

GEORGETOWN UNIVERSITY
Organic Chemistry I, Chem 115-10 - Summer 2019
M-F 12:00pm to 2:00pm - White Gravenor 405
Professor Dr. Oscar E. Zimmerman

Office: Reiss 240-A
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Office Hours: Professor Zimmerman by appointment

TEXT: "Organic Chemistry" by John E. McMurry (Brooks/Cole); 9th Edition.

SUGGESTED SUPPLEMENTARY MATERIAL:

- 1) "Study Guide with Student Solutions Manual for McMurry's Organic Chemistry, 9th by John E. McMurry. (Strongly recommended).
- 2) Molecular models. (Strongly recommended).
- 3) "Organic Chemistry as a Second Language" 3e: First Semester Topics by D. Klein (library reserves, 3rd floor Reiss).
- 4) "Organic Chemistry as a Second Language" 3e: Second Semester Topics by D. Klein (library reserves, 3rd floor Reiss).
- 5) "Problems Workbook for Organic Chemistry" by Svoronos/Sorlo, McGraw-Hill.
- 6) "Organic Chemistry" by M. Jones Jr. and S.A. Fleming.
- 7) "Organic Chemistry" by L.G. Wade.

BLACKBOARD: We will use this resource extensively. The course page will serve as the portal for communication between the instructor and students. Also located here (under 'Addn'l Resources') are links to electronic resources associated with the text- additional problems, graphics, etc.

Grades:

A-, A	85 - 100	D, D+	50 - 57.5
B-, B, B+	75 - 82.5	F	< 50
C-, C, C+	65 - 72.5		

CELL PHONES AND CALCULATORS: The use of cell phone during lecture is not permitted. If I see you 'texting,' I will confiscate the phone and deduct two points from your final average as well. For exams and quizzes, you may use **non-graphing calculators only!** No iPhones etc. If you are concerned as to whether your calculator is acceptable, please present it to me prior to an exam. An inexpensive scientific calculator, like a [TI-30X](#), or the [HP 35S](#) are good ideas.

E-MAIL: E-mail correspondence with the instructor is encouraged. That said, office hours are far more effective! When e-mailing the instructor and/or TA, please use your official GU account (to protect student privacy). E-mails received from other providers (Gmail, Yahoo, Hotmail, etc.) will be ignored and deleted. Please **INCLUDE YOUR NAME AND A SUBJECT LINE IN ALL** correspondence! Lastly, please consider all sources of information prior to sending an e-mail.

LAPTOPS: Use of laptops during the lectures is permitted **ONLY** by prior arrangement with me. If permitted, you will be required to sit in the last row of the lecture hall.

LECTURE TIME: I have requested two hours for this course, which is much longer than the normal allocation of time. This additional allocation provides flexibility; as the course progresses I may finish a lecture in less than two hours or skip a day if the course is on schedule.

HONOR CODE: *In the pursuit of the high ideals and rigorous standards of academic life, I commit myself to respect and uphold the Georgetown University Honor System: To be honest in any academic endeavor, and To conduct myself honorably, as a responsible member of the Georgetown community, as we live and work together.*

Infringement will be reported and procedures followed.

COURSE SCHEDULE.

The actual pace of the course may vary (and impact exam *content*), yet exam *dates* are fixed.

Week of	Topic	Chapter
June 03 - June 07	Structure and Bonding	1
	Polar Covalent Bonds; Acids and Bases	2
	Alkanes and Their Stereochemistry	3
	Cycloalkanes and Their Stereochemistry	4
June 10 - June 14	Stereochemistry at Tetrahedral Centers	5
	An Overview of Organic Reactions	6
	Alkenes: Structure and Reactivity	7
June 17 - June 21	Alkenes: Reactions and Synthesis	8
	Alkynes: An Introduction to Organic Synthesis	9
	Organohalides	10
	Reactions of Alkyl Halides: Nucleophilic Substitutions and Eliminations	11
June 24 - July 28	Mass Spectrometry and Infrared Spectroscopy	12
	Nuclear Magnetic Resonance Spectroscopy	13
	Conjugated Compounds and Ultraviolet Spectroscopy	14
July 01-02	Benzene and Aromaticity	15
	Catch Up	
July 03	FINAL EXAM (8:30am-11:30am) NOTE: Morning!	

Exam Dates: One hour exams - June 10, 17, and 24 (20% each)

Final exam - July 3 (8:30am-11:30am) (40%)

Make-Ups - None; with an acceptable excuse, the Final Exam will count 60%

IMPORTANT DATES:

Classes Begin:	06/03/19
Classes End:	07/05/19
Last Day to Add/Drop:	06/05/19
Last Day for Pass/Fail:	06/05/19
Last Day for Withdrawal:	06/24/19 by 11:59 PM