



## CHEM F481 Seminar Spring 2019

**CRN:** 73270 **Credits:** 1 credit

**Lecture:** REIC 201, Tues/Thurs 4:00 – 5:00 pm

**Prerequisites:** COJO 131 or COJO 141

### Instructor:



Thomas Green, Ph.D.  
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Office Hrs: Tues 1-3 pm or by appt  
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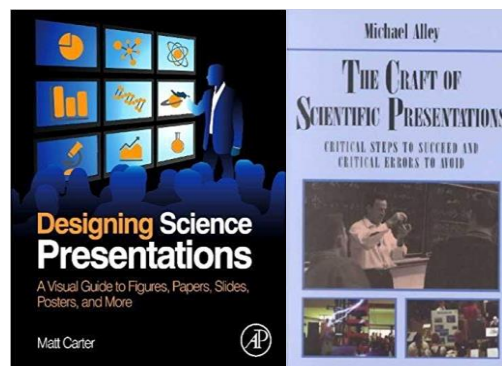
**Catalog Course Description:** This is the first in a two-semester sequence in oral communication required for the B.S. degree in Chemistry. Together, these two courses provide an introduction to the techniques and style of technical oral presentation generally accepted by professional chemists. Class will meet two hours per week, the first hour is open session, the second in closed session. Chem 481 students are required attend all of the public seminars (Tuesdays) and participate in critiquing presentations by graduate students, chemistry faculty, and their peers during the Thursday session.

Note: The oral communication intensive credit is earned upon successful completion of both CHEM F481 and Chem482.

### Course Materials:

**Recommended Text:** *Designing Science Presentations: A Visual Guide to Figures, Papers, Slides, Posters, and More*, Matt Carter – Academic Press, San Diego, 2013 **ISBN: 978-0-12-385969-3**

*The Craft of Scientific Presentations*, Michael Alley, Springer -Verlag, New York, 2008 **ISBN: 0387955550**



### Important Dates:

Jan 15<sup>th</sup>: First day of class

Jan 25<sup>th</sup>: Deadline for adding classes, late registration, drops with no appearance on academic record

Mar 29<sup>th</sup>: Last day for withdrawal with W

Apr 29<sup>th</sup>: Last day of instruction

May 9<sup>th</sup>: Grades Posted

### Course Goals:

Develop an overall understanding of the principles of oral communication in science including accepted presentation techniques, listening skills, critical analysis of scientific presentations, participation in scientific discussions and introduction of speakers.

**Student Learning Outcomes:** By the end of the course students should be able to:

1. Demonstrate an ability to listen to a scientific presentation and to ask pertinent questions regarding the material presented.
2. Actively participate in a discussion of strengths and weaknesses of a speaker's presentation and/or the scientific merit of the research presented.
3. Provide clear concise written critiques of research and/or journal presentations with respect to presentation style, multimedia and content.
4. Demonstrate the ability to introduce a seminar speaker in a professional and appropriate manner as described by the course directors.

**Course Structure.** Chem 481 students are required to attend at all class sessions and participation in all class activities. Students will be expected to listen to all presentations during the Tuesday public seminar session and to ask relevant and probing questions during the question/answer period. In addition, detailed, written critiques of all presentations will be required and all Chem 481 students will be expected to attend and participate in the discussion of these critiques during the Thursday closed session. To provide some public speaking experience in Chem 481, students will be required to write and deliver a public introduction for seminar speakers at least once during the semester and to participate in any public speaking exercises conducted during the semester.

### **Grading and Evaluation of Performance.**

It is expected that students will complete all of the Learning Objectives listed above. Grading in this course is on a Pass/Fail basis. A minimum passing grade will be given to students who have completed the following requirements: 1. Passing grade on written critiques. (Defined as a passing grade for 75% of all required critiques). 2. Satisfactory attendance at all class sessions. (Attendance of all class sessions unless excused by the instructor and relevant discussion during the question/answer period). 3. Satisfactory performance on seminar introduction. (A well-researched and delivered introduction). 4. Satisfactory performance in Thursday discussions. (A well delivered summary of the written critique when requested along with well thought out responses to questions.)

### **Notes and Policies:**

**Attendance.** Due to the dependence on participation, students are expected to attend all class sessions.

**Exams.** There will be no examinations in this course. Grading will be based on attendance, quality of participation and quality of written critiques.

