

GEORGETOWN UNIVERSITY
Organic Chemistry II, Chem 116 – 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 I as a Second Language” 3e: Second Semester Topics by D. Klein (library reserves, 3rd floor Reiss).
- 4) “Organic Chemistry as a Second Language” 3e: First 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.

IMPORTANT NOTE: Students joining Organic Chemistry II are expected to have reviewed material covered in Organic Chemistry I of the preceding session. See syllabus and text used for this Georgetown course.

COURSE SCHEDULE.

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

Week of	Topic	Chapter
July 12 - 16	Benzene and Aromaticity	15
	Chemistry of Benzene: Electrophilic Aromatic Substitution	16
	Alcohols and Phenols	17
July 19 - 23	Ethers and Epoxides; Thiols and Sulfides	18
	Aldehydes and Ketones: Nucleophilic Addition Reactions	19
	Carboxylic Acids and Nitriles	20
July 20 - 24	Carboxylic Acid Derivatives: Nucleophilic Acyl Substitution Reactions	21
	Carbonyl Alpha-Substitution Reactions	22
	Carbonyl Condensation Reactions	23
Jul 26 - 30	Amines and Heterocycles	24
	Biomolecules: Carbohydrates	25
	Carbohydrates (con'd)	25
Aug 02 - 06	Biomolecules: Amino Acids, Peptides, and Proteins	26
	Biomolecules: Nucleic Acids	28
Aug 09 - 10	Catch-up days	
Aug 11	Study day	
Aug 12	Final Exam	

Exam Dates: One-hour exams - July 19, 26, and August 02 (20% each)

Final exam - August 12 (40%)

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

IMPORTANT DATES:

Classes Begin: 07/12/21
Classes End: 08/13/21
Last Day for Withdrawal: 08/10/21 by 11:59 PM