

**Syllabus**  
Chem 223-005 Organic Chemistry A (Fall 2016)

**COURSE INFORMATION****Course Instructor**

Instructor: Prof. Hee Yeon Cho  
Office: Flanner Hall 209  
Email: hcho6@luc.edu  
Group Website: <http://www.chogroup.org>

**Course Schedule**

Lecture: M/W/F 8:15–9:05 AM in Cuneo Hall 210 (Chem 223-005)  
Discussion: Friday 9:20–10:10 AM in Flanner Hall 105 (Chem 223-006)  
Friday 11:30–12:20 PM in Flanner Hall 007 (Chem 223-007)  
Office Hours: Monday 9:10–10:10 AM  
Wednesday 9:10–10:10 AM  
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.

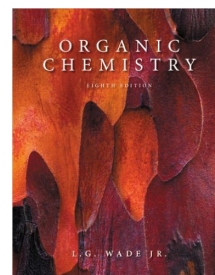
**Course Materials and Website**

Textbook: Organic Chemistry (8<sup>th</sup> 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](http://sakai.luc.edu)

**GRADING POLICY****Course Grade**

(1)	5	Highest Quiz Grades (20 points each, 100 points)	100	10%
(2)	2	Highest Midterm Exams (250 points each, 500 points)	500	50%
(3)	1	Final Exam (350 points)	350	35%
(4)		Attitude (50 points)	50	5%
		Total	1000	100%

**(1) Quizzes (100 points, 10%)**

There will be **seven unannounced** quizzes given in **Class** or in **Discussion Section** throughout the semester. Each quiz will be worth 20 points. The two lowest quiz scores will be dropped. There are **NO MAKEUP quizzes. NO EXCEPTIONS.**

**(2) Midterm Exams (500 points, 50%)**

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. NO EXCEPTIONS.**

**Midterm Exam Dates:** September 30, October 28, December 2

**(3) Final Exam (350 points, 35%)**

The final exam will take place on **Thursday, December 15 at 9:00–11:00 AM in Cuneo Hall 210**. *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 final examinations scheduled for December 15, you should e-mail a petition to Mr. Lester Manzano, Assistant Dean for Student Academic Affairs, CAS Dean's Office (lmanzan@luc.edu).

**(4) Attitude (50 points, 5%)****Class Etiquette**

- Attend every class and discussion section.
- Come to class and discussion section on time.
- No talking & no electronic devices, but you can use your laptop or tablet for note taking.
- Do not ask me about things that are already mentioned in class or syllabus (e.g. grading policy, make-up exams or quizzes, course policy, etc.).

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

**Final Grades**

A guideline for grades is shown below. At minimum, you will receive the grade indicated, however, if the class average is below 75%, there will be a curved grading system.

A =	94–100%	C+ =	75–77%
A– =	89–93%	C =	66–74%
B+ =	86–88%	C– =	63–65%
B =	81–85%	D =	51–62%
B– =	78–80%	F =	0–50%

**Lecture, Discussion Section, and Quizzes**

The class lectures will be the *most critical source* of information for this course. 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. This time will also be dedicated to answering questions and clarifying any topic covered in lecture.

Seven quizzes will be given in class or in discussion section throughout the semester, and the quiz dates will not be announced. Therefore, it is required for you to attend every class and every discussion section. Because the two lowest quiz scores will be dropped, there will be no make-up quizzes. No exceptions will be made.

**COURSE POLICY****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:

September 6:	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, thereafter a "WF" will be assigned

### Dropping CHEM 223 (Lecture) & Staying In CHEM 225 (Lab)

Students wanting to drop lecture (CHEM 223) after midterm may stay in the lab (CHEM 225) **only if** the midterm grade of CHEM 223, posted in LOCUS, is a **D or better**. Students should continue to attend lecture until November 4 to gain as much background knowledge as possible. For Fall 2016 students wishing to drop CHEM 223, and have a mid-term grade of D or better, can seek assistance from the Department of Chemistry and Biochemistry office (Flanner Hall 125) beginning Monday 10/31 at 9:00 am through Friday 11/4 at 4:00 pm. Students with a midterm grade of F for CHEM 223 must drop CHEM 225 along with CHEM 223. No exceptions.

