Chemistry 220B Section One
Spring 2006

Instructor: Piotr Kaszynski, SC 7636, phone/fax: 322-3458,
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Class hours: T, TH 9:35-10:50 room SC 4309
Textbook: *Organic Chemistry, Sixth Edition* J. McMurry,
                purchase of the accompaning study guide (*Organic Chemistry Study Guide and Solution Manual*) is strongly recommended
Office Hours: T 2-3, TH 3-4, or by appointment.

General Description

        Chemistry 220B is built on foundation laid in CHEM 220A. We will study the preparation, basic characteristics, and chemical transformations of several important functional groups. This should give you the basis for the study of polyfunctional compounds in living organisms, research laboratories, or industry.

Date	Topic	Chapter
Jan 12, 17	Introduction and Review of Chapter 14	
Jan 19, 24	Benzene and Aromaticity	15
Jan 26, 31	Electrophilic Aromatic Substitution	16
Jan 31	*Review session 6:00-7:00 pm in 4327*	
Feb 2	**Exam 1** (Thursday)	
Feb 7, 9	Alcohols and Phenols	17
Feb 14	Ethers, Epoxides, Thiols, and Sulfides	18
Feb 16, 21	Aldehydes and Ketones	19
Feb 23	Carboxylic Acids and Nitriles	20
Feb 24	*Review session 6:00-7:00 pm in 4309*	
Feb 28	**Exam 2** (Tuesday)	
Mar 2	Carboxylic Acid Derivatives	21
	SPRING BREAK!	
Mar 14	Carboxylic Acid Derivatives (*cont*)	21
Mar 16, 21	Carbonyl α-Substitution Reactions	22
Mar 21	*Review session 6:00-7:00 pm in 4309*	
Mar 23	**Exam 3** (Thursday)	
Mar 28, 30	Carbonyl Condensation Reactions	23
Apr 4, 6	Amines	24
Apr 11, 13	Carbohydrates	25
Apr 17	*Review session 6:00-7:00 pm in 4309*	
Apr 18	**Exam 4** (Tuesday)	
Apr 20	Amino Acids, Peptides, and Proteins	26
Apr 25	Lipids and Nucleic Acids	27,28
May 4	**Final Exam**, Thursday 9:00 am	

Homework

Textbook problems will be assigned but not graded. Answers will be posted when not available in the Study Guide. Working the problems is essential to learning Organic Chemistry.

Grading

Final grades will be awarded in accordance with the policies delineated in the undergraduate catalog. There will be four "in-class" 50 min exams (100 points each) and one comprehensive final exam (200 points). The final grade will be based on a total of 600 points.

Any questions you may have about an exam grade must be discussed with me within two class days after the test is returned.

Exams

No make up exams nor alternate exam final will be offered because they cannot be mad e of equal difficulty. If an hour exam is missed, the grade will be 0 unless the absence is determined by me to be excused in advance. For those who do not miss an exam and those whose absence is excused: if one half of the final exam grade is better than one of the exams, it will replace the worst exam grade. The course cannot be passed when more than one exam is missed. An excused absence from the final exam can be obtained only from the Dean's office, otherwise a grade M will be given in accordance with University policy.

Getting Help

Get help early if you need it! Falling behind in organic chemistry is no fun and can impede your future progress in the course because the material builds on itself. Special help sessions are scheduled before each exam, and a couple of practice exams will be available for study purposes. Remember, there is more material to study than last semester.

I encourage you to see me during my office hours to get help with questions and problems. Other sources of help include your lab instructor, lab TA, other organic texts, and your fellow students.

Honor Code

All aspects of the Vanderbilt honor code apply to this course. You must legibly write and sign the Vanderbilt Honor Pledge on every exam. Students are encouraged to work togethe r on problems and to study in groups. Exams, however, must be taken on an individual basis with no external aids other than those specifically permitted in advance by the instructor.