CHEM 2452
ORGANIC CHEMISTRY

SPRING QUARTER, 2006

Instructor: Joseph M. Hornback

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Text: "Organic Chemistry", Second Edition, by Joseph M. Hornback

Problem Sessions: There is no formal recitation associated with this class. There will be no weekly quizzes. Each week there will be a problem session on Tuesday at 8:00 AM. During these sessions the instructor will go over the homework problems and answer any questions you have about them or the previous week's lecture. Attendance at these sessions is optional, but if you are having trouble understanding something, try to come to the help session. If you have a conflict, make an appointment with the instructor.

Homework: In the lecture outline you will find a set of recommended homework problems for each chapter. You do not have to turn in these problems. However, make sure you do enough of them to be sure you understand them. Working these problems is the best way to learn the material and to prepare for the exams since the exam problems will be similar to the homework problems. Working the problems also tells you whether you really understand the material or not.

It is important to keep up with the material as it is covered in class. Read your book and work the appropriate problems soon after the material is covered in class. If you fall behind, you will make the class much more difficult for yourself.

Exams: There will be two 50 min. exams during the quarter and a cumulative final exam, each worth 200 points. If your final exam score is higher than one of your other exam scores, that exam score will be dropped and your final will count double. **There will be no make-up exams.** If you miss an exam, for any reason, it will have to count as the dropped exam. The final exam may not be dropped.

Grading: Your final grade will be based on a maximum of 669 points, distributed as follows: hour exams and final exam, 600 points, attendance and class participation, 69 points.

SPRING, 2006
Tentative Lecture Outline

DATE	TOPIC	PROBLEMS
Mar. 27	Chapter 10 Synthetic Uses of Substitution and Elimination Reactions	Read pp. 348-390 Problems: 1-5, 7-38, 40-42, 44.
Mar. 29	continue	
Mar. 31	continue	
Apr. 3	continue	
Apr. 5	continue	
Apr. 7	Chapter 11 Additions to Carbon-Carbon Double and Triple Bonds	Read pp. 405-458 Problems: 1-11, 13-19, 22-33, 35-38, 45, 46.
Apr. 10	continue	
Apr. 12	continue	
Apr. 14	continue	
Apr. 17	Chapter 13 Infrared Spectroscopy	Read pp. 500-533 Problems: 4-6, 8-25.
Apr. 19	**EXAM 1**	Chapters 10 and 11
Apr. 21	continue Chapter 13	
Apr. 24	continue	
Apr. 26	Chapter 14 Nuclear Magnetic Resonance Spectroscopy	Read pp. 543-596 Problems: 1-27
Apr. 28	continue	

May 1	continue	
May 3	continue	
May 5	continue	
May 8	Chapter 15 Ultraviolet-Visible Spectroscopy and Mass Spectrometry	Read pp. 617-634 Problems: 10-14, 18-25, 27.
May 10	continue	
May 12	Chapter 16 Benzene and Aromatic Compounds	Read pp. 642-665 Problems: 1-8, 11-18, 23-25, 30.
May 15	continue	
May 17	**EXAM 2**	Chapters 13, 14, and 15
May 19	continue Chapter 16	
May 22	Chapter 17 Aromatic Substitution Reactions	Read pp. 671-724 Problems: 1-16, 18-20, 22-50, 58.
May 24	continue	
May 26	continue	
May 31	continue	
June 2	continue	
June 5	**FINAL EXAM** **8:00 - 9:45**	Cumulative