Chemistry 52 Syllabus-Winter 2004

Instructor: Prof. Dennis L. Wright
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Office: Burke 314
Office Hours: M, W 1-3 PM or by appointment. I will also answer questions by email.

Lecture: MWF 11:15 AM-12:20 PM and Tu 12:00-12:50 PM
Location: 006 Steele
Web Site: http://www.dartmouth.edu/~chem52/


Course Description: This is a continuation of Chem 51 so I expect that you have a working knowledge of the material covered there. This course will focus on reaction mechanisms, structure and synthesis.

Problem Sets: Please work all of the problems for the chapters we are covering. You are encouraged to work in groups. The problem sets will not be collected or graded.

Exams: There will be three 1-hour progress exams (each worth 100 pts.) and a comprehensive final worth 200 pts. By the very nature of the subject material, the progress exams are comprehensive. However the focus will be as follows:
Exam 1-Chapters 16-18
Exam 2-Chapters 19-21
Exam 3-Chapters 22-24
Final Exam-Chapters 16-24 (50%) ; 25-29 (50%)

Honor Principle: All exams are closed book and closed notes. You may bring models to the exam if you wish. The exams will be administered in accordance with the academic honor principle.

Grading Policy: The course grades will be curved out of 500 pts. and the median grade will be a B.

Schedule (Tentative):
Jan 5th, 6th, 7th and 9th-Chapter 16-Chemistry of Arenes
Jan 12th and 13th- Chapter 17-Chemistry of Alcohols
Jan 14th and 16th-Chapter 18-Chemistry of Epoxides and Ethers
Jan 19th-MLK day-no classes
Jan 20th-Review for Test 1
Jan 21st-Progress Exam 1
Jan 23rd and 26th-Chapter 19-Ketones and Aldehydes
Jan 27th and 28th- Chapter 20-Carboxylic Acids
Jan 30th and Feb 2nd-Chapter 21-Carboxylic Acid Derivatives
Feb 3rd-Review for Test 2
Feb 4th-Progress Exam 2
Feb 6th, 9th and 10th-Chapter 22-Carbonyl Chemistry
Feb 11th-Chapter 23-More Carbonyl Chemistry
Feb 13th-Winter Carnival-no classes
Feb 16th and 17th-Chapter 23-More Carbonyl Chemistry
Feb 18th and 20th-Chapter 24-Amines
Feb 23rd-Chapter 25-Carbohydrates
Feb 24th-Review for Exam 3
Feb 25th-Progress Exam 3
Feb 27th-Chapter 25-Carbohydrates
Mar 1st and 2nd-Chapter 26-Amino Acids
Mar 3rd-Chapter 27-Lipids
Mar 5th and 8th-Chapter 29-Metabolism
Mar 9th-Review for Final
Mar 13th-Comprehensive Final (8 AM)