

GENERAL INFORMATION (*Prepared 7/08/09*)

LECTURE COMPONENT

LECTURER:

Professor John-Stephen Taylor

Office: LS 401A

Phone: 314-935-6721

e-mail: chem251@wustl.edu

TEACHING ASSISTANTS:

OFFICE HOURS:

Taylor (LS 401A)

Tues.-Fri. 10:00 a.m. - noon

If you are not free during the hours listed above, you may arrange an appointment directly with Professor Taylor in the lecture room before or after lecture. Please do not attempt unscheduled "walk-ins" or to schedule appointments by telephone or email.

TEXTBOOKS:

All three of the following are required for this course and are available at the W.U. Bookstore. Copies of 1 and 2 are on Reserve in Olin Library.

1. L.G. Wade, Jr., *Organic Chemistry*, Prentice-Hall, 7th Ed., 2010.
2. L.G. Wade and J. Simek, *Solutions Manual*, Prentice-Hall, 7th Ed., 2006.
3. Organic Chemistry Models: Orbit Chemistry Model Set (68827W) and package of black and white orbitals (68416C, 68417C). Custom Model Set sold through bookstore.

(The combination of 1 + 2 has ISBN number 0321631021)

Note. Older editions of Wade can also be used, but the page numbers, section numbers, and problem numbers may be different. If you should choose to use an older edition of Wade, it is up to you to determine the correspondence between reading assignments listed for the 6th edition and the edition that you are using.

EXAMINATION INFORMATION:

EXAM SCHEDULE:

Exam	Date	Time	Chapters in Wade (Tentative)
1	Mon, 10/1	6:30 - 8:30 pm	1-4
2	Tues, 10/13	6:30 - 8:30 pm	5-8
3	Mon, 11/9	6:30 - 8:30 pm	9-11
4	Mon. 12/7	6:30 - 8:30 pm	1-11, 14-15
Final			

EXAM ROOMS: Lab Sciences Building 300, Wilson 214, January 110, and Crow 201.

EXAMINATIONS: All exams will be closed book and closed notes. Each semester exam will have a maximum score of 100 points; the final exam will have a maximum score of 100 points. Room assignments for exams will be made alphabetically, and will be both announced in class and posted on the 2nd floor of Lab/Sciences near the entrance to Room 300. (Please do not phone the Chemistry Department office for exam room numbers.) After each exam, answers will be posted near the 2nd floor main entrance of Lab/Sciences Building Room 300.

LENGTH OF EXAMS: During the semester, the exams are designed to take no more than one (1) hour to complete, and the final exam is designed to take no more than one (1) hour to complete. Students will be allowed up to two (2) hours (6:30-8:30 pm) to answer the questions on each of the four (4) in-semester hour exams and two (2) hours (8:00-10:00 am) to answer the questions on the end-of-semester final exam (*tba*). The purpose of the increased time is to allow each student to demonstrate depth of understanding, while minimizing the effect of speed of reading and recall.

ATTENDANCE AT EXAMS: For a sufficiently serious emergency, a student can be excused from one (but no more than one) hour exam. The student should request an excuse from Professor Taylor by telephone or in person; if possible, the request should be made before the examination. The semester grade of a student who has been excused from one examination will be calculated as if the grade on that examination had been the arithmetic mean of the grades on the two hour exams which were taken, and adjusted according to the mean on the missed exam. ***No make up exams will be given. The final exam is mandatory. There will be no early or make up final exam given.***

RETURN OF EXAMS: Each student can choose between having his/her graded exam placed in the alphabetical bins on the 2nd floor of Lab/Sciences Building or held for pick up individually. The choice can be indicated by checking one of the boxes on the cover of the exam; if neither box is checked, the exam will be placed in the bins. If the student chooses to pick up the exam individually, it can be done at the organic help room (***LS 400C***) ***during Help Sessions (1-4 pm) as early as Tuesday*** following the Monday exam; Wednesday following a Tuesday exam; the student will be required to present identification (bearing a photo) before being given the exam.

