

GEORGETOWN UNIVERSITY
Organic Chemistry I, Chem 115-10 - Summer 2021
M-F 12:00pm to 2:00pm - White Gravenor 405
Professor Dr. Oscar E. Zimmerman

Office:

Telephone:

E-mail: zimmermao@georgetown.edu (better way to contact than phone)

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.

CANVAS: We will use this resource extensively. The course page will serve as the portal for communication between the instructor and students.

Grades:

≥92.5	A	≥80.0	B	≥70.0	C	≥50.0	D
≥85.0	A-	≥75.0	B-	≥65.0	C-	< 50	F
≥82.5	B+	≥72.5	C+	≥57.5	D+		

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.

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.

SPECIAL ACCOMMODATIONS: If you believe that you have a disability that will affect your performance in this class, please contact the Academic Resource Center (arc@georgetown.edu) for further information. The center is located in the Leavey Center, Suite 338. The Academic Resource Center is the campus office responsible for reviewing documentation provided by students with disabilities and for determining reasonable accommodations in accordance with the Americans with Disabilities Act (ADA) and University policies.

COURSE SCHEDULE.

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

Week of	Topic	Chapter
June 07 - June 11	Structure and Bonding	1
	Polar Covalent Bonds; Acids and Bases	2
	Alkanes and Their Stereochemistry	3
	Cycloalkanes and Their Stereochemistry	4
June 14 - June 18	Stereochemistry at Tetrahedral Centers	5
	An Overview of Organic Reactions	6
	Alkenes: Structure and Reactivity	7
June 21 - June 25	Alkenes: Reactions and Synthesis	8
	Alkynes: An Introduction to Organic Synthesis	9
	Organohalides	10
	Reactions of Alkyl Halides: Nucleophilic Substitutions and Eliminations	11
June 28 – July 02	Mass Spectrometry and Infrared Spectroscopy	12
	Nuclear Magnetic Resonance Spectroscopy	13
July 05 – July 06	Conjugated Compounds and Ultraviolet Spectroscopy	14
	Catchup Days	
July 07	Study Day	
July 08	FINAL EXAM	

Exam Dates: One-hour exams - June 14, 21, and 28 (20% each)

Final exam - July 08 (40%)

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

IMPORTANT DATES:

Classes Begin: 06/07/21
Classes End: 07/09/21
Last Day for Withdrawal: 07/15/21 by 11:59 PM