CHEMISTRY 4-124       Organic Chemistry II Major       Spring 2010

Time:       MWF 9:30 - 10:20 am; 40 SH

Instructor:       Professor Hien Nguyen
Office: E457 Chemistry Building
Phone: 319-384-1887
Email: hien-nguyen@uiowa.edu
Office Hours: T & R 1:00 - 2:30 pm or by appointment

Discussion:       TA – Luke Slominski
Email: luke-slominski@uiowa.edu
Office Hours: T & Th: 9:30 – 10:30 and W: 11:30 – 12:30
Section 001 - 10:30 – 11:20, Monday, E264 CB
Section 003 - 10:30 – 11:20, Tuesday, E264 CB

Textbooks:       John McMurry, Organic Chemistry 7th Edition (required)
Susan McMurry, Study Guide and Solution Manual (recommended)
Molecular Model Set (required)

Exams:
  EXAM I       Thursday, 02/17, 5:30 pm – 7:30 pm
  EXAM II      Thursday, 03/31, 5:30 pm – 7:30 pm
  EXAM III     Thursday, 04/28, 5:30 pm – 7:30 pm
  FINAL EXAM   Tuesday, 05/11, 2:15 pm – 4:15 pm

Grading:
  Unannounced Quizzes           100
  Problem Sets                  200
  Exam I                        100
  Exam II                       100
  Exam III                      100
  Final Exam                    200

Exams: There will be no make-up exams. If you know that you will miss an exam, please inform me at least two weeks in advance and provide the appropriate written documentation. All exams are cumulative including the final exam.

Quizzes: There will be unannounced quizzes at the beginning of the lecture. Seven or eight quizzes will be given over the course of the semester, and the highest five quizzes will be counted in your final grade. There will be no make-up quizzes.

Homework: There will be approximately 10 problem sets throughout the course of the semester. These problem sets will be graded. You MUST work independently on these problems.
Course Administration: A majority of course business can be achieved at the Chemistry Center, E225 CB. The hours are 8 AM -12 Noon & 12:30 – 4:30 PM on Monday-Friday, and the contact person is Lin Pierce (335-1341). The following issues SHOULD be achieved at the Chemistry Center: drop/add forms, section changes, and TA office hours.

**Tentative Schedule:**

01/20 – 01/27  Chapter 14: Conjugated Compounds (Suggested problems: 21, 24-27, 32-37, 39-41, 44, 45, 48-50, 55-57)

01/29 – 02/03  Chapter 15: Benzene and Aromaticity (Suggested problems: 23, 27-32, 34-36, 39-41, 43-47)

02/05 – 02/12  Chapter 16: Electrophilic Aromatic Substitution (Suggested problems: 30-32, 34-37, 42-43, 45-47, 50-61, 64, 66, 68, 71, 73)

02/15 – 02/19  Chapter 17: Alcohols and Phenols (Suggested problems: 30--42, 44-50, 52-57, 69)

02/22 – 02/26  Chapter 18: Ethers and Epoxides (Suggested problems: 25-29, 32, 35-39, 42-44, 48-53)

03/01 – 03/08  Chapter 19: Aldehydes and Ketones (Suggested problems: 34-43, 45-55, 58-60, 68-70)

03/10 – 03/12  Chapter 20: Carboxylic Acids and Nitriles (Suggested problems: 24-30, 36, 38-45, 49-54, 58-60)


03/31 – 04/07  Chapter 22: Carbonyl Alpha-Substitution Reactions (Suggested problems: 20-28, 30-36, 38-40, 42-47, 49-54)

04/09 – 04/16  Chapter 23: Carbonyl Condensation Reactions (Suggested problems: 27-30, 32-38, 40, 42-50, 52-62)

04/19 – 04/23  Chapter 24: Amines and Heterocycles (Suggested Problems: 34-70)

04/26 – 04/30  Chapter 25: Carbohydrates

05/03 – 05/07  Special Topics: Intramolecular Reactions and Neighboring Group Participation
Complaints: complaints and appeals can be filed at the Department of Chemistry offices located in E331 CB (335-1350).

College Statement

Administrative Home: The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Questions may be addressed to 120 Schaeffer Hall or see the CLAS Student Academic Handbook [www.clas.uiowa.edu/students/academic_handbook/index.shtml].

Electronic Communication: University policy specifies that students are responsible for all official correspondences sent to their standard University of Iowa e-mail address (@uiowa.edu). Students should check this account frequently. (Operations Manual, III.15.2. Scroll down to k.11.)

Academic Fraud: Plagiarism and any other activities when students present work that is not their own are academic fraud. Academic fraud is a serious matter and is reported to the departmental DEO and to the Associate Dean for Undergraduate Programs and Curriculum. Instructors and DEOs decide on appropriate consequences at the departmental level while the Associate Dean enforces additional consequences at the collegiate level. See the CLAS Student Academic Handbook.

Making a Suggestion or a Complaint: Students with a suggestion or complaint should first visit the instructor, then the course supervisor, and then the departmental DEO. Complaints must be made within six months of the incident. See the CLAS Student Academic Handbook.

Accommodations for Disabilities: A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make arrangements. See www.uiowa.edu/~sds/ for more information.

Understanding Sexual Harassment: Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the University Comprehensive Guide on Sexual Harassment at www.uiowa.edu/~eod/policies/sexual-harassment-guide/index.html for assistance, definitions, and the full University policy.

Reacting Safely to Severe Weather: In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. (Operations Manual, IV.16.14. Scroll down to e. h. and i.)