CHEM 2450 2
ORGANIC CHEMISTRY

SPRING QUARTER, 2001

Instructor: Joseph M. Hornback

Office: 232 S.G. Mudd Building
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Web page www.du.edu/~jhornbac/orgpage.html

Text: "Organic Chemistry", 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 Thursday at 9:00 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 homework problems listed for each chapter. These problems are to be turned in at the lecture following the one when the chapter is completed. 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 three 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.

Grading: Your final grade will be based on a maximum of 870 points, distributed as follows: homework problems (7 sets at 10 points/set), 70 points; hour exams and final exam, 800 points.

SPRING, 2001
Tentative Lecture Outline

DATE	TOPIC	PROBLEMS
Mar. 26	Chapter 9 Synthetic Uses of Substitution and Elimination Reactions	Read pp. 345-392 1-7, 8acd, 13, 14, 15a, 16-31, 32c-h, 33c-r, 34a-i, 35, 37, 38, 42
Mar. 28	continue	
Mar. 30	continue	
Apr. 2	continue	
Apr. 4	continue	
Apr. 6	Chapter 10 Additions to Carbon-Carbon Double and Triple Bonds	Read pp. 401-452 1, 2, 3abdef, 4bcd, 5-7, 9bc, 10, 11, 13-15, 17bd, 18, 19bc, 22-26, 27abd, 28-32, 34, 35, 37, 44, 45
Apr. 9	continue	
Apr. 11	continue	
Apr. 13	continue	
Apr. 16	Chapter 12 Structure Determination by Spectroscopy I: Infrared and Nuclear Magnetic Resonance Spectroscopy	Read pp. 497-587 Problem Set A: 5, 6, 8bcdef, 9, 11, 12bcd
Apr. 18	**EXAM 1**	Chapters 9 and 10
Apr. 20	continue Chapter 12	
Apr. 23	continue	
Apr. 25	continue	Problem Set B: 14, 15bcdef, 16abef, 17, 18, 19bcdef, 20bcdef, 21-27, 29, 30, 34, 36, 37-40

Apr. 27	continue	
Apr. 30	continue	
May 2	continue	
May 4	continue	
May 7	Chapter 13 Structure Determination by Spectroscopy II: Ultraviolet-Visible Spectroscopy and Mass Spectrometry	Read pp. 608-627 10-14, 18-27
May 9	Chapter 11 Functional Groups and Nomenclature II	Read pp. 461-492 1-4, 7-12, 14, 15, 19-23
May 11	continue Chapter 11	
May 14	Chapter 14 Additions to the Carbonyl Group	Read pp. 635-682 1, 2, 4-6, 7abd, 8-10, 12, 13, 15-28, 37, 41
May 16	**EXAM 2**	Chapters 12 and 13
May 18	continue	
May 21	continue	
May 23	continue	
May 25	continue	
May 30	continue	
June 1	**EXAM 3**	Chapters 11 and 14
June 4	Review	
June 5	**FINAL EXAM** **8:00 - 9:45**	Cumulative

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