Course	**CHEM 2323-0u1 / Introductory Organic Chemistry I**
Instructor	Dr. Dushanthi Dissanayake
Term	Summer 2025 (June 2 – August 13, 2025)
Meetings	Monday, Wednesday and Friday / 10:00 AM – 11:15 AM
Locations	Cecil H. Green Hall (GR 3.420)

Professor's Contact Information

Office Phone	972- 883-3992
Office Location	Science Learning Center (SLC) 3.310
Email Address	dushanthi.dissanayake@utdallas.edu
Office Hours	Mondays and Wednesdays after class or by appointment.

General Course Information

Pre-Requisites	CHEM 1312 General Chemistry II
Course Description	This course is designed to provide a unified 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. Tests will be given at the date and time listed in the syllabus. No make-up tests will be given except for University excused absences. Student's lowest test grade can be replaced by final by percentage if applicable Quizzes will be given at the beginning of class time (30 minutes) on days indicated by the syllabus. The lowest quiz grade will be dropped and the total out of 150 will be calculated to 200. **Exams and quizzes are strictly individual assessments.** For exams and quizzes students may use a molecular model kit to work problems. A periodic table will be provided. Students often view organic chemistry as a difficult course. I strongly recommend that everyone attempt to keep up with the class as it proceeds. This is not a course where it is easy to 'cram' for a test. Students invariably do better once they learn how to visualize organic molecules, and reactions, in three dimensions. If you know this is hard for you, I recommend using molecular models to try and view the molecules. Also try to realize that this is not a memorization course. While some memorization is unavoidable, the purpose of this course is to teach everyone the underlying basic principles that drive an organic reaction. Once these principles are handled a student will be able to understand, and predict, why any reaction occurs. The course notes used during lectures can be downloaded as pdf files from eLearning.
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", 9th edition, 2017
Suggested Materials	Solution manual to textbook, molecular model kit.
Course Access and Navigation	This course can be 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.
Communication	This course utilizes online tools for interaction and communication. Some communication tools such as regular email and MS teams web conferencing tool may also be used during the semester. For more details, please visit the Student eLearning Tutorials webpage for video demonstrations on eLearning tools.

Assignments & Academic Calendar
[Topics, Reading Assignments, Due Dates, Exam Dates]

Date			Topic	Chapter	Quiz / Exam
Mon	Wed	Fri			
June 2	4	6	Introduction / Structure and Bonding	1	N
9	11	**13**	Acids and Bases, Functional Groups **Quiz 1**	2	**Y**
16	18	20	Alkanes	3	N
23	25	**27**	Stereochemistry **Test 1 (Chapters 1, 2, 3 and 5)**	5	**Y**
30	July 2		Chemical Reactions	4	N
7	9	**11**	Nucleophilic Substitutions (S_N2, S_N1) **Quiz 2**	6	**Y**
14	16	18	Nucleophilic Substitutions and Elimination Reactions (S_N2/S_N1/E1/E2)	6/7	N
21	23	25	Reactions of Alkenes **Test 2 (Chapters 4, 6 and 7)**	8	**Y**
28	30	**August 1**	Reactions of Alkenes/Alkynes **Quiz 3**	8/9	**Y**
4	6	**8**	Reactions of Alkynes **Quiz 4**	9	**Y**
11	13		Structure and Synthesis of Alcohols	10	N
			Final exam Date and Time (Chapters 1 to 10) **TBA**		

Days with either a test or quiz are marked in **bold**

Course Policies

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<tr><td>Class Materials</td><td>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 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.</td></tr>
<tr><td>Class Recordings</td><td>Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the 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.</td></tr>
<tr><td>Grading (credit) Criteria</td><td>Grades will be determined from a combination of 4 quizzes, 2 exams, and a final exam. The lowest exam grade can be substituted with the final exam (by percentage).

Tests 2 x 250 500 points
Quizzes 4 x 50 200 points
Final Test 1x300 300 points
Total 1000 points

900 – 1000 = A+ | 700 – 759 = B+ | 550 – 599 = C+ | 400 – 449 = D+
800 – 899 = A | 650 – 699 = B | 500 – 549 = C | 350 – 399 = D
760 – 799 = A- | 600 – 649 = B- | 450 – 499 = C- | <350 = F

All re-grades for tests and quizzes must be turned in within one week of taking the quiz or test.</td></tr>
<tr><td>Make-up Exams</td><td>There are no make-up exams or quizzes except for university excused absences. If a student misses either an exam or quiz, then that missed grade will be counted as their dropped exam/quiz.</td></tr>
<tr><td>Tutoring</td><td>Tutoring is available for through the Student Success Center.</td></tr>
<tr><td>UT Dallas Syllabus Policies and Procedures</td><td>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</td></tr>
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These descriptions and timelines are subject to change at the discretion of the Professor.