

Chem 182: 2nd Year Seminar: Presentation, 1.0 credit

Fall 2022 Lecture

F, 2:20 PM – 3:10 PM, Lafayette L302

Instructor

Prof. Matt Liptak

Innovation E336

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Office Hours

WF, 9:30 – 10:30 AM, Innovation E336

Prerequisites

Chem 181

General Education Requirements

This course does *not* satisfy any general education requirements

Chem 182 is a requirement for **Chemistry majors**.

Course Description

Chem 182 will aid the development of chemical information literacy skills through oral presentations on areas of current chemical interest.

Statement on Diversity and Inclusion

I strive to create a classroom environment that supports students from a diverse set of backgrounds. Our society is composed of individual from diverse ethnic, socioeconomic, and educational backgrounds. Half of our society are women. I strongly believe that our best path forward to a stronger and more equitable society is to promote inclusiveness.

It is my expectation that every member of this class will also support diversity and inclusion. As a community, we should strive to uphold the ideals of Our Common Ground:

<https://www.uvm.edu/president/our-common-ground>

I welcome any suggestions as to how I can promote a diverse and inclusive classroom.

Course Learning Objectives

Upon completion of Chem 182, it is anticipated that you will:

1. Evaluate and analyze the scientific literature.
2. Learn how to prepare an effective scientific presentation.
3. Gain experience with peer review.

Web Content

Lecture notes will be available through Blackboard (bb.uvm.edu). These materials are available for all current, UVM-affiliated, students, but they may not be shared off-campus without permission of the instructor.

Attendance Policy

Attendance of Chem 182 is mandatory. I will take attendance on presentation days, and this will be part of your final course grade.

Grading

Your grade will be based upon:

Oral Presentation on a Topic of Current Interest: 60%

-This is the primary assignment for the semester. You will prepare a 20 minute oral presentation based upon your topic from Chem 181. Following your presentation, there will be 5 minutes for questions from the audience.

-You will be assigned to a peer support committee to aid the development of your presentation.

-The grade for your oral presentation will depend upon several components:

Slide quality: 20%

Presentation quality: 20%

Timing: 10%

Content scope: 20%

Content depth: 20%

Response to questions: 10%

Peer Review of 3 presentations (assigned by me): 30%

-I will assign you three presentations to review throughout the semester. These will *not* be presentations from your peer support committee. Your review should address the grading criteria noted above, plus any additional helpful comments you have, in a prose format.

-Your review should be one page long with a separate cover page that includes your name and the presenters name. This format is essential to ensure anonymity.

Attendance and Participation: 10%

-In order to receive full attendance and participation points, you must meet the following expectations:

1. Attend all 12 student presentation days, I will take attendance: 6%

2. Ask at least one question over the course of the semester: 1%

3. Participate in your peer support committee outside of class: 3%

Course Evaluations

All students are expected to complete online course evaluations. The evaluations will be anonymous and confidential. The information gained from these evaluations will be used to iteratively improve Chem 182 for future UVM students.

The instructor reserves the right to change everything, with notice

Office Hours

This is your time to ask me any questions you have on course material, or additional scientific writing questions that go beyond the course material. For the most part this is an opportunity to discuss your presentation one on one with me, but I'm also happy to meet with small groups. I will make a concerted effort to divide up this time equitably between all students in the class, so your time may be a bit shorter on days when a large number of students visit office hours.

There is no need to make an appointment for office hours. I will be available in my office for the entirety of the time blocks noted above regardless of attendance.

E-mail

I will respond to all e-mails within one working day.

General statement regarding potential changes during the semester:

<http://catalogue.uvm.edu/>

The University of Vermont reserves the right to make changes in the course offerings, mode of delivery, degree requirements, charges, regulations, and procedures contained herein as educational, financial, and health, safety, and welfare considerations require, or as necessary to be compliant with governmental, accreditation, or public health directives.

Green and Gold Promise:

The [Green and Gold Promise](#) clearly articulates the expectations that UVM has for students, faculty, and staff to remain compliant with all COVID-19 recommendations from the federal CDC, the State of Vermont, and the City of Burlington.

The [Code of Student Conduct](#) outlines policies related to violations of the Green and Gold Promise. Sanctions for violations include fines, educational sanctions, parent notification, probation, and suspension.

