Course **CHEM 2325 Organic Chemistry II**
Professor Sergio Cortes
Term Spring 2016
Meetings T/R 2:30 to 3:45 PM, SLC 2.303

Professor's Contact Information

Office Phone 972-883-6801
Office Location SLC 3.509
Email Address scortes@utdallas.edu
Office Hours TBA

General Course Information

Pre-requisites	CHEM 2323 Organic Chemistry I
Course Description	This course is a continuation of CHEM 2323. Students who successfully complete this course acquire the ability to analyze and predict spectra of organic compounds, assess aromaticity of compounds, and assess the reactivity of aromatic compounds. Tests dates are given in the syllabus. No make-up tests will be given. One partial test grade will be dropped. There will also be quizzes at the beginning of class time on the Thursdays indicated. One quiz grade will be dropped. Students invariably do better in Organic Chemistry once they learn to visualize in three dimensions. Use of molecular models can help develop this skill. While some memorization is unavoidable, the main purpose of this course is to teach the basic principles that drive organic reactions so that the student can understand and predict their outcomes. Course notes are posted in eLearning. Test answers will be posted on the bulletin board outside the professor's office.
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. • compare reactivity amongst a series of organic compounds. • predict reactivity of specific functional groups and to construct simple and efficient routes for the preparation of desired organic compounds.
Required Text	L.G. Wade, Jr., "Organic Chemistry", eighth edition, 2012
Recommended Materials	Solution manual to textbook, molecular model kit

Assignments & Academic Calendar

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

Tue.	Thur.	Topic	Chapter	Quizzes
Jan 12	14	Alcohols	11	
19	21	IR Spectroscopy/ Mass Spectrometry	12	
26	**28**	NMR Spectroscopy	13	**Q # 1**
Feb 2		NMR Spectroscopy	13	
WED. FEB 3		**TEST 1 (8:30 PM)**		
	Feb 4	Ethers	14	
Feb 9	11	Ethers, Epoxides, Conjugated Systems	14/ 15	
16	18	Conjugated Systems, Aromatics	15/ 16	
23	**25**	Aromatics	16	**Q # 2**
Mar 1	**3**	Reactions of Aromatics	17	**Q # 3**
8		Reactions of Aromatics	17	
WED. MAR 9		**TEST 2 (8:30 PM)**		
	Mar 10	Aldehydes and Ketones	18	
22	24	Aldehydes and Ketones	18	
29	31	Amines	19	
Apr 5	**7**	Carboxylic Acids	20	**Q # 4**
12	**14**	Carboxylic Acid Derivatives	21	**Q # 5**
19		Carboxylic Acid Derivatives	21	
WED. APR 20		**TEST 3 (8:30 PM)**		
	Apr 21	Enol and Enolates	22	
26	28	Enol and Enolates / Review	22	
	MAY	**Final Exam TBA**		

Grading and Test Policies

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<td>Grading (credit) Criteria</td>
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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)
Final Exam 1 x 300 = 300 points
Total 1000 points

<table>
<tr><td>900 – 1000 = A+</td><td>700 – 769 = B+</td><td>550 – 599 = C+</td><td>400 – 449 = D+</td></tr>
<tr><td>800 – 899 = A</td><td>650 – 699 = B</td><td>500 – 549 = C</td><td>350 – 399 = D</td></tr>
<tr><td>770 – 799 = A-</td><td>600 – 649 = B-</td><td>450 – 499 = C-</td><td><350 = F</td></tr>
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• Quizzes will be given in class during the regular class time.

• Tests will be given outside regular class time. Please see schedule above.

• Attendance will be taken for all tests. Students will be required show their Comet Card. Anyone without valid identification will not be allowed to take the test.

• Students who take tests at the Student AccessAbility Office must schedule their tests at the times given in the syllabus. This also applies to the final exam.

REGRADE POLICY:

• If you wish to submit an exam or quiz for a re-grade, you must do so within one week of receiving your quiz or exam.

• Your entire exam and/or quiz will be regraded, not just the particular problem you pointed out.
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<td>Make-up Exams</td>
<td>There are no make-up exams or quizzes. If a student misses either an exam or quiz, the missed grade will be counted as their dropped exam/quiz.</td>
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Peer Led Team Learning (PLTL)	Peer Led Team Learning (PLTL) is a program designed to provide the skills and confidence for students to be successful learners. In weekly 90 minute sessions, small groups of students work together to solve problems written by UT-Dallas' chemistry faculty. An undergraduate PLTL leader who has training in group dynamics and mastery of course content will lead them. Participation in PLTL is optional, but if you choose to participate you must stay in the program throughout the semester. PLTL groups meet on a Friday-Wednesday weekly schedule. To participate you need to complete the PLTL application. More details will be announced in class.
Tutoring	Tutoring is available for organic chemistry through the Student Success Center. The center has drop in times during the week for one-on-one tutoring. See the schedule for organic chemistry at www.utdallas.edu/studentsuccess/leaders/tutoring.html.
Recitation Sessions	Recitation sessions will be held on most Saturdays from 10-11:30 am in SLC 2.303. The scheduled Saturdays for the recitation sessions are: January 16, 23, 30, February 6, 13, 20, 27, March 5, 12, 26, April 2, 9, 16, 23, and 30. If the final exam is scheduled after May 7, then a recitation will be held on May 7.
UTD Policies & Procedures	*The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.* *http://go.utdallas.edu/syllabus-policies*