

GEORGETOWN UNIVERSITY
Organic Chemistry II, Chem 116 – Summer 2023
M-F 12:00pm to 2:00pm - Reiss 103
Prof. Oscar Zimerman

Office: Reiss 236
Telephone: 202-687-5610
E-mail: zimmermao@georgetown.edu (better way to contact than phone)

Office Hours: Professor Zimerman by appointment

PRIMARY TEXT:

- “Organic Chemistry” by John E. McMurry (Brooks/Cole); 9th Edition.
- "Study Guide with Student Solutions Manual for McMurry's Organic Chemistry, 9th by John E. McMurry.

SUGGESTED SUPPLEMENTARY MATERIAL:

- Molecular models. (Strongly recommended).
- “Organic Chemistry as a Second Language” 3e: First Semester Topics by D. Klein (library reserves, 3rd floor Reiss).
- “Organic Chemistry as a Second Language” 3e: Second Semester Topics by D. Klein (library reserves, 3rd floor Reiss).
- "Problems Workbook for Organic Chemistry" by Svoronos/Sorlo, McGraw-Hill.
- “Organic Chemistry” by M. Jones Jr. and S.A. Fleming.
- “Organic Chemistry” by L.G. Wade.

CANVAS: We will extensively use Canvas for this course, and it will serve as the main platform for communication between the instructor and students. Links to additional course resources, like problems and graphics, can be found under 'Addn'l Resources'.

COMPOSITION OF FINAL GRADE:

Exam	%
1 st	20
2 nd	20
2 nd	20
<u>Final</u>	<u>40</u>
Total	100

GRADING SCALE:

≥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+		

COMMUNICATING WITH THE INSTRUCTOR:

I am here to support your learning, and I encourage you to reach out to me via email or during office hours. To ensure student privacy, please use your official GU account when emailing me or the TA. Emails from other providers will unfortunately be ignored and deleted. When emailing, please include your name and a descriptive subject line. Lastly, please take advantage of all resources available to you before emailing - you might find the answer you need faster that way!

LECTURE TIME: I have requested two hours for this course, which is much longer than the normal allocation of time. This additional time 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. It's important to note that not all the material in the textbook can be covered during lectures. Therefore, I will be focusing on challenging concepts and topics that may not be in the textbook. It is your responsibility to cover all the material detailed in the "Coverage and Suggestions for Problems" document (available on Canvas).

CELLPHONE:

To ensure an engaged learning environment, please refrain from using your cellphone during class. If you need to use your phone for an emergency, please let me know in advance. Thank you for your cooperation in creating a respectful classroom community.

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 10	Chemistry of Benzene: Electrophilic Aromatic Substitution	16
	Alcohols and Phenols	17
	Ethers and Epoxides; Thiols and Sulfides	18
July 17	Aldehydes and Ketones: Nucleophilic Addition Reactions	19
	Carboxylic Acids and Nitriles	20
	Carboxylic Acid Derivatives: Nucleophilic Acyl Substitution Reactions	21
July 24	Carbonyl Alpha-Substitution Reactions	22
	Carbonyl Condensation Reactions	23
	Amines and Heterocycles	24
July 31	Biomolecules: Carbohydrates	25
	Carbohydrates (con'd)	25
	Biomolecules: Amino Acids, Peptides, and Proteins	26
Aug 07	Nucleic Acids	28
Aug 08	Catch-up/review	
Aug 09	Study day	
Aug 10	Final Exam (Time: 8:30am-11:30am) NOTE: Morning!	

Exam Dates: One-hour exams - July 17, 24, and 31 (20% each)

Final exam - August 10 (40%)

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

IMPORTANT DATES:

Classes Begin: 07/10/22
Classes End: 08/11/22
Last Day for Withdrawal: 08/08/22 by 11:59 PM