Course	**CHEM 2325 – OU1 Organic Chemistry II**
Professor	Dr. John Sibert
Term	Summer 2023
Meetings	MWF 2:30 PM to 3:45 PM (In Person), SCI 1.210

Contact Information

Office Phone	972 883-2918 (not the best way to contact me - voicemails are transcribed and directed to email)
Office Location	BE 3.520
Email Address	sibertj@utdallas.edu (best way to contact me)
Office Hours	M, W 4:00 to 5:00 PM (Workshop Format in SCI 1.210) or email me or stop by my office
Peer Tutoring	Student Success Center: https://studentsuccess.utdallas.edu/programs/peer-tutoring/ Drop-in Peer Tutoring: M - Th 11:00 to 6:00 (MC 1.401)

General Course Information

Pre-requisites, Co-requisites, & other restrictions	General Chemistry I, II and Organic Chemistry I
Course Description	This course is a continuation of Organic Chemistry I, CHEM 2323. Students who successfully complete this course acquire the ability to analyze and predict spectra of organic compounds, assess aromaticity of compounds and the reactivity of aromatic compounds, and to analyze the reactivity and properties of carbonyl-containing compounds. To learn organic chemistry requires dedication on the part of the student. I have designed this class with a clear structure – you should not view this course as self-paced. Organic Chemistry requires consistent, frequent study. Thus, I have constructed an environment in which you will learn lecture-by-lecture with clear expectations as to what you will need to do and by when. (See the accompanying "Summary of the Course" document for the appropriate pacing and study strategies.) Seek help if a concept is causing difficulties. The purpose of this course is to learn how organic molecules are characterized and the underlying basic principles that drive an organic reaction, allowing for both the explanation and prediction of chemical reactions. Some memorization is mandatory, but merely memorizing a certain reaction will only allow you to see a small part of organic chemistry. Understanding why the reaction occurs will enable you to see the bigger picture, appreciate what you are learning and retain the knowledge gained for future courses and standardized professional/graduate school exams.
Learning Outcomes	Upon completing this class, students will - Be able to understand the properties and reactivity of a variety of classes of organic compounds, including alcohols, amines, ethers, aromatics, and carbonyl containing compounds. - Be able to interpret spectral data of small organic molecules. - 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" 9th edition
Optional Texts, Readings, & Materials	1. For review of Organic Chemistry I Foundations: "Organic Chemistry I as a Second Language" by David R. Klein 2. Molecular model sets 3. Former Student Recommended Videos: - The Organic Chemistry Tutor (youtube) - leah4sci.com - ochemrank.com

Course Policies

Course Evaluation	(i) Midterm Exams (4 x 20%) 80% (ii) Quizzes (Completion and/or Spot Graded) 20% Grading is on a traditional 10-point scale (i.e. 90 - 100 = A- to A+, 80 – 89 = B- to B+, etc.) All graded work will be posted on eLearning with each assignment on a 100-point scale. The posted eLearning grades are my official class gradebook.
Exams and Quizzes	• **ALL EXAMS ARE IN PERSON** **Quizzes**: Quizzes will be take-home exercises. They are designed to prepare you for exams and help guide consistent study habits. Your lowest quiz grade will be dropped. **Homework**: Homework will be assigned as end-of-chapter exercises and posted (with keys) on our eLearning page. Homework is not graded but is the most important activity for exam preparation. To help you pace your efforts, each day's lecture notes will end with a homework assignment that is relevant to that day's lecture. Your task is to complete the homework and reading material for each lecture prior to the next lecture. This will help you to better understand the lectures and never get behind, which is particularly important in the shortened summer semester.
Extra Credit	There is **no extra credit**.
Class Attendance	***Your attendance (and consistent participation/engagement) is CRITICAL for your performance in this course*!**

Course Access and Navigation	This course is accessed using your UT Dallas netID account on the eLearning website. Please see the course access and navigation section of the Getting Started with eLearning webpage for more information. To become familiar with the eLearning tool, please see the Student eLearning Tutorials webpage. UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The eLearning Support Center includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.
Other Assistance	There are other resources available to you through the Student Success Center (SSC), including Supplemental Instructors (SI's) and walk-in tutors. You can learn more about the SI program and the SSC at the following website: https://www.utdallas.edu/studentsuccess/ Additional University academic support resources for all students can be found at the Academic Support Resources webpage.
UT Dallas Syllabus Policies and 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 Policies covered include: student conduct and discipline, academic integrity, copyright notice, email use, student grievance procedures, and religious holy days. Some additional information regarding some of these topics is included in related sections below.
Academic Integrity	The faculty expects from its students a high level of responsibility and academic honesty.

	Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work. *Academic Dishonesty:* Academic dishonesty can occur in relation to any type of work submitted for academic credit or as a requirement for a class. It can include individual work or a group project. Academic dishonesty includes plagiarism, cheating, fabrication, and collaboration/collusion. In order to avoid academic dishonesty, it is important for students to fully understand the expectations of their professors. This is best accomplished through asking clarifying questions if an individual does not completely understand the requirements of an assignment. Additional information related to academic dishonesty and tips on how to avoid dishonesty may be found here: https://www.utdallas.edu/conduct/dishonesty/.
Email Use	My policy in this class is to ***only*** communicate using your UT Dallas email address. If you experience any problems with your UTD account, you may send an email to: assist@utdallas.edu or call the UTD Computer Helpdesk at 972-883-2911.
Withdrawal from Class	The administration at UT Dallas has established deadlines for withdrawal from any course. These dates and times are published in the Comet Calendar (http://www.utdallas.edu/calendar) and in the Academic Calendar (http://www.utdallas.edu/academiccalendar). It is the student's responsibility to handle withdrawal requirements from any class. In other words, a professor or another instructor cannot drop or withdraw any student unless there is an administrative drop such as the following: • Not meeting the prerequisites for a specific course • Not satisfying the academic probationary requirements, resulting in suspension • An Office of Community Standards and Conduct request • Not making appropriate tuition and fee payments • Enrollment is in violation of academic policy • Not admitted for the term in which they registered It is the student's responsibility to complete and submit the appropriate forms to the Registrar's Office and ensure that he or she will not receive a final grade of "F" in a course if he or she chooses not to attend the class after being enrolled.
Incomplete Grades	As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of **F**.
Office of Student AccessAbility (OSA)	It is the policy and practice of UT Dallas to make reasonable accommodations for students with properly documented disabilities. If you are a student with a disability and believe you will need academic accommodations for this class, you are encouraged to register with the Office of Student AccessAbility (OSA). Some aspects of the course, the assignments, the in-class activities, and the way the course is typically taught may be accommodated to facilitate your participation and progress. OSA will assist you in determining academic accommodations that are appropriate for your situation. Any information you provide is private and confidential and will be treated as such. To avoid any delay, please contact OSA as soon as possible. Please note that accommodations are not retroactive, and disability accommodations cannot be provided until an OSA Letter of Accommodation has been given to the instructor. Students who have questions about receiving accommodations, or those who have, or

	think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact OSA for a confidential discussion. OSA is located in the Administration Building, AD 2.224 They can be reached by phone at 972-883-2098, or by email at studentaccess@utdallas.edu

Class Materials

The Instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be distributed in class or downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.

Schedule

Class Period	Day	Date	Topic	Chapter
1	Wed	May 24	Introduction and IR Spectroscopy	12
2	Fri	May 26	Org. Chem. I Take Home Quiz – **NO CLASS**	
	Mon	May 29	Memorial Day – **NO CLASS**	
3	Wed	May 31	Mass Spectrometry	12
4	Fri	June 2	Proton NMR Spectroscopy	13
5	Mon	June 5	Proton NMR Spectroscopy	13
6	Wed	June 7	Carbon NMR Spectroscopy	13
7	Fri	June 9	**EXAM 1**	
8	Mon	June 12	Reactions of Alcohols	11
9	Wed	June 14	Reactions of Alcohols	11
10	Fri	June 16	Ethers	14
	Mon	June 19	Juneteenth – **NO CLASS**	
11	Wed	June 21	Ethers	14
12	Fri	June 23	Conjugated Systems	15
13	Mon	June 26	Conjugated Systems	15
14	Wed	June 28	**EXAM 2**	
15	Fri	June 30	Aromatic Compounds	16
16	Mon	July 3	Aromatic Compounds	16
17	Wed	July 5	Reactions of Aromatics	17
18	Fri	July 7	Reactions of Aromatics	17
19	Mon	July 10	Ketones and Aldehydes	18
20	Wed	July 12	Ketones and Aldehydes	18
21	Fri	July 14	Ketones and Aldehydes	18
22	Mon	July 17	**EXAM 3**	
23	Wed	July 19	Amines	19
24	Fri	July 21	Amines	19
25	Mon	July 24	Carboxylic Acids	20
26	Wed	July 26	Carboxylic Acids	20
27	Fri	July 28	Carboxylic Acid Derivatives	21
28	Mon	July 30	Carboxylic Acid Derivatives	21
29	Wed	Aug 2	Enols and Enolates	22
30	Fri	Aug 4	Enols and Enolates	22
31	Mon	Aug 7	**EXAM 4**	

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