



CHEMISTRY DEPARTMENT

CHE 4095 – Senior Seminar

1 unit - Spring 2025

Welcome to Senior Seminar

Senior Seminar is a capstone to your college experience. During our one hour meeting we will discuss many different topics ranging from vocation and presentation skills, to science and ethics. I'm glad you are here and I look forward to preparing you for an exciting future.

INSTRUCTOR Dr. Matthieu Rouffet
Office : Rohr Science 340
Phone: 619-849-3278
Email: matthieurouffet@pointloma.edu

OFFICE HOURS WF: 10.30 am- 12 pm

MEETING TIME Tuesday 5.15 pm –6.15 pm Latter 101

PLNU MISSION

To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life

COURSE DESCRIPTION

Presentation of papers by students and visiting scholars, and attendance at off-campus seminars.

COURSE GOALS and LEARNING OUTCOMES

This class is a capstone course for chemistry and biology-chemistry major. At the end of this course, students will:

- Be able to communicate effectively and orally and in writing
- Be prepared to gain entry to post graduate studies or a science-related career

PROGRAM LEARNING OUTCOME

- CHEM PLO 1 and BCHM PLO 2 will be assessed directly using the ETS Major Field Test in Chemistry.
- CHEM PLO 1 – 4, BCHM PLO 1 – 6, ENVS PLO 1 – 6 will be assessed indirectly using a senior exit survey.

CORE COMPETENCIES

Information literacy and oral communication will be assessed directly using an oral presentation.

ETS EXAM

The two-hour ETS chemistry and biology exams will be given during this course. These exams cover a wide range of topics from your four years of course work. The day of the exam will be determined as soon as possible. If you do not take an exam, this is grounds for failing the class.

FINAL EXAMINATION POLICY

Successful completion of this class requires taking the final examination on its scheduled day. The final examination schedule is posted on the [Traditional Undergraduate Records: Final Exam Schedules](#) site. If you find yourself scheduled for three (3) or more final examinations on the same day, you are authorized to contact each professor to arrange a different time for one of those exams. However, unless you have three (3) or more exams on the same day, no requests for alternative final examinations will be granted. For this course, the final exam will be an oral presentation.

ADMINISTRATION

Grading: One (1) Oral presentation, one (1) resume/cover letter assignment will be given during the semester. Make-up assignments will be arranged only if the instructor is contacted prior to the scheduled time and then only if you present an institutionally valid excuse.

EVALUATION

The activities described above will contribute to your total course grade according to the following:

- Oral presentation/project 30%
- Participation..... 50%
- Resume/cover letter..... 20%

Letter grades will be assigned at the end of the course based on your percentage of total possible points, according to the following scale:

A⁻ 90 – 92.9 %	A 93 – 100 %	
B⁻ 80 – 82.9 %	B 83 – 86.9 %	B⁺ 87 – 89.9 %
C⁻ 70 – 72.9 %	C 73 – 76.9 %	C⁺ 77 – 79.9 %
D⁻ 60 – 62.9 %	D 63 – 66.9 %	D⁺ 67 – 69.9 %
F < 59.9 %		

SEMINAR TENTATIVE CLASS SCHEDULE

WEEK	DATES	TOPICS	GUESTS
1	Tuesday 01/14	Introduction/Class overview	Dr. Rouffet
2	Tuesday 01/21	Emotional Intelligence vs IQ; How to be efficient in a working environment	Dr. Rouffet
3	Tuesday 01/28	Balancing a budget/ taxes/ life insurance/retirement funds/investment	Dr. Rouffet
4	Tuesday 02/04	Presentation skills How to create a great presentation	Dr. Rouffet
5	Tuesday 02/11	Faith, Church and Science (Navigating adult life)	Dr. Rouffet
6	Tuesday 02/18	Vocation/Calling (Reading: "Called")	Dr. Rouffet
7	Tuesday 02/25	Resumes and LinkedIn (buzz words, AI, networking)	Career services
8	Tuesday 03/04	Marriage/Friendship/Relationships and work-life balance	Dr. Rouffet
9	Tuesday 03/11	Spring Break	//////////////////// ////////////////////
10	Tuesday 03/18	Knowing oneself and the Enneagram	Dr. Rouffet
11	Tuesday 03/26	ACS meeting San Diego	//////////////////// ////////////////////
12	Tuesday 04/01	Careers in STEM, women in STEM and what to do when job does not work out	Dr. Rouffet
13	Tuesday 04/08	ETS exam chemistry	//////////////////// ////////////////////
14	Tuesday 04/15	Presentation Week 1	Dr. Rouffet
15	Tuesday 04/22	Presentation week 2	Dr. Rouffet
16	Tuesday 04/29	Presentation week 3	Dr. Rouffet

PLNU COPYRIGHT POLICY

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

PLNU ACADEMIC HONESTY POLICY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort.

