

# Chemistry 380

Spring 2020

Course: Chemistry 380  
Date: Thursday  
Time: 11:30 A-12:45 P  
Location: Flanner Hall 133  
Textbook: None  
Website: Sakai

Instructor: Prof. Graham Moran  
Flanner Hall 419  
E-mail: gmoran3@luc.edu  
TA: Adriana Lugosan  
Flanner Hall 101  
E-mail: alugosan@luc.edu

**Course Title:** Chemistry Seminar

**Course Philosophy:** Chemistry 380 is designed to provide an overview of modern chemistry and biochemistry via a sampling of speakers from outside institutions, or senior PhD students near their defense.

**Office Hours:** Th 10:30-11:30 AM (Lugosan);  
Tu 9:00 AM-11:00 AM (Moran)

**Grading Outline:** The emphasis of this course is participation. Your grade is primarily based on the number of *quality* post seminar discussions you contribute to; one point per contribution. Attending all seminars and asking the *speaker(s)* one or more questions allows your grade to rise above a B+. Only one speaker question point can be allocated per seminar.

# points	Grade	Note
15	A	Direct one question to the speaker
14	A-	Direct one question to the speaker
13	B+	Maximum grade without question directed to the speaker
12	B	
11	B-	
10	C	
9	D	
≤8	F	

An illness, accident, death in the family etc. that results in a missed seminar must be communicated within two calendar days to the instructor and TA by e-mail with supporting documentation (e.g., doctor's note, obituary) provided to the instructor. Under such circumstances and at the discretion of the instructor and TA, you may make-up a missed seminar by submitting a report (see below).

**Grading Details (Discussions):**

It is important that you understand the major portions of the talk, but often they may be in areas you are unfamiliar with. The best way to improve your understanding is to discuss amongst your peers and the TA/Instructor. Immediately after the seminar, we will congregate near the north rear exit of the seminar room and discuss the talk for the remaining 15 minutes of class. You are graded on whether you have contributed in a meaningful way to this discussion. Usually this is a good question about the seminar, or answering a classmates' question. The TA/instructor will generally ask you for input if you have not contributed near the end of the time. Missed discussions count as a zero unless a valid reason for absence is offered with substantiation (see above), in which case a one page report on the speaker's research must be submitted within a week of the seminar from which you were absent.

**Additional Grade Contributions (Seminar Etiquette):**

It is discourteous to arrive late for seminar. Students must sign in with the TA before the start of each seminar. If you fail to sign in, or arrive after the start of the class period, it will result in a 0.5 point deduction for that seminar. You are also expected to stay for the entire seminar; leaving at any stage prior to the end of the presentation will also result in a 0.5 point deduction for that seminar. The use of cell phones and computers during the seminar is not permitted and instead notes must be taken on paper, to better focus on the presentation. Students enrolled in the class must sit in the first 7 rows of the classroom closest to the podium. Breach of these points of etiquette will also incur in a 0.5 point deduction for that seminar.

**Additional Grade Contributions (Speaker Questions):**

Seminars are meant for a speaker to convey the science of their research to the audience. One of the most important part of a presentation are the questions from the audience and the questions reflect favorably on the clarity of the presentation and the engagement of the host audience. Do not be reticent to direct questions to the speaker. To encourage such engagement, in order to receive an A or A- for the course, you must ask at least one seminar speaker a well-thought out question during the Q/A portion of the presentation over the course of the semester. The maximum grade is a B+ if no questions are asked.

**Schedule**

<b>Date</b>	<b>Activity</b>	<b>Speaker</b>	<b>Affiliation</b>
16 Jan	Speaker/Interview	Andrey Rogachev	Illinois Institute of Technology
21 Jan	Speaker/Interview	Hedieh Torabifard	University of Michigan
23 Jan	Speaker/Interview	Karl Koebke	University of Michigan
28 Jan	Speaker/Interview	Penfei Li	Yale University
30 Jan	Speaker/Interview	James Hougland	Syracuse University
6 Feb	Faculty/Grad	Joseph Roman	Loyola University
11 Feb	Speaker/Interview	Joerg Zimmermann	Scripps CA
13 Feb	Speaker/Interview	Joseph Meisel	New York University
20 Feb	Speaker	Andrew Murkin	University at Buffalo
27 Feb	Speaker	TBA	
5 Mar	Spring Break		
12 Mar	Faculty/Grad	TBA	
19 Mar	Speaker	Fengtian Xue	University of Maryland
26 Mar	Speaker	Aimin Liu	University Texas San Antonio
2 Apr	Faculty/Grad	TBA	Loyola University
9 Apr	Easter Break		
16 Apr	Speaker	Sam Ballow	University Washington
23 Apr	Speaker	Donna Chen	University of South Carolina

