

**CHEM 2452, SECTION 2  
ORGANIC CHEMISTRY  
SPRING QUARTER, 2011**

**Instructor:** Byron W. Purse  
**Office:** 132 S.G. Mudd Building  
**Phone:** (303) 871-2937  
**Email:** bpurse@du.edu

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

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

**New Changes:** Homework must be stapled together when submitted. Homework that is not stapled will receive a maximum grade of 50%.

Late arrivals have caused too many disruptions in the past. Starting this quarter, *students arriving late may be immediately asked to solve problems on the whiteboard in front of the class*. In the case of persistent late arrivals, the instructor may institute a policy of point deductions from homework. There will continue to be no penalty for not attending class; this causes no interruption. Problems like snow storms are understandable reasons for being late, but the purpose of this policy is so that those who have arrived on time are not distracted by a stream of latecomers.

**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.

**Success:** **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.

Please note that most of the material in O Chem builds on itself rather than existing as separate concepts. It's very hard to succeed later in the course if you haven't mastered the early material.

**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. All homework assignments contribute equally to the 40 point total.

**CHEM 2452, SECTION 2****ORGANIC CHEMISTRY  
SPRING, 2011  
Tentative Lecture Outline**

<b>DATE</b>	<b>TOPIC</b>	<b>ASSIGNED READING</b>
Mar. 21	Chapter 10 Synthetic Uses of Substitution and Elimination Reactions	Read pp. 348-390
Mar. 23	continue	
Mar. 25	continue	
Mar. 28	continue	
Apr. 30	continue	
Apr. 1	Chapter 11 Additions to Carbon-Carbon Double and Triple Bonds	Read pp. 405-458
Apr. 4	continue	
Apr. 6	continue	
Apr. 8	continue	
Apr. 11	Chapter 13 Infrared Spectroscopy	Read pp. 500-533
Apr. 13	continue Chapter 13	
Apr. 15	<b>EXAM 1</b>	Chapters 10 and 11
Apr. 18	continue	
Apr. 20	Chapter 14 Nuclear Magnetic Resonance Spectroscopy	Read pp. 543-596
Apr. 22	continue	
Apr. 25	continue	
Apr. 27	continue	

Apr. 29	continue	
May 2	Chapter 15 Ultraviolet-Visible Spectroscopy and Mass Spectrometry	Read pp. 617-634
May 4	continue	
May 6	Chapter 16 Benzene and Aromatic Compounds	Read pp. 642-665
May 9	continue	
May 11	continue Chapter 16	
May 13	<b>EXAM 2</b>	Chapters 13, 14, and 15
May 16	Chapter 17 Aromatic Substitution Reactions	Read pp. 671-724
May 18	continue	
May 20	continue	
May 23	continue	
May 25	continue	
May 27	Review	
June 2 (Thursday)	<b>FINAL EXAM</b> <b>10:00 - 11:50</b>	Cumulative