



Course CHEM 2323 Organic Chemistry I Section 0u1
Professor Daniel Tran
Term Summer 2024
Meetings 10:00 AM – 11:15 AM MWF
Office Hours After class or by appointment

Professor's Contact Information

Office Phone 972 – 883 – 3993

Office Location BE 2.519

Email Address tran.daniel@utdallas.edu

Other Information Contact by e-mail to set up an appointment if you cannot make it to normal office hours.

Course Syllabus

Pre-requisites, Co-requisites, & other restrictions	CHEM 1312 General Chemistry II
Course Description	This course is designed to provide an 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. Quizzes will be given at the beginning of class time on the days indicated by the syllabus. 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. 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 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", ninth edition, 2017
Suggested Texts, Readings, & Materials	Solution manual to textbook, molecular model kit.

Grading Policy	Grades will be determined from a combination of 4 quizzes, 2 tests, and a final exam. The lowest test grade can be substituted with the final exam (by percentage).															
	<table><tr><td>Tests</td><td>2 x 250</td><td>500 points</td></tr><tr><td>Quizzes</td><td>4 x 50</td><td>200 points</td></tr><tr><td>Final Exam</td><td>1 x 300</td><td>300 points</td></tr><tr><td>Total</td><td></td><td>1000 points</td></tr></table>				Tests	2 x 250	500 points	Quizzes	4 x 50	200 points	Final Exam	1 x 300	300 points	Total		1000 points
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Class Participation	Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in groups or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to university requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.															
Comet Creed	<i>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:</i> <i>“As a Comet, I pledge honesty, integrity, and service in all that I do.”</i>															
Make-up Exams	There are no make-up exams or quizzes except for University excused absences.															
Academic Support Resources	<i>The information contained in the following link lists the University’s academic support resources for all students.</i> • Please go to http://go.utdallas.edu/academic-support-resources .															

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

Assignments & Academic Calendar

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

Date			Topic	Chapter
Mon	Wed	Fri		
		May 31	Introduction / Structure and Bonding	1
June 3	5	7	Acids, Bases, and Functional Groups	2
10	12	14	Alkanes Quiz 1	3
17		21	Stereochemistry	5
24	26	28	Chemical reactions Exam 1 (Chapters 1, 2, 3, 5)	4
July 1	3	5	S _N 2 / S _N 1 / E2 / E1 reactions	6
8	10	12	S _N 2 / S _N 1 / E2 / E1 reactions Quiz 2	6
15	17	19	Alkenes Exam 2 (Chapters 4, 6, 7)	7
22	24	26	Reactions of Alkenes	8
29	31	August 2	Reactions of Alkynes Quiz 3	9
5	7		Alcohols Quiz 4	10
Final Exam TBD Chapters 1 - 10				