**Shaded Grey – assessible**

**White – no seminar/optional**

### **Report Format (for permissible absences):**

Your report should be one single-spaced page and **must** contain the parts listed below. It must be your own words and may not quote from any sources.

A: Speaker's name and affiliation.

B: Explanation of the importance and originality of the research presented in the seminar. (a maximum of 6 meaningful sentences)

C: A summary of the findings within at least two journal articles written by the speaker. Your report should cite these papers where you refer to the information from the article. Bibliographic information does not count towards the page limit.

D: Evaluation of the quality of the research generated in speaker's lab. This evaluation should contain the following data:

- 1) Funding sources for the research (these are usually mentioned in their journal articles);
- 2) Number of articles published by the speaker in the past 5 years (i.e., 2013-2018), as found via web of science;
- 3) The speaker's Hirsch index (h-index), as found via web of science.

(For speakers with overly common names, the institution should be included in your search)

Reports are due one week after the date of the absence.

### **Course Repeat Rule**

Effective with the Fall 2017 semester, students are allowed only THREE attempts to pass Chemistry courses with a C- or better grade. The three attempts include withdrawals (W).

After the second attempt, the student must secure approval for a third attempt. Students must come to the Chemistry Department, fill out a permission to register form or print it from the Department of Chemistry & Biochemistry website: <http://www.luc.edu/chemistry/forms/> and personally meet and obtain a signature from either the Undergraduate Program Director, Assistant Chairperson, or Chairperson in Chemistry. A copy of this form is then taken to your Academic Advisor in Sullivan to secure final permission for the attempt.

### **Student Accommodations**

If you have any special needs, please let me know in the first week of classes. The university provides services for students with disabilities. Any student who would like to use any of these university services should contact the Student Accessibility Center (SAC), Sullivan Center, (773) 508-3700. Further information is available at <http://www.luc.edu/sac/>.

## 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, which can be viewed at:

<http://www.luc.edu/cas/advising/academicintegritystatement/>

A basic mission of a university is to search for and to communicate the truth as it is honestly perceived. A genuine learning community cannot exist unless this demanding standard is a fundamental tenet of the intellectual life of the community. Students of Loyola University Chicago are expected to know, to respect, and to practice this standard of personal honesty.

Academic dishonesty can take several forms, including, but not limited to cheating, plagiarism, copying another student's work, and submitting false documents.

Any instance of dishonesty (including those detailed on the website provided above or in this syllabus) will be reported to The Chair of The Department of Chemistry & Biochemistry who will decide what the next steps may be. **(please specify what the punishments will be for transgressions).**

## Loyola University Absence Policy for Students in Co-Curricular Activities (including ROTC):

Students missing classes while representing Loyola University Chicago in an official capacity (e.g. intercollegiate athletics, debate team, model government organization) shall be allowed by the faculty member of record to make up any assignments and to receive notes or other written information distributed in the missed classes.

Students should discuss with faculty the potential consequences of missing lectures and the ways in which they can be remedied. Students must provide their instructors with proper documentation (develop standard form on web) describing the reason for and date of the absence.

This documentation must be signed by an appropriate faculty or staff member, and it must be provided as far in advance of the absence as possible. It is the responsibility of the student to make up any assignments. If the student misses an examination, the instructor is required to give the student the opportunity to take the examination at another time.

(<https://www.luc.edu/athleteadvising/attendance.shtml>)

## Accommodations for Religious Reasons

If you have observances of religious holidays that will cause you to miss class or otherwise effect your performance in the class you must alert the instructor ***within 10 calendar days of the first class meeting of the semester*** to request special accommodations, which will be handled on a case by case basis.