

Chemistry 380

Spring 2024

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

Instructor: Prof. Graham Moran
Flanner Hall 419
E-mail: g Moran3@luc.edu
Teaching Assistant: Shalom Nadoff
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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: Shalom - Wed 11:30 AM-12:30 PM (Flanner Hall 102)
Dr. Moran - any time (please arrange in advance)

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
14	A	Direct two or more questions to speakers
13	A-	Direct one question to a speaker
12	B+	Maximum grade without question directed to the speaker
11	B	
10	B-	
9	C	
8	D	
≤7	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 discuss the talk for the remaining 15 minutes of class. You will be graded on whether you have contributed in a meaningful way to this discussion. Usually this is a 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. For the Spring 2024 series we have 12 speakers. Simply attending all lectures and participating in after-lecture discussions will earn you a grade of 12 and a B+. Any net score above 13 moves to an A- and net scores above 14 receive an A.

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, so arrive a few minutes early if you can. 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.

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 parts 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, to receive an A or A- for the course, you must ask at least one seminar speaker a well-crafted 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.

DATE	ACTIVITY	SPEAKER	AFFILIATION	HOST
18-Jan	Introduction			
25-Jan	Speaker	Graham Moran	Loyola University Chicago	Moran
1-Feb	Speaker	Progna Banerjee	Argonne National Labs	Ciszek
8-Feb	Grad Speaker	Jordan MacQueen	Loyola University Chicago	Nadoff
15-Feb	Speaker	Andrew Riley	University of Illinois Chicago	Moran
22-Feb	DenkeWalter Lecture	Danna Freedman	Massachusetts Institute of Technology	Killelea
29-Feb	Speaker	Leonard R. MacGillivray	University of Iowa	Ciszek
7-Mar	No seminar	Spring break		
14-Mar	Grad Speaker	Madelyn Smith	Loyola University Chicago	Nadoff
21-Mar	Speaker	Nick Silvaggi	University of Wisconsin Milwaukee	Moran
28-Mar	Speaker	Joerg Zimmermann	Loyola University Chicago	Moran
4-Apr	Speaker	Jean-Luc Ayitou	University of Illinois Chicago	Devery
11-Apr	Grad Speaker	Grant Steiner	Loyola University Chicago	Nadoff
18-Apr	Speaker	Erika Taylor	Weslayan University	Liu
25-Apr	Speaker	Gengnan Li	Argonne National Labs	Mahapatra

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., 2017-2022), 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.

Pass/Fail Conversion Deadlines and Audit Policy

A student may request to convert a course into or out of the "Pass/No-Pass" or "Audit" status only within the first two weeks of the semester. For the Spring 20223 semester, students are able to convert a class to "Pass/No-Pass" or "Audit" through Monday, January 31st. Students must submit a request for Pass/No-Pass or Audit to their Academic Advisor.

Health, Safety, and Well-Being On-Campus

Please be familiar with and adhere to all policies and protocols posted on the *Campus Info & Resources* site:

<https://www.luc.edu/healthsafetyandwellbeing/campusinforesources/>

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). The Department advises that it is preferable to complete a course with a grade of C or C-, and to demonstrate growth in future coursework, than to withdraw from a course.

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: <https://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

The Student Accessibility Center (SAC, formerly known as SSWD), Sullivan Center (773-508-3700), <http://www.luc.edu/sac>, has the mission “to support, service, and empower Loyola University Chicago students with disabilities” and to “Partner with faculty and staff to provide opportunities for collaboration, professional development, personal growth, and staff interaction, as they relate to students with disabilities.” Please direct all questions concerning accommodations of disabilities to the Student Accessibility Center. Academic accommodations afforded to students require documentation and review. The Student Accessibility Center will issue accommodation letters for registered students to present to their instructors: accommodations are not active until students present these letters to their instructors. If students’ accommodations involve attendance or deadlines, instructors and students will jointly complete and execute an Agreement Form articulating their terms. See <https://www.luc.edu/sac/faculty/facilitatingaccommodations/> for guidance about implementing various kinds of accommodations in a way that is appropriate to your class. The Student Accessibility Center stands ready to work with you.

LUC academic calendar: www.luc.edu/academics/schedules