Syllabus

CHEM 222-001 Organic Chemistry II (Spring 2018)

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

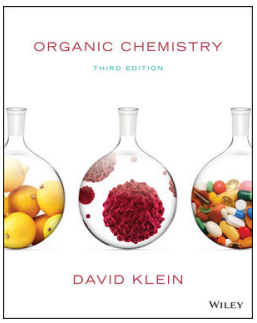
Lecture:	M/W/F 2:45−3:35 PM in Cuneo Hall 109 (CHEM 222-001)
Discussion:	Tuesday 11:30−12:20 PM in Flanner Hall 007 (CHEM 222-002) Tuesday 1:00−1:50 PM in Flanner Hall 007 (CHEM 222-003)
Office Hours:	M/W 3:40−4:40 PM in Flanner Hall 209 To schedule an alternative appointment, please email me.

Email

You must use your Loyola email address for all communication. Emails from other sources are often blocked.

Course Materials and Website

Textbook: (*Required*)	Organic Chemistry (3rd Edition, by David Klein), Wiley ISBN-13: 978-1119110477 (****see the cover picture on the right*)
Solutions Manuals: (*Recommended*)	Organic Chemistry Student Study Guide and Solutions Manual (by David Klein), Wiley ISBN-13: 978-1119378693
Molecular Model Kit: (*Recommended*)	HGS Molecular Model or Preferred Kit
Course Website:	sakai.luc.edu



GRADING POLICY

Course Grade

(1)	2	Highest Quiz Grades (30 points each, 60 points)	60	6%
(2)	2	Highest Midterm Exams (200 points each, 400 points)	400	40%
(3)	1	Final Exam (300 points)	300	30%
(4)		Attitude (40 points)	40	4%
(5)		Lab Grade: CHEM 222-004 & 005 (200 points)	200	20%
		Total	1000	100%

(1) Quizzes (60 points, 6%)

There will be **three (3) unannounced** quizzes given in **Class** or in **Discussion Section** throughout the semester. Each quiz will be worth 30 points. The lowest quiz score will be dropped. There are **NO MAKEUP quizzes**. **NO EXCEPTIONS**.

(2) Midterm Exams (400 points, 40%)

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: February 14, March 21, April 20

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

The final exam will take place on **Friday, May 4, 2018 at 4:15−6:15 PM in Cuneo Hall 109**. *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 May 4, 2018, 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 (40 points, 4%)

Class Etiquette

- Attend every class and discussion section, and 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 matters 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, and you will receive the grade indicated below. However, if the class average is below 75% at the end of the semester (*i.e*. the class average of total point is below 750), there will be a modified grading system. Each exam or quiz will not be curved.

A	=	94–100%	C	=	70–74.5%
A–	=	89–93.5%	C–	=	65–69.5%
B+	=	86–88.5%	D+	=	58–64.5%
B	=	81–85.5%	D	=	50–57.5%
B–	=	78–80.5%	D–	=	46–49.5%
C+	=	75–77.5%	F	=	0–45.5%

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.

Three (3) 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 lowest quiz score 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 as a 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:

January 22:	Last day to withdraw without a "W" grade.
January 29:	Last day to withdraw with a 100% Bursar credit.
February 12:	Last day to withdraw with a 50% Bursar credit.
February 19:	Last day to withdraw with a 20% Bursar credit.
March 26:	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.

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/

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 a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)
2) Learning to apply course material (to improve thinking, problem solving, and decisions)
3) Gaining a broader understanding and appreciation of intellectual/cultural activity (music, science, literature, etc.)

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 DESCRIPTION

This lecture course (CHEM 222) is provided for chemistry/biochemistry majors continuing from CHEM 221 covering nomenclature, properties, reactions, and syntheses of various classes of aliphatic and aromatic 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 16:	Conjugated Pi Systems and Pericyclic Reactions
Chapter 17:	Aromatic Compounds
Chapter 18:	Aromatic Substitution Reactions
Chapter 19:	Aldehydes and Ketones
Chapter 20:	Carboxylic Acids and Their Derivatives
Chapter 21:	Alpha Carbon Chemistry: Enols and Enolates
Chapter 22:	Amines
Chapter 23:	Introduction to Organometallic Compounds
Chapter 24:	Carbohydrates
Chapter 25:	Amino Acids, Peptides, and Proteins
Chapter 26:	Lipids
Chapter 27:	Synthetic Polymers

SPRING 2018, CHEM 222 CALENDAR

* The lowest quiz grade (among three) 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		1/16 **No Discussion**	1/17 **Lecture 1**	1/18	1/19 **Lecture 2**
2	1/22 **Lecture 3** Last day to drop without a "W"	1/23 **Discussion 1**	1/24 **Lecture 4**	1/25	1/26 **Lecture 5**
3	1/29 **Lecture 6**	1/30 **Discussion 2**	1/31 **Lecture 7**	2/1	2/2 **Lecture 8**
4	2/5 **Lecture 9**	2/6 **Discussion 3**	2/7 **Lecture 10**	2/8	2/9 **Lecture 11**
5	2/12 **Lecture 12**	2/13 **Discussion 4**	2/14 **MIDTERM #1**	2/15	2/16 **Lecture 13**
6	2/19 **Lecture 14**	2/20 **Discussion 5**	2/21 **Lecture 15**	2/22	2/23 **Lecture 16**
7	2/26 **Lecture 17**	2/27 **Discussion 6**	2/28 **Lecture 18**	3/1	3/2 **Lecture 19**
8	3/5 Spring Break	3/6 Spring Break	3/7 Spring Break	3/8 Spring Break	3/9 Spring Break
9	3/12 **Lecture 20**	3/13 **Discussion 7**	3/14 **Lecture 21**	3/15	3/16 **Lecture 22**
10	3/19 **Lecture 23**	3/20 **Discussion 8**	3/21 **MIDTERM #2**	3/22	3/23 **Lecture 24**
11	3/26 **Lecture 25** Last day to drop without "WF"	3/27 **Discussion 9**	3/28 **Lecture 26**	3/29	3/30 Easter Holiday
12	4/2 Easter Holiday	4/3 **No Discussion**	4/4 **Lecture 27**	4/5	4/6 **Lecture 28**
13	4/9 **Lecture 29**	4/10 **Discussion 10**	4/11 **Lecture 30**	4/12	4/13 **Lecture 31**
14	4/16 **Lecture 32**	4/17 **Discussion 11**	4/18 **Lecture 33**	4/19	4/20 **MIDTERM #3**
15	4/23 **Lecture 34**	4/24 **Discussion 12**	4/25 **Lecture 35**	4/26	4/27 **Lecture 36** Last Day of Classes!
16	4/30	5/1	5/2	5/3	5/4 **4:15−6:15 PM** **FINAL EXAM**