

## CHEM-692: Graduate Chemistry Seminar Course Syllabus

**Course:** Graduate Chemistry Seminar (CHEM-692); 1 credit  
**Prerequisites:** Currently enrollment in a UAF doctoral or master's program in chemistry  
**Location:** Reichardt 201  
**Meeting Time:** T, R 4:00 – 5:00 pm  
**Blackboard link:** <http://classes.uaf.edu>

All information and supporting documents for this course will be maintained on the UAF Blackboard website. It is therefore important that you check the site regularly for updates. Moreover, time-sensitive information and reminders will occasionally be sent to all students enrolled in the course, so it is important that you **verify that your email address is correct.**

**Instructor:** Dr. Brian Edmonds  
**Faculty Mentors:** All Chemistry and Biochemistry faculty members can serve as mentors. A list of potential mentors will be provided.  
**Office hours:** MWF 10:30 AM – 12:00 PM (or by appointment)  
**Office:** Murie Building, Room 113E  
**Research Lab:** Murie Building, Room 110  
**Phone:** 907-474-6527  
**E-mail:** bwedmonds@alaska.edu  
**Preferred contact method:** e-mail

### Recommended Reference Text

Title:  
Author: Alley, Michael  
Publisher: Springer-Verlag, New York  
ISBN: 0387955550  
Publication Date: 2008

### Course Description:

-481 and Chem-482. The Tuesday session will be open to the public and feature a presentation given by an undergraduate, graduate student, faculty, or invited speaker. The Thursday session will be closed (enrolled students only). Students are required to giv

Chem-692 students are expected to successfully defend interpretations of the research results that they present.

**Learning Outcomes:**

1. Demonstrate the ability to present scientific material during a 40-minute research presentation and two short presentations.
2. Demonstrate the ability to critically evaluate data presented, and to answer questions posed by the audience at the end of the presentation.
3. Demonstrate the ability to defend research approaches and conclusions by providing answers to questions on experimental rationale and alternative interpretations of the data.
4. Demonstrate the ability to listen to a research presentation and formulate thoughtful questions pertaining to the material presented.
5. Actively participate in a discussion of the strengths and weaknesses of a speaker's presentation, and the scientific merit of the material presented.
6. Provide clear written critiques of research and/or journal article presentations with respect to presentation style and content.

**Instructional Methods:**

Students are required to attend all class sessions and participate in all class activities. In addition, Chem-692 students are required to prepare and deliver their own seminar and give two ~10 minute practice presentations, which will be evaluated. Note that the student must **submit an abstract (with graphic) of their seminar topic one week prior to the seminar**

should be submitted (without the Major Advisor's signature) by the due date indicated on the form (**September 13**). A second, "Ready to Present" form is intended to verify that the student is prepared to give the seminar. This form should be filled out, signed by the student's major advisor, and submitted to the instructor no later than one week prior to the scheduled date of the seminar.

**Course Policies:**

**Attendance:**

**Support Services:**

Support can be obtained through the University of Alaska Library system, online resources, and the