SPRING 2017
Chem 3331-Fundamentals of Organic Chemistry
Section 10598
Tuesday, Thursday 5:30 - 7:00 pm **Room 160-Fleming**

Instructor: Dr. Olafs Daugulis
olafs@uh.edu (subject line: Chem 3331; don't even think about contacting by phone!!!)
Office: 445 STL
Problem solving sessions: 7:00-8:00 pm Th (after the lecture; room 160-Fleming)
Office hours: by appointment. Email me and I will get back to you with time that is convenient for everyone.
Text: L.G. Wade, Jr. Organic Chemistry-9th Edition and Solutions Manual
Molecular models strongly suggested (will be able to use during exams)
You can use older and cheaper Wade editions at your own risk. *You do NOT need to buy any access codes that accompany textbooks. There is nothing on Blackboard.*
Grading: 3 evening exams (50% of the grade; lowest grade will be dropped), and a final exam (50%) **NO MAKE UPS!**

Quizzes: UNANNOUNCED quizzes may occur at anytime. Attending all quizzes gives +2% grade at the end of semester, attending half of the quizzes ±0%, attending 0 quizzes -2%.

Exam Schedule:
1. Friday, February 17, 7-8:30 PM
2. Friday, March 24, 7-8:30 PM
3. Friday, April 21, 7-8:30 PM
FINAL EXAM: Tuesday, May 2, 8-11 AM

Persons requiring assistance under Americans with Disabilities Act guidelines please contact me immediately.

Last day to drop course without hours counting towards enrollment cap for Texas residents: February 1.
Last day to drop a course without receiving a grade: February 1.
Last day to drop a course or withdraw: March 31.

Course Outline

Date	*Chapter*	*Problems*
Jan 17, 19	1: Structure and Bonding	27, 29, 31-46, 49-59
Jan 24, 26	2: Acids, Bases, FG's	28-29, 31-38, 40-42, 45-52, 56-57
Jan 31, Feb 2, 7	3: Alkanes	33-37, 39, 41, 43-49, 51
Feb 9, 14	4: Chemical Reactions	34-38, 40-47, 49

FEB 17 - EXAM 1 (Ch 1-4)

Feb 16, 21, 23	5: Stereochemistry	25-31, 35, 37
Feb 28, Mar 2, 7	6: Alkyl Halides	30-35, 37-40, 42-46, 50, 51, 54, 57-59
Mar 9, 21	7: Alkenes	40-44a,b, 45, 46, 49-58, 61-66,

Mar 24 - EXAM 2

Mar 23, 28	8: Reactions of Alkenes	46-50, 56, 58-61, 63-65, 67-68, 70
Mar 30, Apr 4	9: Alkynes	26-31, 33-41, 43
Apr 6, 11	10: Alcohols	30-44, 46, 49, 51, 52, 56-58
Apr 13, 18	11: Reactions of Alcohols	39-49, 52-57
Apr 20	12: IR and MS	12, 14, 15, 16, 19, 23-26, 30

Apr 21 - EXAM 3

Apr 25, 27	13: NMR	33, 35, 36, 38-40, 42, 44, 45, 47-50, 52-54

May 2 **8-11 AM FINAL EXAM (Chapters 1-13)**

NOTES

1. All drops are the responsibility of the student.
2. ALL GRADED WORK SHOULD BE DONE INDIVIDUALLY. The UH Academic Honesty Policy is in effect. **All graded exams are copied**.
3. All quizzes and exams are closed book. Model kits are the only external things allowed. Books, notes, cell phones, calculators etc MUST be left in your **closed** bag or not brought to class at all.
4. Any students who need special accommodations are responsible for communicating these to me.
5. **YOU CAN NOT TAKE CHEM 1331, CHEM 1332, OR CHEM 3332 CONCURRENTLY WITH THIS COURSE. NO EXCEPTIONS!**
6. Grades are assigned based on performance and not need ("I will lose a scholarship, I will not enter med school if you give me this grade, I will not graduate on time" etc will not work). The ONLY way of getting out of a failed grade after the drop date is medical withdrawal. **There will be no extra credit other than 2% for attendance – do not even ask!**
7. If you want a missed quiz to be counted as attended then bring documentation showing why you had to miss the class (e.g. a doctor's note).
8. Class website: http://olafs.chem.uh.edu/teach.html
9. NO RECORDING DURING CLASS!!!

HOW TO SUCCEED IN ORGANIC CHEMISTRY/GRADE INFO

1. Come to class. If you miss class, copy BY HAND notes from someone in the class. Taking pictures of the notes will not help as it is you, and not your iphone, who needs this information in memory.
2. (a) Watching organic chemistry videos on youtube does not substitute for coming to class, studying, and doing homework problems! It may be helpful, but watching videos without doing problems is insufficient.
(b) Doing random problems found in internet tubes is not helpful as these are often full of errors. Need more problems – ask me or use www.chem3331.com.
3. Read textbook BEFORE coming to class. You will be able to specifically ask questions about material you have trouble understanding. Furthermore, seeing material for the second time will help you understand it much better.
4. Try to do all homework – doing only the assigned problems is minimum required. Do not look at homework answers before you have solved the problem – you will not be provided answers to peek into during tests!
5. Ask questions before, during and after the lectures. At other times, email me questions and I will usually answer those within few hours. HOWEVER – be specific in asking questions by email as I will not retype textbook in my answer.
Example of a good question: does methyl iodide react by SN1 or SN2 and why. Example of a bad question: Please tell me about SN1 reaction as I was busy texting during lecture.
6. Attend problem solving sessions on Thu after class. You do NOT need to sign up and pay for them, they are voluntary. On Thu before exam, we will work a sample test from previous few years.
7. If you can, sign up for workshop (Chem 3131). Check for the teaching style of TA who runs your section – talk to previous year students if they liked that TA.
8. Thinking about the grade and studying hard has to start at the beginning of semester. Very few students are able to succeed if they slack off at the beginning.
9. Grade cutoffs and distributions in last few years:
S2013: A above 87, B above 75, C above 63, D above 50.
Grade distribution: A 54, A- 1, B+ 7, B 37, B- 2, C+ 3, C 40, D+ 2, D 35, D- 2, F 17, W 34.
S2014: A above 86, B above 74, C above 61, D above 48.
Grade distribution: A 27, A- 1, B+ 3, B 42, B- 3, C+ 4, C 27, C- 4, D 44, D- 15, F 37, W 36.
Grade cutoffs this year likely will be within a point or two from the ones above.

Final calculation of points:
(a) drop lowest midterm score, (b) add 2 midterms + final, (c) divide number by 4, (d) add or subtract to/from resulting score the quiz results: attended 8 quizzes, +2; 7 quizzes, +1.5; 6 quizzes, +1; 5 quizzes, +0.5; 4 quizzes, 0; 3 quizzes, -0.5; 2 quizzes, -1; 1 quiz, -1.5; 0 quizzes, -2. Please note that Midterms are 100 pts each, Final 200 pts.