

Syllabus – Chem 223 Organic Chemistry A (Fall 2015)

Course Instructor

Instructor: Prof. Hee Yeon Cho
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Group Website: <http://www.chogroup.org>

Course Schedule

Lecture: M/W/F 2:45–3:35 PM in Flanner Hall 133 (Chem 223-004)
Discussion: Thursday 8:30–9:20 AM in Cuneo 116 (Chem 223-006)
Thursday 10:00–10:50 AM in Cudahy 313 (Chem 223-005)
Office Hours: Monday 3:40–4:40 PM
Friday 3:40–4:40 PM
To schedule an alternative appointment, please email me.

Email

You must use your Loyola email address for all communication during this course. Emails from outside sources are often blocked automatically.

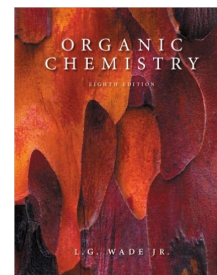
Course Materials and Website

Textbook: Organic Chemistry (8th Edition, by L. G. Wade Jr.)
(Required) ISBN-10: 0321768418 (*****see the cover picture on the right**)

Solutions Manuals: Solutions Manual for Organic Chemistry (by Jan W. Simek)
(Recommended) ISBN-10: 0321773896

Molecular Model Kit: HGS Molecular Model or Preferred Kit
(Recommended)

Course Website: sakai.luc.edu



Grading

1) 10 highest Quizzes (15 points each)	150	15%
2) 2 highest Midterm Exams (250 points each)	500	50%
3) 1 Final Exam (350 points)	350	35%
Total	1000	100%

1) Quizzes

There are **eleven** quizzes given in the Discussion Section on the dates listed below. Each quiz will be worth 15 points. The lowest quiz score will be dropped. There are NO MAKEUP quizzes.

Quiz Dates: 8/27, 9/3, 9/10, 9/17, 10/1, 10/8, 10/15, 10/29, 11/5, 11/12, 12/3

2) Midterm Exams

There are **three** midterm exams on the dates listed below. The midterm exams cover lecture topics and will be held during the Lecture. The lowest midterm grade will be dropped. There are NO MAKEUP midterm exams.

Midterm Exam Dates: September 23, October 23, November 20

3) Final Exam

The final exam will take place on **Friday, December 11 at 4:15-6:15 PM in Flanner Hall 133**. *The final exam is cumulative*. All topics discussed during lecture over the semester are on the final. There are NO MAKEUP final exams.

Final Grades

A guideline for grades is shown below. At minimum, you will receive the grade indicated, however, if the class average is below ~70%, there will be a curved grading system.

A = 94–100%
A– = 89–93%
B+ = 86–88%
B = 81–85%
B– = 78–80%

C+ = 75–77%
C = 66–74%
C– = 63–65%
D = 51–62%
F = 0–50%

Lecture, Discussion Section, and Quizzes

The class lectures will be the *most critical source* of information for this course. Because of this fact, please attempt to hold questions to a minimum during the lectures. If you miss a lecture, please find notes from another student in class.

The discussion section will develop your problem solving skills through working problems and taking quizzes. This time will also be dedicated to answering questions and clarifying any topic covered in lecture. Quizzes will be distributed at the beginning of the section.

Class Etiquette

Come to class on time.
No talking.
No electronic devices.

Students with multiple violations of classroom etiquette will be subject to point deductions throughout the semester.

Course Topics

Chapter 1: Introduction and Review
Chapter 2: Structure and Properties of Organic Molecules
Chapter 3: Structure and Stereochemistry of Alkanes
Chapter 4: The Study of Chemical Reactions
Chapter 5: Stereochemistry
Chapter 6: Alkyl Halides: Nucleophilic Substitution and Elimination
Chapter 7: Structure and Synthesis of Alkenes
Chapter 8: Reactions of Alkenes
Chapter 9: Alkynes
Chapter 10: Structure and Synthesis of Alcohols
Chapter 12A: Infrared (IR) Spectroscopy
Chapter 13: Nuclear Magnetic Resonance (NMR) Spectroscopy
Chapter 11: Reactions of Alcohols
Chapter 12B: Mass Spectrometry

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/

Academic Integrity

All students in this course are expected to have read and to abide by the demanding standard of personal honesty, drafted by the College of Arts & Sciences, that can be viewed at: <http://www.luc.edu/cas/advising/academicintegritystatement/>

Anything you submit that is incorporated as part of your grade in this course (quiz, exam, etc.) must represent your own work. Any students caught cheating will, at the very minimum, receive a grade of “zero” for the item that was submitted, and this grade cannot be dropped. If the cheating occurred during a course exam, the incident will be reported to the Chemistry Department Chair and the Office of the CAS Dean. Depending on the seriousness of the incident, additional sanctions may be imposed.