**Honor Code.** Chemistry Department policy states that any student caught cheating on graded work will be assigned a course grade of F. Course drop forms will not be signed in these cases.

**Plagiarism Policy:** Plagiarism is defined as the use of another's intellectual property without correct citation of the author. Intellectual property includes all electronic, spoken or print media. Students are expected to cite all sources used in oral and written presentations. Citations of sources should be consistent with an American Chemical Society (ACS) journal of your choice. Cases of plagiarism will be dealt with severely with the minimum penalty being a grade of 0 for the assignment in question. Cases may be referred to the Department Chair or Dean for further action.

**Conduct.** Your conduct in this course is expected to be professional and respectful at all times. Disruptive or abusive students will be removed from the classroom and may be subject to disciplinary action.

**Instructor-Initiated Withdrawals.** Until Friday, Nov 2<sup>nd</sup> the instructor has the right to withdraw a student who has not participated substantially in the course. Any of the following constitute non-participation: 1) Less than 75% attendance without an excused absence, 2) Less than 50% passing on written critiques.

## **Support & Accommodations:**

**Speaking Lab.** Students are strongly encouraged to make use of the Speaking Lab. The Speaking Center is a student-oriented service provided to facilitate preparing public presentations. Students can receive coaching in refining their presentation topic, in organizing their presentation effectively, and in practicing their presentation. The center is located in the Department of Communication (Gruening Rm 507). <http://www.uaf.edu/speak/>

**Disabilities Services.** The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. Students with documented disabilities who may need reasonable academic accommodations should discuss these with me during the first two weeks of class. We will work with the Office of Disabilities Services (\*208 Whitaker, 474-5655) to provide reasonable accommodation to students with disabilities. You will need to provide documentation of your disability to Disability Services.

**Veteran Support Services.** Walter Crary ([wecrary@alaska.edu](mailto:wecrary@alaska.edu)) is the Veterans Service Officer at the Veterans Resource Center, 111 Eielson Building, 474-2475. Fairbanks Vet Center: 456-4238. VA Community Based Outpatient Clinic at Ft. Wainwright: 361-6370.

**Student Support Services.** The Student Support Services (SSS) program located in 512 Gruening (474- 6844), provides opportunities for academic development, assists students with college requirements, and serves to motivate students toward successful completion of their degree program.

**Diversity, Equal Opportunity, and Affirmative Action:** The University of Alaska Fairbanks is accredited by the Northwest Commission on Colleges and Universities. UAF is an affirmative action/equal opportunity employer and educational institution. University of Alaska Board of Regents have clearly stated in BOR Policy that discrimination, harassment and violence will not be tolerated on any campus of the University of Alaska

**Student protections and services statement:** Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc to find reasonable accommodations. Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. As required, if I notice or am informed of certain types of misconduct, then I am required to report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site: [www.uaf.edu/handbook/](http://www.uaf.edu/handbook/)

**Amending this Syllabus:** *Before the drop date, we may slightly revise the syllabus to correct for any errors. Revision at a later time would require majority vote by students present in class on day issue is decided. Any revisions will be distributed to all students via Blackboard and announced in class. Adjustments to the tentative lecture schedule, homework due dates and readings will be made throughout the course at the instructor's discretion and if so, communicated to students via Blackboard.*

## CHEM 481/482 Seminar Schedule

Week	Date		Schedule
1	Tues	1/15	
	Thurs	1/17	
2	Tues	1/22	
	Thurs	1/24	
3	Tues	1/29	
	Thurs	1/31	
4	Tues	2/5	
	Thurs	2/7	
5	Tues	2/12	
	Thurs	2/14	
6	Tues	2/19	
	Thurs	2/21	
7	Tues	2/26	
	Thurs	2/28	
8	Tues	3/5	
	Thurs	3/7	
9	Tues	3/12	Spring Break NO CLASS
	Thurs	3/14	
10	Tues	3/19	
	Thurs	3/21	
11	Tues	3/26	
	Thurs	3/28	
12	Tues	4/2	
	Thurs	4/4	
13	Tues	4/9	
	Thurs	4/11	
14	Tues	4/16	
	Thurs	4/18	
15	Tues	4/	
	Thurs	12/6	