



Course CHEM 2323 Organic Chemistry I
Professor Jungmo Ahn
Term Fall 2016
Meetings Tues & Thurs 2:30 pm -3:45 pm, SLC 2.303

Professor's Contact Information

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Other Phone

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Office Hours Office hours: Tues & Thurs 4:00 pm - 5:00 pm

Other Information Contact by e-mail to set up an appointment if you cannot make it to office hours

General Course Information

Pre-requisites, Co-requisites, & other restrictions CHEM 1312 General Chemistry II

This course is designed to provide an overview of fundamental organic chemistry for science majors. Students who successfully complete this course will acquire an integrated understanding of molecular architecture, molecular transformations, reaction energetics and mechanisms, synthetic strategy, and structure determination.

Course Description Tests will be given at the date and time listed in the syllabus. No make-up tests will be given. You may drop one test score. Quizzes will be given at end of class time on the Thursdays indicated by the syllabus. One quiz may also be dropped.

The course notes used during lectures can be downloaded as pdf files from E-Learning. Problems and supplementary material will also be posted on E-Learning.

Learning Outcomes Upon completing this class, students will:

- Be able to predict bonding and three-dimensional structure, including chirality, and to analyze properties of this 3-D structure of organic compounds.
- Be able to compare reactivity amongst a series of organic compounds.
- Be able to predict reactivity of specific functional groups and to construct simple and efficient routes for the preparation of desired organic compounds.

Required Texts & Materials L.G. Wade, Jr., "Organic Chemistry", eighth edition, 2012

Suggested Texts, Readings, & Materials Solution manual to textbook, molecular model kit.

Assignments & Academic Calendar

[Topics, Reading Assignments, Due Dates, Exam Dates]

Date	Topic	Chapter	Quiz/Test
Aug 23	Introduction	1	N
Aug 25	Introduction	1	N
Aug 30	Structure and Bonding	2	N
Sep 1	Structure and Bonding	2	N
Sep 6	Alkanes (Quiz 1)	3	YES
Sep 8	Alkanes	3	N
Sep 13	Stereochemistry	5	N
Sep 15	Stereochemistry (Quiz 2)	5	YES
Sep 20	Review for Test 1	5	N
Sep 21	TEST 1 (8:30 pm)		YES
Sept 22	Chemical Reactions	4	N
Sep 27	Chemical Reactions	4	N
Sep 29	Chemical Rxns/Nucleophilic Substitution	4/6	N
Oct 4	Nucleophilic Substitution (S_N2)	6	N
Oct 6	Nucleophilic Substitution (S_N2/S_N1)	6	N
Oct 11	Nucleophilic Substitution ($S_N1/E1/E2$)	6	N
Oct 13	Elimination ($E1/E2$) (Quiz 3)	6	YES
Oct 18	Alkenes	7	N
Oct 20	Comparison of S_N1 , S_N2 , $E1$, and $E2$		N
Oct 25	Review for Test 2		N
Oct 26	TEST 2 (8:30 pm)		YES
Oct 27	Reactions of Alkenes	8	N
Nov 1	Reactions of Alkenes	8	N
Nov 3	Reactions of Alkenes	8	N
Nov 8	Alkynes (Quiz 4)	9	YES
Nov 10	Alkynes	9	N
Nov 15	Alcohols	10	N
Nov 17	Alcohols (Quiz 5)	10	YES
Nov 29	Alcohols & Review for Test 3	10	N
Nov 30	TEST 3 (8:30 pm)		YES
Dec 1	Review for Final Exam		N
Dec 6	Review for Final Exam		N
Dec X	Final Exam (TBD)		YES

Days with either a test or quiz are marked in bold

Course Policies

The University's policies and procedures segment of course syllabi can be found at <http://provost.utdallas.edu/syllabus-policies/>

Grading (credit) Criteria	Grades will be determined from a combination of test, quiz and final grades			
	Tests	2 x 250	500 points (best 2 out of 3)	
	Quizzes	4 x 50	200 points (best 4 out of 5)	
	<u>Final</u>	1 x 300	<u>300 points</u>	
	Total	1000 points		
	900 – 1000 = A+	700 – 769 = B+	550 – 599 = C+	400 – 449 = D+
	800 – 899 = A	650 – 699 = B	500 – 549 = C	350 – 399 = D
	770 – 799 = A-	600 – 649 = B-	450 – 499 = C-	<350 = F
Make-up Exams	There are no make-up exams or quizzes. If a student misses either an exam or quiz then that missed grade will be counted as their dropped exam/quiz.			
Class Attendance	Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. Absences may lower a student's grade where class attendance and class participation are deemed essential by the instructor. Attendance will be taken for this class in the days of quizzes and also in other days as decided by the instructor.			
Class Rules	<p>1) Quizzes will be given in class during the regular class time. A total time of 20 minutes will be allocated for the quiz.</p> <p>2) Tests will be given outside regular class time. Please see scheduling for details. All students must be present for a quiz or test to receive credit. Students who take tests at StudentAccessAbility must schedule their tests at the times given in the syllabus. This also applies to the Final Exam. All test and quiz dates and times are clearly marked in the schedule.</p> <p>3) Attendance will be taken for tests and the final and the students will be required show their Comet Card.</p> <p>4) If you wish to submit an exam or quiz for re-grading because you believe you lost points unfairly, you must do so within one week of receiving your quiz or exam. Your entire exam and/or quiz will be re-graded, not just the exact problem you pointed out. No exceptions will be allowed.</p> <p>5) The keys for tests and quizzes will be posted on E-learning.</p> <p>6) The handouts given in the class will not be posted on E-learning.</p> <p>7) The recitation material will not be posted on E-learning.</p>			

**Recitations will be conducted on Fridays from 4 pm to 5 pm in SLC 2.303.
Any changes regarding the recitations will be announced in the class.**

These descriptions and timelines are subject to change at the discretion of the Professor.