Dropping and Withdrawal

Be aware of the following dates in the semester:

August 31: Last day to withdraw without a “W” grade

September 6: Last day to withdraw with a 100% Bursar credit

September 20: Last day to withdraw with a 50% Bursar credit

September 27: Last day to withdraw with a 20% Bursar credit

October 30: Last day to withdraw with a “W” grade, thereafter a “WF” will be assigned

Disabilities

Students with a university-documented disability should contact me immediately. If your disability requires that quizzes and exams be taken outside of the scheduled time or place, please consult: www.luc.edu/sswd/. Services for Students with Disabilities (SSWD) serves students with disabilities by creating and fostering an accessible learning environment.

Course/Instructor Evaluation – IDEA

Loyola has the IDEA program for instructor and course evaluations. At the end of the semester, you will complete an online evaluation of this course based on criteria set by IDEA and by the instructor. For this course, the main objectives are as follows:

- 1) Gaining factual knowledge (terminology, classifications, methods, trends)
- 2) Learning fundamental principles, generalizations, or theories
- 3) Gaining a broader understanding and appreciation of intellectual/cultural activity

Keep these objectives in mind throughout the course.

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.***

FALL 2015, Chem 223 Calendar (Prof. Hee Yeon Cho)

* The lowest midterm grade (among three) will be dropped. No make-up midterms will be given.

* The lowest quiz grade (among eleven) will be dropped. No make-up quizzes 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	8/24 Lecture 1	8/25	8/26 Lecture 2	8/27 Discussion 1 QUIZ 1	8/28 Lecture 3
2	8/31 Lecture 4 <small>Last day to drop without a "W"</small>	9/1	9/2 Lecture 5	9/3 Discussion 2 QUIZ 2	9/4 Lecture 6
3	9/7 Labor Day	9/8	9/9 Lecture 7	9/10 Discussion 3 QUIZ 3	9/11 Lecture 8
4	9/14 Lecture 9	9/15	9/16 Lecture 10	9/17 Discussion 4 QUIZ 4	9/18 Lecture 11
5	9/21 Lecture 12	9/22	9/23 MIDTERM 1	9/24 Discussion 5	9/25 Lecture 13
6	9/28 Lecture 14	9/29	9/30 Lecture 15	10/1 Discussion 6 QUIZ 5	10/2 Lecture 16
7	10/5 Fall Break	10/6 Fall Break	10/7 Lecture 17	10/8 Discussion 7 QUIZ 6	10/9 Lecture 18
8	10/12 Lecture 19	10/13	10/14 Lecture 20	10/15 Discussion 8 QUIZ 7	10/16 Lecture 21
9	10/19 Lecture 22	10/20	10/21 Lecture 23	10/22 Discussion 9	10/23 MIDTERM 2
10	10/26 Lecture 24	10/27	10/28 Lecture 25	10/29 Discussion 10 QUIZ 8	10/30 Lecture 26 <small>Last day to withdraw without WF</small>
11	11/2 Lecture 27	11/3	11/4 Lecture 28	11/5 Discussion 11 QUIZ 9	11/6 Lecture 29
12	11/9 Lecture 30	11/10	11/11 Lecture 31	11/12 Discussion 12 QUIZ 10	11/13 Lecture 32
13	11/16 Lecture 33	11/17	11/18 Lecture 34	11/19 Discussion 13	11/20 MIDTERM 3
14	11/23 Lecture 35	11/24	11/25 Thanksgiving	11/26 Thanksgiving	11/27 Thanksgiving
15	11/30 Lecture 36	12/1	12/2 Lecture 37	12/3 Discussion 14 QUIZ 11	12/4 Lecture 38 Last Day of Classes!
16	12/7 Final Exams Start	12/8	12/9	12/10	12/11 4:15–6:15 PM FINAL EXAM