POINT 1902 LOMA
NAZARENE UNIVERSITY

Department of Chemistry

CHE4099 Research in Chemistry – Session 6

1-4 Units

Fall 2026

Meeting days/times TBD

Meeting location Sator 206

Final Exam: N/A

INFORMATION	SPECIFICS FOR THE COURSE
Instructor title and name:	Dr. Ho Fung (Edmund) Cheng, Assistant Professor of Chemistry
Phone:	619 849 2581
Email:	hcheng@pointloma.edu
Office location and hours:	Rohr Science 360 (accessed through RS 330) Monday 8:30-9:40 am Monday 2:45-3:50 pm Wednesday 8:30-9:40 am Friday 8:30-9:40 am Fridays 2:45-3:45 pm (cancelled once a month) Google calendar link for office hour.

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 is an expression of faith. Being of Wesleyan heritage, we strive to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

Course Description✪

An independent investigation, under faculty supervision, of a specific problem at the frontier of a chemical field.

Includes weekly discussion sessions. May be repeated up to a maximum of four (4) units.

Program and Course Learning Outcomes✪

No Program Learning Outcomes are formally assessed in this course.

Course Learning Outcomes: Students will:

- Develop hands-on chemistry skills and practice beyond that achieved in traditional chemistry course and laboratory work.
- Solve research problems as they arise.
- Develop the work ethic and initiative to persevere in research with reasonable oversight from the faculty mentor.

Assessment and Grading✪

Students will be assessed based on the following criteria:

Criteria	Rating					
Time investment	**5** ≥3 hrs per week. Can move hours between weeks.	**4** Missed attendance requirement for 2 non-finals week.	**3** Missed attendance requirement for 3 or 4 non-finals week.	**2** Missed attendance requirement for 5 or 6 non-finals week.	**1** Missed attendance requirement for 7 or 8 non-finals week.	**0** Missed attendance requirement for 9 or more non-finals week.
Safety	**5** Always follow safety guidelines. Help create a safe working environment.	**4** Follow safety guidelines most of the time. Acknowledge errors and show improvement.	**3** A few instances of endangering self or others' health, showed some corrections.	**2** Multiple instances of endangering health, minor corrections shown.	**1** Multiple instances of endangering health with little correction.	**0** Multiple instances of endangering health with no correction.
Learning and work ethic	**5** Eager, often ask questions, and actively engage in discovery and knowledge creation.	**4** Usually actively engage in discovery and knowledge creation.	**3** Occasionally actively engage in learning and discovery.	**2** Usually disengaged with the group's work.	**1** Shown few desires to learn or engage in productive work.	**0** No desire to learn and come to lab totally unprepared.
Communication	**5** Timely updates on calendar for availability. Actively communicate with the team.	**4** Updates on the calendar are mostly timely. Communication is clear but only occasional.	**3** Occasionally show up at times different from the calendar. Communication is occasional.	**2** Often show up at times different from calendar. Communication is sparse.	**1** Usually show up at times different from calendar. Few communications.	**0** Availabiltiy does not match the calendar at all. Communication is absent.

Your grade will be based on the following grade scale.

Grade scale (Total: 20 points)

A ≥ 18	B+ 16	C+ 12	D+ 8	F < 4
A- 17	B 14-15	C 10-11	D 6-7	
	B- 13	C- 9	D- 5	

Final Examination Policy✪

There is no Final Examination in this course.

State Authorization✪

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.

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.

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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.

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. For all student appeals, faculty and students should follow the procedures outlined in the University Catalog. See Academic Policies for definitions of kinds of academic dishonesty and for further policy information.

Artificial Intelligence (AI) 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 Accommodations Policy

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities in accordance with the Americans with Disabilities Act (ADA). 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 619-849-2533). Once a student's eligibility for an accommodation has been determined, the EAC will work with the student to create an Accommodation Plan (AP) that outlines allowed accommodations. Professors are able to view a student's approved accommodations through Accommodate.

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. Accommodations are

not retroactive so clarifying with the professor at the outset is one of the best ways to promote positive academic outcomes.

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. Students cannot assume that because they had accommodations in the past, their eligibility at PLNU is automatic. All determinations at PLNU must go through the EAC process. This is to protect the privacy of students with disabilities who may not want to disclose this information and are not asking for any accommodations.

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.

Note that time investment is also an explicit criterion for your assigned grade in the course. For details, see the Assessment and Grading section, above.

PLNU Academic Behavior Policy✪

Both faculty and students at Point Loma Nazarene University have the right to expect a safe and ordered environment for learning. Students are expected to take the initiative to learn and conduct themselves in a mature and civil manner in the classroom environment. Any student behavior that is disruptive or threatening is a serious affront to Point Loma Nazarene University as a learning community. Students who fail to adhere to these behavioral standards may be subject to disciplinary action, including removal from class or further university sanctions. For a full definition of disruptive behavior, response procedures, and the appeal process, please consult the Academic Behavior Policy in the University Catalog.