,W,F --- 2:45-3:35 p.m., FH-133

Discussion Section: Th --- 1:00-2:15 p.m., FH-7
(The first such session, for discussing topics new to the second semester of organic chemistry, will be held on Thursday, January 25. On Thursday, Jan. 18, the discussion section (1:00 – 2:15 p.m., FH-7) will be used to review spectroscopy.

Instructor: Dr. Babler (Office: FH-209-210)

Office Hours: M,W: 3:45-5:15 p.m.
Th: 3:30-4:30 p.m.
F: 2:00-2:30 p.m.
Other times by appointment, please.

Prerequisite: Organic Chemistry 223 or its equivalent. NOTE: If you received a final grade of D+, D, F, W, or WF in CHEM 223 last semester, you are not allowed to take Organic Chemistry B this semester.

Content: This course is the second semester of a comprehensive survey of aliphatic and aromatic organic chemistry, with particular emphasis on reactions. The topics include: aromatic compounds including phenols and aryl halides; aldehydes and ketones; amines; carboxylic acids and their derivatives; lipids such as fatty acids and triglycerides; and carbohydrates.

Assignments: Students are strongly advised to read the assigned pages in the recommended textbook and to work some of the suggested problems (listed on the attached sheet) from that book. However, there will be no formal homework assignments!

Attendance at the scheduled discussion section is strongly recommended, but not required. Except on the days indicated below, the instructor will generally use the time allotted for discussion section to answer students’ questions and to work some of the recommended problems from Wade’s textbook.

On Thursday, Feb. 15, the regular discussion section (1:00-2:15 p.m., FH-7) will be used to work problems (from exams previously given in CHEM 222/224) on aromatic compounds, carbonyl nomenclature, etc. in preparation for Hour Exam I on Friday, Feb. 16. Similar arrangements will be made prior to the other hour exams.

NOTE: Even though attendance at the discussion section is optional, those weekly sessions are a valuable part of the course since they offer the students the opportunity to ask questions and/or request that certain topics be clarified or explained in greater detail. Due to the vast number of topics that an organic instructor is required to cover during the formal course lectures, little (if
any) time is available to answer students’ questions during the lecture section. If you do have an urgent question that arises during the lecture, and you prefer not to wait until the next discussion section, feel free to ask such questions at the end of the lecture section.

**Grading:** Three “hour examinations” will be given during the semester, as well as a final examination.

<table>
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<tr>
<th>Distribution of points:</th>
<th>Hour Exam I: 135</th>
<th>Hour Exam II: 100</th>
<th>Hour Exam III: 140</th>
<th>Final Exam: 250</th>
<th>Total: 625pts.</th>
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<tr>
<td>A = 500-625; B+ = 460-499; B = 400-459; B- = 360-399; C+ = 310-359; C = 250-309; C- = 210-249; D+ = 165-209; D = 125-164; F = 0-124 points.</td>
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NOTE: There is no penalty if a student misses an hour exam; instead, his/her final exam score will be used to determine a larger % of the final grade. For example, if one misses the second hour exam, his/her final examination score would represent 56% (i.e., 350 pts.) of the final grade! No make-up hour exams and no “early” hour exams will be given!

**WARNING:** Since you are allowed to use an 8-1/2 x 11” sheet of notes as an aid during the final examination in this course, some of you may be tempted to skip the hour exams. Despite the availability of such notes during the final exam, it usually proves to be quite difficult; and therefore, you should miss an exam only in case of serious illness and the like!

Hour Exam I will be given on Friday, February 16; Hour Exam II will be administered on Friday, March 16; and Hour Exam III is scheduled for Friday, April 20. The final exam for this course is comprehensive and will be given on Thursday, May 3 at 1:00 p.m.-3:00 p.m. (Central Daylight Savings Time!). No “early” final exams will be administered!

The Chemistry Department administers make-up final exams (different from the regular final exam) to those students who have a legitimate excuse (e.g., death in the immediate family; serious illness --- which does not include organophobia!; a court appointment that cannot be rescheduled, etc.). If for one of the latter reasons you are unable to take the regularly scheduled final exam, please inform the instructor (e-mail: jabbler@luc.edu) promptly --- but no later than 48 hours after the date of the final exam --- so that a final grade of “I” can be assigned to you.

NOTE: A grade of “I” will not be assigned to you unless you can verify that there was a valid reason for your missing the final exam (e.g., hospitalization or death in the immediate family). Even if your final grade is an “I,” you are still required to take a “make-up” final exam or the “I” will be converted to an “F” by the Dean’s office.

NOTE: Oversleeping; forgetting what day it is; not being “ready to take a final exam yet;” etc., are not valid excuses for missing the final exam. The Chemistry Dept. will not accept such explanations from students, and a grade of “0” will be assigned for your final exam score!
The last day to withdraw from class with a grade of “W” is Monday, March 26. After this date, the Dean’s office will automatically assign the grade of “WF” when a student withdraws from the course (except for cases in which the student is hospitalized or encounters some very serious difficulty). NOTE: In regard to advice concerning a decision to withdraw (or not) from CHEM 224, each student will meet briefly with the instructor sometime after Hour Exam II (but prior to March 26) to discuss his/her progress in the course. If you have taken neither of the two exams given in the course at this stage of the semester, you are strongly advised to withdraw from the class.

You also have the option of selecting the textbook that will be used by students enrolled in CHEM 222 (the chemistry majors’ course): Organic Chemistry: Structure and Function, Fifth Edition, by Vollhardt and Schore. A list of suggested readings and problems from that textbook can be given to you if you choose the latter textbook. NOTE: Wade’s textbook is used in all of the other sections of CHEM 224.

Recommended: A copy of the study guide for Wade’s textbook (available at the bookstore).

Optional: As a possible study aid, you may want to consider purchasing “OrgoCards”, a sophisticated variation on the “flashcard” study method. The list price for a large box of these review cards was $18.95 as of October, 2002. “OrgoCards” (ISBN 0-7641-7503-3) are available for purchase at Borders or you can refer to: www.barronsedu.com.

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Supplementary Textbooks:


