

Chemistry 380

Spring 2022

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: Charles Mettler
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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: Th 10:30-11:30 AM (Charles - please arrange in advance)
Tu 9:00 AM-11:00 AM (Moran - 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
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 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 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 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. 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 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, 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.

DATE	ACTIVITY	SPEAKER	AFFILIATION	HOST
20-Jan	Faculty meeting			
27-Jan	Speaker	Jeffery Terry	Illinois Institute of Technology	Killelea
3-Feb	Speaker	Camille Bishop	Nat. Inst. of Stand. and Tech.	Killelea
10-Feb	Speaker	Margaret Elmer-Dixon	University of Minnesota, Duluth	Killelea
17-Feb	Speaker	Mausumi Mahaptra	Pacific Northwest National Laboratory	Killelea
24-Feb	Speaker	Frederick Stull	Western Michigan University	Moran
3-Mar	Speaker	Timothy Hagen	Northern Illinois University	Becker
10-Mar	No seminar	Spring break March 7-12		
17-Mar	Faculty meeting			
24-Mar	Speaker	Joshua Goings	University of Washington	Li
31-Mar	Speaker	TBA	TBA	Zimmermann
7-Apr	Speaker	Kamil Woronowicz	West Point	Gates
14-Apr	Speaker	Giovanni Gadda	Georgia State University	Moran
21-Apr	Faculty meeting			
28-Apr	Speaker	Donna Chen	University of South Carolina	Killelea

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.

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 2022 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