REGRADE OF EXAMS: With a large class and many different types of exam questions it is entirely possible that you will get exam may have been misgraded might get a misgraded question at some point during the course. To determine if you exam was correctly graded please add the points up yourself, and compare your answers and the point values to the posted answer key. In the event that there has been a grading error such as an addition error, mis-assigned points, a correct answer that was marked wrong, or an answer that was missed by the grader, you may submit a regrade request. If your answer differs from the answer that was posted and you are unsure why it is wrong, please see the instructor or a TA during office hours to discuss your answer.

Please remember that regrade requests are not a good way to ask questions about science. Regrades are only for fixing grading errors (i.e. addition errors, a correct answer that matches the answer key but was marked wrong, etc.)

If you wish to appeal the grading of your exam, you must return it through the slot into the marked box on the 2nd floor of Lab/Sciences Building (***near the exam racks***) ***by Friday at 3 PM following the Monday exam or Monday at 3PM following a Wednesday exam.*** You must staple to your exam a note which states which question(s) is(are) to be regraded and why you believe that your answer

deserves more credit. Nothing additional (notes, explanations, etc.) should be written on the exam and **NO changes or erasures should be made on the exam before regrading.**

CHEATING: Cheating will not be tolerated! All suspected cases of cheating will be referred to Washington University's Committee on Academic Integrity. If the Committee on Academic Integrity finds a student guilty of cheating, then the penalty will be **automatic failure of the course**. Exams to be regraded must be returned by the Friday of the week of the exam for a Monday exam. All exams submitted for regrading are examined by Professor Taylor and will be returned within one week through the alphabetical bins or to the TA's if so specified.

LETTER GRADES: For each of the four examinations (three semester exams plus one final exam), the professor will determine the correspondence between numerical scores and letter grades by reading a random sample of exams. Note that the percentages of A's, B's, etc. are thus not predetermined, but result from the professor's assessment of the performance of the class. At the end of the semester, each student's numerical examination grades will be summed and the corresponding letter grade will be determined by comparison to the sum of the individual exam scores. However, in cases of marked improvement during the semester or the presence of one atypically low hour exam score, the semester letter grade may be higher than that which corresponds to the sum of the individual exam scores. The professor's judgment of each individual case is the sole basis for a decision to raise (or not to raise) a grade, and such decisions are not subject to appeal or negotiation.

READING/HOMEWORK ASSIGNMENTS: Students should read the applicable sections in Wade before attending the lecture that covers these sections. Soon after each lecture, students should reread those sections and compare the text to their lecture notes. At the time of this second reading, the in-chapter problems should be worked. Homework problems in Wade are given both within each chapter and at the end of each chapter. Each student should work all of the in-chapter problems and as many of the end-of-chapter problems as time permits (all if it is at all possible, but minimally try to do a variety of different problems). Homework will not be collected; each student is to correct his/her own answers by consulting the answers given in the *Solutions Manual*.

LECTURES: The quantity of material to be learned in Chemistry 251 is too large to permit all of it to be covered in the lectures. The lectures will focus on the key ideas and on those parts of the material which the lecturer judges to most be in need of emphasis or explanation. The lecturer will assume that the students have read the corresponding sections in Wade before attending the lectures. Lectures will be in the Lab/Sciences Building Room 300 from 9:07 to 10:00 a.m. Monday - Friday.

CHEMISTRY 251 HELP ROOM: There will be a Chem 251 Help Room open Monday through Friday from 1:00 - 4:00 p.m. in Lab/Sciences Building Room 400C. The course TA's for Chem 251 will be present to answer any questions about the course material.

HELP AND PROBLEM SOLVING SESSIONS: There will be a Help session the Friday afternoon before each of the Monday exams from 4:00 - 6:00 pm in Lab Sciences 300. This session will be run by Professor Taylor. The purpose of these sessions is to allow the students an opportunity to get any last minute questions answered. There will also be a Help session on Saturday given by Jennifer Bartels in LS 250 from 4-5:30. Problem solving sessions will be held every week, Mon-Thursday evenings from 5:30-7:00 p.m. in LS 250 except for the Monday session which will be from 6:30-8:00 p.m. and unless otherwise noted. These will be presented by the course TA's and will cover illustrative exam problems and homework problems.

