

Syllabus
CHEM 223-020/021 (Fall 2022) Organic Chemistry A

COURSE INFORMATION**Course Instructor**

Instructor: Dr. James Devery (Ph.D. in Organic Chemistry)
 Office: Flanner Hall 215
 Department: Chemistry & Biochemistry
 Email: jdevery@luc.edu

Course Personnel

Assistant Instructor: Dr. Sandra Helquist (Ph.D. in Organic Chemistry)
 Office: Flanner Hall 200B
 Department: Chemistry & Biochemistry
 Email: shelquist@luc.edu

Course Schedule

Lecture: Tu/Th 4:15 PM – 5:30 PM (Flanner Hall 7)
 Discussion: Th 5:45 PM – 6:35 PM (Flanner Hall 7)
 Office Hours: See Course Overview on Sakai

Email

In most cases I will be able to respond within 24 hours Monday-Friday when classes are in session. You are encouraged to use Office Hours to get immediate answers to your questions, and to use your classmates as resources for help. You are welcome to email me in the evenings/nighttime, and you can expect a response sometime during the next day.

Course Material and Website

Textbook: Organic Chemistry (4th Edition, by David Klein), Wiley
 (Required) ISBN-13: 978-1-119-659594

Solutions Manual: Organic Chemistry Student Study Guide and Solutions Manual
 (Recommended) (by David Klein), Wiley

Course Website: sakai.luc.edu
 (Required)

GRADING POLICY**Course Grade**

(1) 2 Quizzes	20%
(2) 2 Midterm Exams	36%
(3) 1 Final Exam	30%
(4) Participation	14%
Total	100%

(1) Two Best Quiz Grades (100 points each, 200 points, 20% total)

There will be three (3) quizzes during the semester. The lowest quiz grade will be dropped. The quizzes cover lecture topics and will be held during the Lecture. There are NO MAKEUP quizzes. If you miss a quiz, it will be considered the lowest quiz grade and will be dropped.

(2) Two Best Midterm Grades (18% each, 36% total)

There are three (3) midterm exams on the dates listed below. The lowest exam grade will be dropped. The midterm exams cover lecture topics and will be held during the Lecture. There are NO MAKEUP midterm exams. If you miss an exam, it will be considered the lowest exam grade and will be dropped.

Midterm Exam Dates: September 29, November 3 & **December 8.**

(3) Final Exam (300 points, 30%)

The final exam will take place on **Thursday, December 15, 2022 at 7:00–9:00 PM in LSB 142.** The final exam is cumulative. All topics discussed during lecture over the semester are on the final. There are NO MAKEUP final exams.

- One Exception: Individual students who have four (4) final examinations scheduled for the same date may request to have one of those exams rescheduled. If you have four (4) final examinations scheduled for December 15, 2022, you should e-mail a petition to Adam Patricoski, Assistant Dean for Student Academic Affairs, CAS Dean's Office (apatricoski@luc.edu).

(4) Participation (14%)

Participate in class and discussion sections.

Authorized Class Absence On a strictly limited and pre-approved basis, you may be allowed to miss a class in order to participate in a University-sponsored event (e.g., official athletic games). It is your obligation to inform me of such an authorized absence in a timely fashion; in most cases, this information can be made available to me at the beginning of the semester. For athletic events, I need to receive a written schedule from an Athletics academic advisor.

Letter Grade Cutoffs:

A	90.0%	C+	65.0%
A-	85.0%	C	60.0%
B+	80.0%	C-	55.0%
B	75.0%	D	40.0%
B-	70.0%	F	< 40%

COURSE POLICY

Academic Integrity

Academic honesty is an expression of interpersonal justice, responsibility and care, applicable to Loyola University faculty, students, and staff, which demands that the pursuit of knowledge in the university community be carried out with sincerity and integrity. The descriptions of cheating, plagiarism, fabrication, and falsification given at the site "The College of Arts and Sciences Statement on Academic Integrity" will be used in determining whether a student has violated academic integrity. All students in this course are expected to have read and to abide by this demanding standard of personal honesty, drafted by the College of Arts & Sciences.

Anything you submit that is incorporated as part of your grade in this course must represent your own work. Any student found to have cheated on, plagiarized, fabricated, or falsified any portion of a test or assignment, will receive a zero on that test or assignment and this grade cannot be dropped. The student has the right to appeal the instructor's decision. If the student does so, the Academic Grievance Procedure will be followed. If a student is found to have cheated on, plagiarized, fabricated, or falsified any portion of a test or assignment for a second time in this class, they will receive an F for the class. In all cases of academic dishonesty, the instructor will report the incident to the Office of the CAS Dean.

