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**CHEM 2325 – ORGANIC CHEMISTRY II**  
SPRING 2023

Dr. Sergio Cortes   SLC 3.509   972-883-6801   scortes@utdallas.edu   Hours: Mon. 3-4 pm

**CLASS MEETINGS:** Tue. / Thur. 2:30 – 3:45 pm   Room: SLC 2.303

**SI LEADER:** Zaineeb Saeed, [zxs180024@utdallas.edu](mailto:zxs180024@utdallas.edu)

**PREREQUISITES:** CHEM 2323 – Organic chemistry I

**DESCRIPTION:** This course is a continuation of CHEM 2323. The focus is on specific functional group chemistry, organic synthesis, and spectroscopic methods of structure determination.

**LEARNING OBJECTIVES & OUTCOMES**

- Acquire a unified understanding of the various functional groups and their chemistry
- Continue to develop a strong mechanistic base for understanding organic reactions
- Use spectroscopic methods to study molecular structure
- Acquire a basic understanding of organic synthetic strategy

**PARTIAL EXAMS:** There will be two 90 min. partial exams on the dates and times listed in the syllabus.

**QUIZZES:** There will be four 30 min. quizzes on the dates listed in the syllabus. Quizzes will be online and available from 1:00 to 10:00 pm. Central Time, in eLearning.

**FINAL EXAM:** There will be a comprehensive 2-hour final exam. The date and time will be announced once available.

**REQUIRED TEXTBOOK**

- L. G. Wade, Jr. *Organic Chemistry*. 9th. ed.

**RECOMMENDED MATERIALS**

- **Solutions Manual**

Strongly recommended, as it contains the answers to all the exercises in the textbook. You can either buy the textbook/solutions manual bundle, or share the cost of one copy with other students, since you won't need it on a regular basis.

- **Molecular model sets.** Reasonably priced kits can be obtained from the UTD or off-campus bookstores, and from online vendors. **Molecular models are allowed during exams & quizzes.**
- **ACCESS TO RANKING APP** (For practice with ranking questions): <https://ochemrank.com>

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<sup>1</sup> The descriptions and timelines presented in this syllabus are subject to change at the discretion of the Professor.

**CALENDAR – CHEM 2325 – SPRING 2023**

DATE	TOPIC	CHAPTER	QUIZZES
Jan. 17	Infrared Spectroscopy	12	
Jan. 19	Mass Spectrometry	12	
Jan. 24, 26, 31	Proton NMR	13	
Feb. 2	Carbon NMR	13	
Feb. 7	Alcohol Reactions	11	
<b>Feb. 9</b>	Alcohol Reactions	11	<b>Quiz 1 on Ch. 12, 13</b>
Feb. 14	Ethers and Epoxides	14	
Feb. 16	Conjugated Systems	15	
Feb. 21	Review		
<b>FEB. 22</b>	<b>TEST 1 on Ch. 11-14 (8:30 – 10 pm)</b>		
Feb. 23, 28	Conjugated Systems	15	
March 2, 7	Aromatic Systems	16	
March 9	Reactions of Aromatics	17	
<i>March 13 – 19</i>	<i>SPRING BREAK</i>		
March 21	Reactions of Aromatics	17	
<b>March 23</b>	Reactions of Aromatics	17	<b>Quiz 2 on Ch. 15-17</b>
March 28, 30	Aldehydes and Ketones	18	
April 4	Review		
<b>APRIL 5</b>	<b>TEST 2 on Ch. 15-18 (8:30 – 10 pm)</b>		
April 6, 11	Amines	19	
April 13	Carboxylic Acids	20	
April 18	Carboxylic Acid Derivatives	21	
<b>April 20</b>	Carboxylic Acid Derivatives	21	<b>Quiz 3 on Ch. 19, 20</b>
April 25, 27, May 2	Enols & Enolates	22	
<b>May 4</b>	Review		<b>Quiz 4 on Ch. 21, 22</b>
	<b>FINAL EXAM (TBA)</b>		

- Quizzes are online, open book & notes.
- Time limit: 30 min. or as required by accommodations.
- Quiz availability period: 1 – 10 pm, U.S. Central Time.