Intellectual Property Statement/Prohibition on Sharing Academic Materials:

Students are prohibited from publicly sharing or selling academic materials that they did not author (for example: class syllabus, outlines or class presentations authored by the professor, practice questions, text from the textbook or other copyrighted class materials, etc.); and students are prohibited from sharing assessments (for example homework or a take-home examination). Violations will be handled under UVM's Intellectual Property policy and Code of Academic Integrity.

University-wide Policies and Procedures**Student Learning Accommodations**

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact SAS, the office of Disability Services on campus. SAS works with students and faculty in an interactive process to explore reasonable and appropriate accommodations, which are communicated to faculty in an accommodation letter. All students are strongly encouraged to meet with their faculty to discuss the accommodations they plan to

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use in each course. A student's accommodation letter lists those accommodations that will not be implemented until the student meets with their faculty to create a plan.

Contact SAS:

A170 Living/Learning Center;

802-656-7753;

access@uvm.edu

www.uvm.edu/access

Religious Holidays

Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time. <https://www.uvm.edu/registrar/religious-holidays>

Academic Integrity

The policy addresses plagiarism, fabrication, collusion, and cheating.

<https://www.uvm.edu/policies/student/acadintegrity.pdf>

Grade Appeals

If you would like to contest a grade, please follow the procedures outlined in this policy:

<https://www.uvm.edu/policies/student/gradeappeals.pdf>

Grading

For information on grading and GPA calculation, go to <https://www.uvm.edu/registrar/grades>

Code of Student Conduct

<http://www.uvm.edu/policies/student/studentcode.pdf>

FERPA Rights Disclosure

The purpose of this policy is to communicate the rights of students regarding access to, and privacy of their student educational records as provided for in the Family Educational Rights and Privacy Act (FERPA) of 1974.

<http://catalogue.uvm.edu/undergraduate/academicinfo/ferparightsdisclosure/>

Promoting Health & Safety

The University of Vermont's number one priority is to support a healthy and safe community:

Center for Health and Wellbeing

<https://www.uvm.edu/health>

Counseling & Psychiatry Services (CAPS)

Phone: (802) 656-3340

C.A.R.E.

If you are concerned about a UVM community member or are concerned about a specific event, we encourage you to contact the Dean of Students Office (802-656-3380). If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at <https://www.uvm.edu/studentaffairs>

Final Exam Policy

The University final exam policy outlines expectations during final exams and explains timing and process of examination period. <https://www.uvm.edu/registrar/final-exams>

Statement on Alcohol and Cannabis in the Academic Environment

As a faculty member, I want you to get the most you can out of this course. You play a crucial role in your education and in your readiness to learn and fully engage with the course material. It is important to note that alcohol and cannabis have no place in an academic environment. They can seriously impair your ability to learn and retain information not only in the moment you may be using, but up to 48 hours or more afterwards. In addition, alcohol and cannabis can:

Cause issues with attention, memory and concentration

Negatively impact the quality of how information is processed and ultimately stored

Affect sleep patterns, which interferes with long-term memory formation

Course Schedule

Jan. 20: Scientific Presentations Lecture

Jan. 27: No Class

Feb. 3: Peer Review Lecture

Feb. 10: Student Presentation Day #1

Feb. 17: Student Presentation Day #2, Peer Reviews due for Day #1 Presentations

Feb. 24: Student Presentation Day #3, Peer Reviews due for Day #2 Presentations

Mar. 3: Student Presentation Day #4, Peer Reviews due for Day #3 Presentations

Mar. 10: Student Presentation Day #5, Peer Reviews due for Day #4 Presentations

Mar. 17: No Class

Mar. 24: Student Presentation Day #6, Peer Reviews due for Day #5 Presentations

Mar. 31: Student Presentation Day #7, Peer Reviews due for Day #6 Presentations

Apr. 7: Student Presentation Day #8, Peer Reviews due for Day #7 Presentations

Apr. 14: Student Presentation Day #9, Peer Reviews due for Day #8 Presentations

Apr. 21: Student Presentation Day #10, Peer Reviews due for Day #9 Presentations

Apr. 28: Student Presentation Day #11, Peer Reviews due for Day #10 Presentations

May 5: Student Presentation Day #12, Peer Reviews due for Day #11 Presentations

May 12: Peer Reviews due for Day #12 Presentations