Student Accommodations

Loyola University provides reasonable accommodations for students with disabilities. Any student requesting accommodations related to a disability or other condition is required to register with Student Accessibility Center (SAC), located in Sullivan Center, Suite 117. Professors receive the accommodation notification from SAC via Accommodate. Students are encouraged to meet with their professor individually in order to discuss their accommodations. All information will remain confidential. Please note that in this class, software may be used to record class lectures in order to provide equal access to students with disabilities. Students approved for this accommodation use recordings for their personal study only and recordings may not be shared with other people or used in any way against the faculty member, other lecturers, or students whose classroom comments are recorded as part of the class activity. Recordings are deleted at the end of the semester. For more information about registering with SAC or questions about accommodations, please contact SAC at 773-508-3700 or SAC@luc.edu.

Dropping and Withdrawal

September 11:	Last day to withdraw without a "W" grade.
September 11:	Last day to withdraw with a 100% Bursar credit.
September 25:	Last day to withdraw with a 50% Bursar credit.
October 2:	Last day to withdraw with a 20% Bursar credit.
November 4:	Last day to withdraw with a "W" grade.

Tutoring

The Center for Tutoring & Academic Excellence provides Loyola students the opportunity to engage in Collaborative Learning conversations that will increase retention of course material, improve study habits, assist in achieving higher grades, and encounter new friends. For more information concerning our free tutoring services visit: www.luc.edu/tutoring/

Other Items

- A link to the official Loyola calendar can be found here: <https://www.luc.edu/academics/schedules/>
- The Withdraw deadline for the semester is on Friday, November 4.
- Loyola is using SmartEvals to provide instructor & course feedback. OIE will send emails near the end of the term.

COURSE DESCRIPTION

This lecture course (CHEM 223) is provided for non-chemistry majors covering nomenclature, properties, reactions, and syntheses of various classes organic compounds. In addition to lectures, weekly discussion sections will be provided to ensure that students gain strong problem-solving skills. At the end of the semester, students will be able to identify and propose synthetic routes for various organic compounds. Course Topics

Chapter 1:	A Review of General Chemistry: Electrons, Bonds, and Molecular Properties
Chapter 2:	Molecular Representations
Chapter 3:	Acids and Bases
Chapter 4:	Alkanes and Cycloalkanes
Chapter 5:	Stereoisomerism
Chapter 6:	Chemical Reactivity and Mechanisms
Chapter 7:	Alkyl Halides: Nucleophilic Substitution and Elimination Reactions
Chapter 8:	Addition Reactions of Alkenes
Chapter 9:	Alkynes
Chapter 10:	Radical Reactions
Chapter 11:	Synthesis
Chapter 12:	Alcohols and Phenols
Chapter 13:	Ethers and Epoxides; Thiols and Sulfides
Chapter 14:	Infrared Spectroscopy and Mass Spectrometry

CHANGES TO SYLLABUS

There may be changes to the syllabus during the semester. You are responsible for all syllabus changes made in class whether or not you attend.

CALENDAR

There will be three (3) quizzes during the semester. No make-up quizzes will be given.

There will be three (3) midterm exams during the semester. No make-up midterms will be given. * The final exam time is given by the University. No make-up finals will be given.

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	8/29	8/30 Lecture 1	8/31	9/1 Lecture 2	9/2
2	9/5 Labor Day	9/6 Lecture 3	9/7	9/8 Lecture 4 Discussion 1	9/9
3	9/12	9/13 Lecture 5	9/14	9/15 Lecture 6 Discussion 2	9/16
4	9/19	9/20 Lecture 7	9/21	9/22 Lecture 8 Discussion 3	9/23
5	9/26	9/27 Lecture 9	9/28	9/29 MIDTERM #1	9/30
6	10/3	10/4 Lecture 10	10/5	10/6 Lecture 11 Discussion 4	10/7
7	10/10 Mid-Semester Break	10/11 Mid-Semester Break	10/12	10/13 Lecture 12 Discussion 5	10/14
8	10/17	10/18 Lecture 13	10/19	10/20 Lecture 14 Discussion 6	10/21
9	10/24	10/25 Lecture 15	10/26	10/27 Lecture 16 Discussion 7	10/28
10	10/31	11/1 Lecture 17	11/2	11/3 MIDTERM #2	11/4
11	11/7	11/8 Lecture 18	11/9	11/10 Lecture 19 Discussion 8	11/11
12	11/14	11/15 Lecture 20	11/16	11/17 Lecture 21 Discussion 9	11/18
13	11/21	11/22 Lecture 22	11/23 Thanksgiving	11/24 Thanksgiving	11/25 Thanksgiving
14	11/28	11/29 Lecture 23	11/30	12/1 Lecture 24 Discussion 10	12/2
15	12/5	12/6 Lecture 25	12/7	12/8 MID-TERM 3 Discussion 11	12/9
16	12/12	12/13	12/14	12/15 7:00–9:00 PM FINAL EXAM	12/16