

**GEORGETOWN UNIVERSITY**  
**Organic Chemistry I, Chem 115-10 - Summer 2020**  
**M-F 12:00pm to 2:00pm - White Gravenor 405**  
**Professor Dr. Oscar E. Zimmerman**

Office: Reiss 240-A  
Telephone: 202-687-5954  
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**Office Hours:** Professor Zimmerman by appointment

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

**SUGGESTED SUPPLEMENTARY MATERIAL:**

- 1) "Study Guide with Student Solutions Manual for McMurry's Organic Chemistry, 9<sup>th</sup> 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, 3<sup>rd</sup> floor Reiss).
- 4) "Organic Chemistry as a Second Language" 3e: Second Semester Topics by D. Klein (library reserves, 3<sup>rd</sup> 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:**

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.

**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.**

**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](mailto: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.

<b>Week of</b>	<b>Topic</b>	<b>Chapter</b>
June 01 - June 05	Structure and Bonding	1
	Polar Covalent Bonds; Acids and Bases	2
	Alkanes and Their Stereochemistry	3
	Cycloalkanes and Their Stereochemistry	4
June 08 - June 12	Stereochemistry at Tetrahedral Centers	5
	An Overview of Organic Reactions	6
	Alkenes: Structure and Reactivity	7
	Alkenes: Reactions and Synthesis	8
June 15 - June 19	Alkynes: An Introduction to Organic Synthesis	9
	Organohalides	10
	Reactions of Alkyl Halides: Nucleophilic Substitutions and Eliminations	11
	Mass Spectrometry and Infrared Spectroscopy	12
June 22 – June 26	Nuclear Magnetic Resonance Spectroscopy	13
	Conjugated Compounds and Ultraviolet Spectroscopy	14
	Benzene and Aromaticity	15
June 29-30	Catch Up	
July 01	Study Day	
July 02	FINAL EXAM (8:30am-11:30am) <b>NOTE: Morning!</b>	

**Exam Dates:** One hour exams - June **08**, **15**, and **22** (20% each)

**Final exam - July 02** (8:30am-11:30am) (40%)

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

**IMPORTANT DATES:**

Classes Begin: 06/01/20  
Classes End: 07/03/20  
Last Day for Withdrawal: 06/18/20 by 11:59 PM