Chemistry 232-001, Fall 2006
Organic Chemistry II (3 credit hours)
Course Description and Syllabus

Class times: MWF 10:00 – 10:50 a.m., CP-139
Professor: John P. Selegue
Office: CP-11
Office phone: 257-3484
Email: selegue@uky.edu
Office hours: MWF 11:00 - 11:50 a.m.
Help sessions: (CP-320) Tuesdays, 5:00 – 5:50 p.m.
Optional: Study Guide and Solutions Manual for Jones
Molecular model set (UK bookstore offers one, but any style will do)

Course content:
CHE 232 is the second course of a two-term sequence. This course concentrates on the reactivity of functional groups and structures, including methods of organic synthesis. We will also cover selected spectroscopic methods (infrared and nuclear magnetic resonance spectroscopy, mass spectrometry) for the characterization of organic compounds. At the conclusion of this course, students who have learned the material will understand the chemistry of multifunctional molecules, the patterns of reactivity needed to design syntheses of molecules, as well as be able to describe how the structure of organic compounds is assigned by using spectroscopy. In addition, successful students will be able to demonstrate an understanding of the reactivity of organic compounds through reaction mechanisms and to explain the kinetic and thermodynamic underpinnings of each mechanistic step.

Grading:
Attendance is required. The course will be graded on the basis of four exams (90%) and electronic homework (ACE, 10%). If you are not already registered for ACE Organic, please contact me by email for an access code. The percentage of correct answers on ACE will determine the score on the homework component of the grade. I strongly advise that each student work problems from the textbook, to be recommended at the beginning of each chapter.

Examination policies:
September 20: Exam 1 (20% of final grade)
October 20: Exam 2 (20% of final grade)
November 20: Exam 3 (20% of final grade)
December 13, 10:30 a.m. –12:30 p.m. Final exam (30% of final grade)
Any student with a legitimate conflict with an exam time must inform me in writing, according to University regulations in the University of Kentucky Bulletin, the Student Rights and Responsibilities manual or at:
http://www.uky.edu/Registrar/bulletinCurrent/toc2.htm
Although not required by University procedures, I would appreciate receiving notice of scheduled absences during the first two weeks of class. A seating chart will be posted before each exam. Please arrive at your assigned room and be in your seat at least 5 minutes before the beginning of the exams.
Be prepared to show your student identification card or other photo ID at each exam. You will be permitted to use molecular models, but no other materials unless specified, during each exam. Although exams will emphasize material covered since the last exam, the additive nature of chemistry means that all exams are cumulative. Copies of previous years’ exams will be posted on the course web page: [www.chem.uky.edu/courses/che232](http://www.chem.uky.edu/courses/che232)

If you disagree with the grading on an exam, please submit it to me with a brief explanation of what you would like to be re-graded within one week of the return of the exam.

Grades will be assigned according to the tentative scheme. These ranges may be lowered according to student performance, but will not be raised.

- 85%-100% A
- 75-85% B
- 60-75% C
- 50-59% D
- <50% E

**Make-up exams, special needs:**

A student that misses an exam because of a legitimate excused absence as described above will be offered an alternate time to take the exam. Make-up exams must be completed within one week of the original exam date. If an exam is missed without an excused absence, a score of 0 will be recorded for that exam. If you need special accommodations for exams, please present written documentation within the first 2 weeks of the course.

**Academic offenses, including plagiarism:**

New rules about plagiarism and other academic offenses have gone in effect in Fall 2006. Links to these rules are found at the UK Ombud’s site: [http://www.uky.edu/Ombud/](http://www.uky.edu/Ombud/)

All academic dishonesty, including cheating on exams, representing another’s work as your own and modifying exams for regrading, will be dealt with severely in CHE 232.

**Significant Dates:**

- September 4 – Labor Day (no classes)
- September 13 – Last day to drop without W on transcript
- September 20 – Last day to drop and receive any refund
- October 6 – Fall break (no classes)
- October 20 – Last day to withdraw or reduce class load
- November 23-25 – Thanksgiving break (no classes)
- December 8 – Last class

**Severe Weather Information:**

University procedures in the event of severe weather are available at [http://www.uky.edu/PR/News/severe_weather.htm](http://www.uky.edu/PR/News/severe_weather.htm). Announcements of the cancellation of classes or a delayed opening will normally be made by 6:00 a.m. through the local news media. Up-to-date information will be available from the UK Infoline at 257-5684, UK TV (cable channel 16), or the UK Web site at [http://www.uky.edu](http://www.uky.edu). The University remains open under all but the most extreme conditions. If the University is open, classes and exams will be held as scheduled.