### 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/](http://www.luc.edu/sswd/). Services for Students With Disabilities (SSWD) serves students with disabilities by creating and fostering an accessible learning environment.

### 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/](http://www.luc.edu/tutoring/)

### Course/Instructor Evaluation – IDEA

Loyola has the IDEA (Individual Development and Educational Assessment) 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.***

### COURSE SCHEDULE

#### 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 12:	Infrared (IR) Spectroscopy and Mass Spectrometry
Chapter 13:	Nuclear Magnetic Resonance (NMR) Spectroscopy
Chapter 11:	Reactions of Alcohols

**FALL 2016, CHEM 223 CALENDAR**

\* The two lowest quiz grades (among seven) will be dropped. **No make-up quizzes** will be given. No Exceptions.

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

\* 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 <b>Lecture 1</b>	8/30	8/31 <b>Lecture 2</b>	9/1	9/2 <b>Lecture 3</b> <b>Discussion 1</b>
2	9/5 <b>Labor Day</b>	9/6 <b>Last day to drop without "W"</b>	9/7 <b>Lecture 4</b>	9/8	9/9 <b>Lecture 5</b> <b>Discussion 2</b>
3	9/12 <b>Lecture 6</b>	9/13	9/14 <b>Lecture 7</b>	9/15	9/16 <b>Lecture 8</b> <b>Discussion 3</b>
4	9/19 <b>Lecture 9</b>	9/20	9/21 <b>Lecture 10</b>	9/22	9/23 <b>Lecture 11</b> <b>Discussion 4</b>
5	9/26 <b>Lecture 12</b>	9/27	9/28 <b>Lecture 13</b>	9/29	9/30 <b>MIDTERM 1</b> <b>No Discussion</b>
6	10/3 <b>Lecture 14</b>	10/4	10/5 <b>Lecture 15</b>	10/6	10/7 <b>Lecture 16</b> <b>Discussion 5</b>
7	10/10 <b>Fall Break</b>	10/11 <b>Fall Break</b>	10/12 <b>Lecture 17</b>	10/13	10/14 <b>Lecture 18</b> <b>Discussion 6</b>
8	10/17 <b>Lecture 19</b>	10/18	10/19 <b>Lecture 20</b>	10/20	10/21 <b>Lecture 21</b> <b>Discussion 7</b>
9	10/24 <b>Lecture 22</b>	10/25	10/26 <b>Lecture 23</b>	10/27	10/28 <b>MIDTERM 2</b> <b>No Discussion</b>
10	10/31 <b>Lecture 24</b>	11/1	11/2 <b>Lecture 25</b>	11/3	11/4 <b>Lecture 26</b> <b>Discussion 8</b> <b>Last day to drop without "WF"</b>
11	11/7 <b>Lecture 27</b>	11/8	11/9 <b>Lecture 28</b>	11/10	11/11 <b>Lecture 29</b> <b>Discussion 9</b>
12	11/14 <b>Lecture 30</b>	11/15	11/16 <b>Lecture 31</b>	11/17	11/18 <b>Lecture 32</b> <b>Discussion 10</b>
13	11/21 <b>Lecture 33</b>	11/22	11/23 <b>Thanksgiving</b>	11/24 <b>Thanksgiving</b>	11/25 <b>Thanksgiving</b>
14	11/28 <b>Lecture 34</b>	11/29	11/30 <b>Lecture 35</b>	12/1	12/2 <b>MIDTERM 3</b> <b>No Discussion</b>
15	12/5 <b>Lecture 36</b>	12/6	12/7 <b>Lecture 37</b>	12/8	12/9 <b>Lecture 38</b> <b>Discussion 11</b> <b>Last Day of Classes!</b>
16	12/12 <b>Final Exams Start</b>	12/13	12/14	12/15 <b>9:00-11:00 AM FINAL EXAM</b>	12/16