

University of North Texas at Dallas
FALL 2016
SYLLABUS

CHEM 2370: Organic Chemistry		3Hrs
Department of	Life and Health Sciences	Division of
		Liberal Arts and Sciences
Instructor Name:	Dr. Muhammed Yousufuddin	
Office Location:	DAL2 252	
Office Phone:	972-338-1528	
Email Address:	myousuf@untdallas.edu	
Office Hours:	T: 9-10 am, 1-3 pm; W: 3:30-5:30 pm; Th: 9-10 am	
Virtual Office Hours:	N/A	
Classroom Location:	TBA	
Class Meeting Days & Times:	TTh 10-11:20 am, W 5:30-6:20 pm	
Course Catalog Description:	Structure, nomenclature, occurrence and uses of main classes of organic compounds; functional groups and their interconversion; character of chemical bonding; stereochemistry; structure and reactivity; acid/base reactions, resonance, inductive and steric effects; reaction mechanisms.	
Prerequisites:	CHEM 1410, CHEM 1420, CHEM 1430, CHEM 1440	
Co-requisites:	CHEM 3210	
Required Text:	Organic Chemistry (David Klein)	
Recommended Text and References:	N/A	
Access to Learning Resources:	UNT Dallas Library: phone: (972) 338-1616; web: http://www.untdallas.edu/our-campus/library UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fhcg.follett.com	
Course Goals or Overview:	To give students an understanding of fundamental concepts in organic chemistry. This course is intended for students majoring in Biology and/or minoring in Chemistry.	
Learning Objectives/Outcomes:	At the end of this course, the student will	
1	Correctly name organic compounds using IUPAC nomenclature, or, given an IUPAC name, depict the molecular structure.	
2	Accurately represent the structure of any organic compound, both on paper and also in three dimensional space using models or drawings.	
3	Account for the physical properties and chemical reactivity of any organic compound on the basis of molecular structure.	
4	Predict the outcome of an organic reaction, given the identities of the reactants.	
5	Recognize important substances and chemical processes which have practical applications in household, laboratory, industry, and medicine.	
6	Use the theoretical concepts of reactive intermediates, molecular orbitals, hybridization, resonance, tautomerism, and polarity in discussing the structure and reactivity of organic compounds.	

Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated in class.

TOPICS	TIMELINE	Other deadlines
Chapter 1: A Review of General Chemistry	Week of 8/22/16	
Ch. 2: Molecular Representations/Ch. 3: Acids and Bases	Week of 8/29/16	HW 1
Cont. Ch. 3/Ch. 4: Alkanes and Cycloalkanes	Week of 9/5/16	HW 2
Cont. Ch. 4/ Test 1	Week of 9/12/16	HW 3
Chapter 5: Stereoisomerism	Week of 9/19/16	HW 4
Chapter 6: Chemical Reactivity and Mechanisms	Week of 9/26/16	HW 5
Chapter 7: Substitution Reactions/ Test 2	Week of 10/3/16	HW 6
Chapter 8: Alkenes: Elimination Reactions	Week of 10/10/16	HW 7
Chapter 9: Addition Reactions of Alkenes	Week of 10/17/16	HW 8
Chapter 10: Alkynes/ Test 3	Week of 10/24/16	HW 9
Chapter 11: Radical Reactions	Week of 10/31/16	HW 10
Chapter 12: Synthesis	Week of 11/7/16	HW 11
Chapter 13: Alcohols and Phenols	Week of 11/14/16	HW 12
Test 4 /Ch. 14: Ethers and Epoxides; Thiols and Sulfides	Week of 11/21/16	HW 13
Continue Chapter 14	Week of 11/28/16	HW 14
FINAL EXAM	TBA	

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Four Exams and one Final Exam

Chapter Homework – assigned problems from Textbook

Grading Matrix:

Instrument	Value (points or percentages)	Total
Exams	4 exams @ 100 pts ea	400
Final Exam	200 pts	200
Chapter Homework	14 @ ~7 pts ea	100
Total:		600

Grade Determination will use the following guidelines:

A = 600 – 537 pts; i.e. 90% or more

B = 536 – 477 pts; i.e. 80 – 89 %

C = 476 -- 417 pts; i.e. 70 – 79 %

D = 416 – 357 pts; i.e. 60 – 69 %

F = 356 pts or below; i.e. less than 60%

University Policies and Procedures

Students with Disabilities (ADA Compliance): The University of North Texas at Dallas makes reasonable academic accommodation for students with disabilities. Students seeking accommodations must first register with the Disability Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, DSO notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet/communicate with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Disability Services Office website at <http://www.untdallas.edu/disability>. You may also contact them by phone at 972-338-1777; by email at UNTDdisability@untdallas.edu or at Founders Hall, room 204. (UNTD Policy 7.004)

CourseEval Policy: Student's evaluations of teaching effectiveness is a requirement for all organized classes at UNT Dallas. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider students' evaluations to be an important part of your participation in this class.

Assignment Policy: According to the instructor's discretion while working in concert with the division/program's guidelines).

Exam Policy: (*Discuss any special instructions relating to exams-sample given*): Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook).

Academic Integrity: Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity (Policy 7.002) at http://www.untdallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic%20Integrity.pdf Refer to the Student Code of Student Rights, Responsibilities and Conduct at http://www.untdallas.edu/sites/default/files/page_level2/hds0041/pdf/7_001_student_code_of_conduct_may_2014.pdf Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. In addition, all academic work turned in for this class, including exams, papers and written assignments must include the following statement: "*On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNTD Academic Integrity Policy.*"

Bad Weather Policy: Campus facilities will close and operations will be suspended when adverse weather and/or safety hazards exist on the UNTD campus or if travel to the campus is deemed dangerous as the result of ice, sleet or snow. In the event of a campus closure, the Marketing and Communication Department will report closure information to all appropriate major media by 7 a.m. That department will also update the UNTD website, Facebook and Twitter with closing information as soon as it is possible. For more information please refer to <http://www.untdallas.edu/police/resources/notifications>

Attendance and Participation Policy: (*Discuss your attendance and participation policy.*)

The University attendance policy is in effect for this course. Please refer to Policy 7.005 Student Attendance at <http://www.untdallas.edu/hr/upol>

Diversity/Tolerance Policy: Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive and inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Dean of Students as the instructor deems appropriate. (UNTD Policy 7.001)