

CHEM 488 SEMINAR IN CHEMISTRY II

Instructor: Lyman Rickard
Phone: 871-7412

Office: 215 Caputo
e-mail: Lyman.Rickard@millersville.edu

CHEM 487- 488 is a two-semester sequence (0.5 credits each) in which you will learn and practice techniques used in making effective oral presentations of a scientific topic. In this second semester you will present a seminar to the Chemistry Department on a chemical topic of your choosing and you will observe and critically evaluate seminars presented by others. You should have previously completed one semester of Chemistry 487 before registering for this course. Course credit: 0.5 hours. Prerequisite: CHEM 487. Chemistry seminar meets at 4:00 – 5:30 in Roddy 149.

Course Requirements:

1. Attend all Monday afternoon Chemistry Department seminars and class meetings. Complete a "Seminar Evaluation Sheet" for each seminar.
2. Ask two questions at seminar during the semester. Seminars and presentations at scientific meetings are a way of communicating scientific ideas. An important part of these presentations is the questions which are asked. Students will be expected to ask thoughtful questions at seminars.
3. Present a trial run of your seminar to the course instructor and your faculty mentor a minimum of 5 days prior to your scheduled presentation. It is your responsibility to arrange an acceptable time, place and date for this preliminary presentation.
4. Seminars must be announced by posting a title, presenter's name, date, time and place of presentation six days before the seminar.
5. Present a professional seminar on a chemical topic on the date which you have been assigned. The seminar should be presented with high quality visual aids prepared using PowerPoint. You should dress and conduct yourself in a professional manner. The seminar should last a minimum of twenty minutes plus additional time for questions. Students who do not pass the seminar presentation will have to repeat the seminar.
6. Complete an exit interview questionnaire.
7. Students are required to take the Major Field Test. This is a test of the student's knowledge in five areas of chemistry (analytical, organic, inorganic, biochemistry and physical). This is a standardized test similar to the SAT or GRE. Results of this test will be used in the determination of seminar grades. Students must attend the Major Field Test review sessions, complete a problem set for each review session, score at or above the 30% national norm in each area (physical, organic, inorganic, biochemistry and analytical). Students not scoring at the 30% level in any area must complete a problem set in that area to receive a passing grade in the course. The Major Field Test will be administered during the scheduled final exam period: Wednesday, May 3, at 12:30-2:30.

Attendance: It is important that you attend every class and seminar. If you must miss class, please let me know in advance so that an alternative assignment may be arranged. A Request for Excused Absence form must be completed and submitted to the instructor. Attendance at other departmental seminars (biology, earth science math, and physics) is strongly encouraged.

Office Hours: Monday, Thursday, Friday 10:00– 11:00; Tuesday 1:00-2:00; Wednesday 11:00-12:00 Feel free to come by any time that I am in my office. If you have difficulty finding a time to meet with me, make an appointment to see me.

Grading:

Evaluations of seminars	100 pts
Two seminar questions	50
Preliminary Presentation	25
Posting Announcements and Reference	25
Seminar Presentation	300
Exit Interview	50
Major Field Test problem sets and test score	<u>200</u>
	750 points

A = 92-100%	C = 72-78
A- = 90-92	C- = 70-72
B+ = 88-90	D+ = 68-70
B = 82-88	D = 62-68
B- = 80-82	D- = 60-62
C+ = 78-80	F Below 60

Seminar Presentation Components:

The purpose of a seminar is to **teach** the audience.

1. Title Screen (title and author)
2. Outline of Talk
3. Background concepts necessary to understand the material to be presented. Assume that the audience has had at least organic chemistry.
4. Body of the talk should be based on chemical research – either your own or research reported in the literature.
5. Concluding remarks: conclusions or a summary
6. Acknowledgements
7. References

You must have 5 references, at least 3 of which are ACS or similar refereed print journals. In addition, at least 3 must be a primary source (a journal reference where the authors are reporting their own work). PowerPoint slides must be prepared by you. The source of all photographs, spectra, and complex structures taken from the literature must be properly acknowledged.

ADA Program (Office of Learning Services) Americans With Disability Act | Millersville University (if you have a disability that requires accommodations under the Americans with Disabilities Act, please present your letter of accommodations and meet with me as soon as possible so that I can support your success in an informed manner. Accommodations cannot be granted retroactively. If you would like to know more about the Millersville University Office of Learning Services-please contact the office at 717-871- 5554)

Millersville University Policies:

- Academic Honesty Policy link [Governance Manual \(millersville.edu\)](#); for additional information please see the following: [What is Academic Integrity? | Millersville University](#)
 - Attendance Policy link: [Class Attendance Policy | Millersville University](#)
 - Inclusion Statement: [Millersville University Inclusion Statement | Millersville University](#)
 - Land Acknowledgement: [Land Acknowledgement | Millersville University](#)
 - Policy on Delays and Cancellations link [Policy on Delays & Cancellations | Millersville University](#)
 - Preferred Name FAQs link [Preferred Name FAQs | Millersville University](#)
 - Privacy Rights under FERPA link [Annual Notification of Student Rights Under FERPA | Millersville University](#)
 - Student Conduct and Community Standards Handbook link [studentcodeofconduct.pdf \(millersville.edu\)](#)
- Title IX Reporting Requirements and the Faculty member: Millersville University is committed to maintaining a safe education environment for all students. In compliance with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, the University requires faculty members to report incidents of sexual violence shared by students to the University's Title IX Coordinator. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report sexual violence or any other abuse of a students who was, or is, a child (under 18 years of age) when the abuse allegedly occurred to the person. Information about Title IX, resources and reporting can be found at: [What is Title IX | Millersville University](#).

Request for Excused Absence

Student Name:

Dates of Absence:

Reason for Absence (circle one): Illness, Family Emergency, University Activity

Attach documentation to support the request for an excused absence.