

**CHEM 2453, SECTION 2  
ORGANIC CHEMISTRY  
FALL QUARTER, 2009**

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

**Home Page:** [www.nsm.du.edu/organic](http://www.nsm.du.edu/organic)

**Problem Sessions:** There is no formal recitation associated with this class. There are no weekly quizzes. Each week there will be a problem session on Tuesday at 9:00 am. During this session the instructor will go over the homework problems and answer any questions you have about them or the previous week's lecture. Attendance at this session 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:** Assigned problems are a vital exercise that will help you to consolidate your understanding of the material and they will help you to be ready for the exams. Problem assignments will be given periodically in class. **These problem assignments must be submitted for grading. For many assigned problems, full points will be given merely for completing the assignment and showing your work, but *any number of problems may be graded for correctness at the instructor's discretion.*** It's ok for you to work in groups on these problems, but your submitted work must be your own. It is strongly recommended that you at least attempt to solve each problem independently before comparing with others, because this will give you the best opportunity to develop your understanding of the material.

**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. Get help when you need it. It is very difficult to master challenging concepts on the night before an exam.

**Exams:** There will be two 50 min. exams during the quarter, each worth 150 points. The final exam is cumulative and is worth 300 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 for 450 points. **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 is not optional.

**Clickers:** Clickers will not be used in this section.

**Grading:** Your final grade will be based on a maximum of 640 points, distributed as follows: midterm exams and final exam, 600 points; homework, 40 points.

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Tentative Lecture Outline**

<b>DATE</b>	<b>TOPIC</b>	<b>READING ASSIGNMENT &amp; PROBLEMS</b>
Sept. 14	Chapter 12 Functional Groups and Nomenclature II	Read pp. 466-488, 491-494.
Sept. 16	continue	
Sept. 18	Chapter 18 Additions to the Carbonyl Group	Read pp. 739-790.
Sept. 21	continue	
Sept. 23	continue	
Sept. 25	continue	
Sept. 28	continue	
Sept. 30	continue	
Oct. 2	Chapter 19 Substitutions at the Carbonyl Group	Read pp. 803-835, 840-843.
Oct. 5	continue	
Oct. 7	continue	
Oct. 9	<b>EXAM 1</b>	Chapters 12 and 18
Oct. 12	continue Chapter 19	
Oct. 14	continue	
Oct. 16	Chapter 20 Enolate and Other Carbon Nucleophiles	Read pp. 858-905.
Oct. 19	continue	

Oct. 21	continue	
Oct. 23	continue	
Oct. 26	Chapter 21 The Chemistry of Radicals	Read pp. 918-948.
Oct. 28	continue	
Oct. 30	continue	
Nov. 2	Chapter 22 Pericyclic Reactions	Read pp. 956-1001.
Nov. 4	continue	
Nov. 6	<b>Exam 2</b>	Chapters 19, 20, and 21
Nov. 9	continue Chapter 22	
Nov. 11	continue	
Nov. 13	continue	
Nov. 16	continue	
Nov. 18	Proteins, Enzymes, and the Organic Chemistry of Life	Selections from Chapter 26 and other material.
Nov. 22 10:00-11:50 am	<b>FINAL EXAM</b>	Cumulative