## GRADING POLICY

	Tot. points	Max. Points Possible
<b>2 Partial Exams @ 250 pts each</b>	2 x 250	500
<b>4 Quizzes @ 50 pts each</b>	4 x 50	200
<b>Final Exam @ 300 pts</b>	300	300
<b>Total</b>		<b>1000 points</b>

## LETTER GRADES

900 pts = <b>A+</b>	700 pts = <b>B+</b>	550 pts = <b>C+</b>	400 pts = <b>D+</b>
800 pts = <b>A</b>	650 pts = <b>B</b>	500 pts = <b>C</b>	350 pts = <b>D</b>
760 pts = <b>A-</b>	600 pts = <b>B-</b>	450 pts = <b>C-</b>	<350 pts = <b>F</b>

## DROPPED or ADJUSTED GRADES

**QUIZZES:** The lowest quiz score will be replaced by the average of the other 3 quiz scores.

**EXAMS:** The lower of the 2 partial exam grades will be replaced by a higher final exam grade as a percentage. For example, if the lowest partial exam grade is 100 out of 250 (40%), and the final exam grade is 150 out of 300 (50%), then the partial exam grade will become 125 out of 250 (50%).

### **THERE ARE NO MAKE-UP EXAMS OR QUIZZES UNLESS EXCUSED BY THE UNIVERSITY**

(See Make-up Policy below)

## EXAM POLICY

1. Comet Card or other official photo ID is required to take exams.
2. **Students must take the exams in the room assigned to their sections.**  
INSTRUCTORS CANNOT BE HELD RESPONSIBLE FOR LOST EXAMS IF THEY WERE TAKEN IN A DIFFERENT ROOM. LOST EXAMS WILL RECEIVE A GRADE OF ZERO UNLESS THE STUDENT CAN PRODUCE CONVINCING PROOF OF ATTENDANCE TO THE EXAM.
3. Students who take tests at the Office of Student Access (OSA) must schedule their tests according to OSA guidelines. For additional information and current guidelines visit the [Accessibility Resource Center](#).
4. Materials allowed during exams are a periodic table (provided) and molecular model kits.
5. Requests for regrades must be submitted **within a week of receiving your exam**. After that grades are considered final.

## QUIZ POLICY

1. Quizzes are online, open book and notes.
2. Time limit: 30 min. or as required by accommodations.
3. **Quiz availability period: 1 – 10 pm, U.S. Central Time.** If the provided time window does not work, you should contact the instructor 48 hours before the original date for re-scheduling.

## MAKE-UP POLICY

1. There are no early exams or quizzes given.
2. Make-up exams are only allowed when university policy provides for accommodations. Documentation is required in all cases. Common examples are:
  - Military or jury duty.
  - Major medical events such as illness, hospitalization, or quarantining.
  - Participation in university-sponsored events.
  - Accommodations recommended by a qualified professional such as a doctor or counselor, or a university official.
3. The final exam cannot be dropped or rescheduled due to the tight deadline to submit final grades to Records.
4. Students who cannot take the final exam as scheduled must take an Incomplete and arrange to take the final exam at a later date.
5. **Students requiring accommodations should contact the instructor as early as possible prior to the first quiz or exam.**

## STUDENT SUCCESS CENTER RESOURCES

The Student Success Center offers a number of resources to help students with courses. These include the PLTL program, Supplemental Instruction (SI) program, and tutoring. All of these services are available for this course. For information, refer to the [Student Success Center](#) webpage.

## ACADEMIC SUPPORT RESOURCES

Visit the [Academic Support Resources](#) website for information on, and a list of, the university's academic support resources and policies for all students.

## UTD SYLLABUS POLICIES AND PROCEDURES

Refer to the [Provost Webpage](#) for a complete list of university syllabus policies and procedures, including COVID-19 guidelines and resources, Incomplete grade policy, academic integrity, student conduct and discipline, and grievance procedures.

## COMET CREED

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

*"As a Comet, I pledge honesty, integrity, and service in all that I do."*