A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See [Academic Policies](#) for definitions of kinds of academic dishonesty and for further policy information.

SPIRITUAL CARE

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith.

If you have questions, a desire to meet with the chaplain or have prayer requests you can contact your professor or the Office of Spiritual Life and Formation.

STATE AUTHORIZATION POLICY

State authorization is a formal determination by a state that Point Loma Nazarene University is approved to conduct activities regulated by that state. In certain states outside California, Point Loma Nazarene University is not authorized to enroll online (distance education) students. If a student moves to another state after admission to the program and/or enrollment in an online course, continuation within the program and/or course will depend on whether Point Loma Nazarene University is authorized to offer distance education courses in that state. It is the student's responsibility to notify the institution of any change in his or her physical location. Refer to the map on State Authorization to view which states allow online (distance education) outside of California.

Catalog. See Academic Policies for definitions of kinds of academic dishonesty and for further policy information.

PLNU RECORDING NOTIFICATION

In order to enhance the learning experience, please be advised that this course may be recorded by the professor for educational purposes, and access to these recordings will be limited to enrolled students and authorized personnel.

Note that all recordings are subject to copyright protection. Any unauthorized distribution or publication of these recordings without written approval from the University (refer to the Dean) is strictly prohibited.

ARTIFICIAL INTELLIGENCE POLICY

You are allowed to use Artificial Intelligence (AI) tools (e.g, ChatGPT, iA Writer, Marmot, Botowski) to generate ideas, but you are not allowed to use AI tools to generate content (text, video, audio, images) that will end up in any work submitted to be graded for this course. If you have any doubts about using AI, please gain permission from the instructor.

PLNU ACADEMIC ACCOMMODATION POLICY

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities. Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center (EAC@pointloma.edu or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC

will issue an academic accommodation plan (“AP”) to all faculty who teach courses in which the student is enrolled each semester.

PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course and/or if they do not wish to utilize some or all of the elements of their AP in that course.

Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to assure appropriate accommodations can be provided. It is the student’s responsibility to make the first contact with the EAC.

LANGUAGE AND BELONGING

Point Loma Nazarene University faculty are committed to helping create a safe and hospitable learning environment for all students. As Christian scholars we are keenly aware of the power of language and believe in treating others with dignity. As such, it is important that our language be equitable, inclusive, and prejudice free. Inclusive/Bias-free language is the standard outlined by all major academic style guides, including MLA, APA, and Chicago, and it is the expected norm in university-level work. Good writing and speaking do not use unsubstantiated or irrelevant generalizations about personal qualities such as age, disability, economic class, ethnicity, marital status, parentage, political or religious beliefs, race, gender, sex, or sexual orientation. Inclusive language also avoids using stereotypes or terminology that demeans persons or groups based on age, disability, class, ethnicity, gender, race, language, or national origin. Respectful use of language is particularly important when referring to those outside of the religious and lifestyle commitments of those in the PLNU community. By working toward precision and clarity of language, we mark ourselves as serious and respectful scholars, and we model the Christ-like quality of hospitality.

You may report an incident(s) using the Bias Incident Reporting Form.

SEXUAL MISCONDUCT AND DISCRIMINATION

In support of a safe learning environment, if you (or someone you know) have experienced any form of sexual discrimination or misconduct, including sexual assault, dating or domestic violence, or stalking, know that accommodations and resources are available through the Title IX Office at pointloma.edu/Title-IX. Please be aware that under Title IX of the Education Amendments of 1972, faculty and staff are required to disclose information about such misconduct to the Title IX Office.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact Counseling Services at counselingservices@pointloma.edu or find a list of campus pastors at pointloma.edu/title-ix.

PLNU ATTENDANCE AND PARTICIPATION POLICY

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university withdrawal date or, after that date, receive an “F” grade.

LOMA WRITING CENTER

The Loma Writing Center exists to help all members of the PLNU community cultivate transferable writing skills to engage their academic, professional, personal, and spiritual communities. We work

toward this goal by conducting one-on-one consultation sessions, supporting writing education across the PLNU community, and participating in ongoing writing center research.

Getting feedback from the Loma Writing Center while you're in the process of working on an assignment is a great way to improve the quality of your writing and develop as a writer. You are encouraged to talk with a trained writing consultant about getting started on an assignment, organizing your ideas, finding and citing sources, revising, editing for grammar and polishing final drafts, and more. For information about how to make in-person or online appointments, see [Loma Writing Center webpage](#) or visit the Loma Writer Center on the first floor of the Ryan Library, room 221.