Course	**CHEM 2323 Organic Chemistry II**
Professor	Sergio Cortes
Term	Spring 2019

CONTACT INFORMATION

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Office Hours	TBA

GENERAL INFORMATION

Pre-requisites

CHEM 1312, General Chemistry II

Course Description

This course is a continuation of CHEM 2323. Students who successfully complete this course are able to analyze and predict spectra of organic compounds, assess aromaticity of compounds and the reactivity of aromatic compounds, and analyze the reactivity and properties of carbonyl compounds.

Learning Outcomes

Upon completing this class students will be able to:

- Analyze unknown organic compounds through spectroscopy and predict the spectra of known organic compounds.
- Assess aromaticity of organic compounds and predict the reactivity of aromatic compounds.
- Predict reactivity of various functional groups, including carbonyl compounds, and devise efficient routes for the preparation of organic compounds.

Required Textbook

L. G. Wade, Jr. ***Organic Chemistry*. 8th. ed**. Note: Only the regular textbook is required. The package containing *MasteringChemistry* & access card package is not required.

Suggested Materials

Solution manual to textbook, molecular model kit.

CALENDAR

DATE	TOPIC	CHAPTER	QUIZZES
Jan. 15, 17	Reactions of Alcohols	11	
Jan. 22, 24	IR Spectroscopy/ Mass Spectrometry	12	
Jan. 29	Nuclear Magnetic Resonance Spectroscopy	13	
Jan. 31	Nuclear Magnetic Resonance Spectroscopy	13	**Quiz 1 on ch. 11, 12**
Feb. 5	Nuclear Magnetic Resonance Spectroscopy	13	
Feb. 6	**TEST 1 (8:30 pm)**		
Feb. 7	Ethers and Epoxides	14	
Feb. 12 – 19	Conjugated Systems	15	
Feb. 21	Aromatics	16	**Quiz 2 on ch. 14, 15**
Feb. 26	Aromatics	16	
Feb. 28, Mar. 5	Reactions of Aromatics	17	
Mar. 7	Reactions of Aromatics	17	**Quiz 3 on ch. 16, 17**
Mar. 12	Review		
Mar. 13	**TEST 2 (8:30 pm)**		
Mar. 14, 26	Aldehydes and Ketones	18	
Mar. 28, Apr. 2	Amines	19	
Apr. 4	Amines	19	**Quiz 4 on ch. 18, 19**
Apr. 9	Carboxylic Acids	20	
Apr. 11, 16	Carboxylic Acid Derivatives	21	
Apr. 18, 23	Enols and Enolates	22	
Apr. 25	Enols and Enolates	22	**Quiz 5 on ch. 20 - 22**
Apr. 30	Review		
May 1	**TEST 3 (8:30 pm)**		
May 2	General Review		
May 8	**FINAL EXAM (8 pm)**		

THERE ARE NO MAKEUP EXAMS OR QUIZZES

The first missed quiz or exam is a dropped grade, unless accommodation is mandated by university policy. Proper documentation is required.

GRADING AND EXAM POLICIES

<table>
<tr><td>Grading</td><td>Final grade is determined as follows:

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 (mandatory)
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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</td></tr>
<tr><td>Exam Policy</td><td>• Attendance will be taken for tests. Therefore students must take their exams and quizzes in the sections where they are enrolled. QUIZZES AND EXAMS TAKEN IN OTHER SECTIONS ARE VOID.
• Comet card or picture ID is required.
• Students who take tests at the Office of Student Access (OSA) must schedule their tests as close to the times given in the syllabus as possible.
• Bathroom breaks are not allowed during exams or quizzes.</td></tr>
<tr><td>Regrade Policy</td><td>• Students who wish to submit an exam or quiz for regrade must do so within one week of receiving it back. After that the grade is final.
• The entire exam or quiz will be regraded.</td></tr>
<tr><td>Dropped Grade Policy and Missed Exams</td><td>There are no makeup exams or quizzes. The first missed quiz or exam is a dropped grade, unless accommodation is mandated by university policy. Documentation is required in all cases. Examples:

• Military or jury duty
• Major illness, hospitalization, or medical procedures
• Participation in university-sponsored events.

Minor emergencies and personal engagements such as travel, social events, family affairs, and funerals are NOT INCLUDED in this category, as they are already covered under the dropped grade policy.</td></tr>
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ADDITIONAL INFORMATION

Performing in Organic Chemistry	Contrary to popular belief, getting a good grade in organic chemistry is not difficult, but good study habits are essential to success in Organic Chemistry. The following are some recommendations: • Attend class regularly and be engaged. • Keep up with the material and review it periodically. • Work as many problems and exercises as possible. • Manage your TIME effectively: Develop a routine for studying, stay focused, and avoid distractions and interruptions. • Manage your ENERGY efficiently: Good nutrition, exercise, and work-rest balance are essential. Too much work without reset periods is as detrimental to your performance as avoiding or delaying work. • Find your optimal learning style (e.g. studying alone or in groups, studying in the morning or evening, engaging others, using visual aids, molecular models, index cards, etc.). • Keep a positive attitude. • Recognize your limitations and seek help when needed.
Supplemental Instruction (SI)	Supplemental Instruction (SI) may be offered for this course. For information refer to http://www.utdallas.edu/studentsuccess/help-with-courses/supplemental-instruction/
Peer Led Team Learning (PLTL)	Peer Led Team Learning (PLTL) consists of weekly 90 minute problem solving sessions guided by a trained undergraduate leader. Participation is optional, but you must commit for the semester. For additional information click on the link above or visit the Student Success Center.
Tutoring	Tutoring is available 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*.
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* Use the above link to access information on matters such as: • Incomplete grades policy • Disability services • Student conduct • Grievance procedures • Religious holy days • Withdrawal from class