VIDEOTAPES OF LECTURES: The Chemistry 251 lectures are videotaped; tapes will be available at the Olin Library Reserve Desk for use in Olin. The tapes will also be available by streaming video

at: <http://streaming.wustl.edu/courses/lectures/pages/chem251.html>. Username: chem251. The password is given in the handout and in class.

CORNERSTONE: Cornerstone: The Center for Advanced Learning, located on the South 40 at Gregg Hall, offers academic resources such as study groups, peer mentors, help desks, and course workshops to students seeking additional support in classes ranging from Chemistry and Calculus to Spanish and Freshman Writing. The Center also offers technological resources like programs for web design and learning style assessments. Those seeking disability information should contact Disability Resources at 935-5970 or link to Disability Resources from the Cornerstone website for further information. (URL: <http://cornerstone.wustl.edu>)

HELP AND PROBLEM SESSIONS AND OFFICE HOURS:

Time/Location	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10 AM LS 300	Lecture		Lecture		Lecture	
10-12 LS 401A Office Hr		<i>John Taylor</i>	<i>John Taylor</i>	<i>John Taylor</i>	<i>John Taylor</i>	
1-4 PM LS 400C Office Hr						
5:30-7:00 PM LS250 Problem solving sessions						
4-6 PM Friday LS 300 & 4-5:30 PM Sat LS 250 before Exams					Help Session	Help Session

SCHEDULE OF LECTURE TOPICS, READING ASSIGNMENTS, AND EXAMS

Lecture #	Day	Date	Chapter in Wade	Topic
1	Wed	8/26	1	Introduction & Review
2	Fri	8/28	1	
3	Mon	8/31	2	Structure & Properties of Organic Molecules
4	Wed	9/2	2	

5	Fri	9/4	2	
	Mon	9/7		NO CLASS LABOR DAY
6	Wed	9/9	3	Alkanes
7	Friday	9/11	3	
8	Mon	9/14	3	
9	Wed	9/16	4	The Study of Chemical Reactions
10	Fri	9/18	4	
11	Mon	9/21	4	
	Mon	9/21		EXAM 1 (Chapt 1-3)
12	Wed	9/23	4	
13	Fri	9/25	5	Stereochemistry
14	Mon	9/28	5	
15	Wed	9/30	5	
16	Fri	10/2	5	
17	Mon	10/5	5	
18	Wed	10/7	6	Alkyl Halides: Nucleophile Substitution & Elimination
19	Fri	10/9	6	
20	Mon	10/12	6	
	Tuesday	10/13		EXAM 2 (4-6)
21	Wed	10/14	7	Structure and Synthesis of Alkenes
	Fri	10/16		FALL BREAK
22	Mon	10/19	7	
23	Wed	10/21	7	
24	Fri	10/23	8	Reactions of Alkenes
25	Mon	10/26	8	

26	Wed	10/28	8	
27	Fri	10/30	8	
28	Mon	11/2	8	
29	Wed	10/4	9	Alkynes
30	Fri	11/6	9	
31	Mon	11/9	10	Structure and Synthesis of Alcohols
				<i>EXAM 3 (7-9)</i>
32	Wed	11/11	10	
33	Fri	11/13	11	Reactions of Alcohols
34	Mon	11/16	11	
35	Wed	11/18	14	Ethers, Epoxides, and Sulfides
36	Fri	11/20	14	
37	Mon	11/23	15	Conjugated Systems, Orbital Symmetry & Ultraviolet Spectroscopy
	Wed-Fri	11/25-27		<i>Thanksgiving Break</i>
38	Mon	11/30	15	
39	Wed	12/2	15	
40	Fri	12/4	15	
41	Mon	12/7	15	<i>Last Day of Class</i>
	Mon	12/7		<i>Exam 4 (10,11,14,15)</i>