

Biochemistry Colloquium

Chem 688

Primary Instructor: Kelly Drew, 474-7190, kdrew@alaska.edu
Department of Chemistry and Biochemistry
Murie 218

Office Hours: please contact instructor via email or phone

Meeting Time: Wednesday, 11:45 pm – 12:45 pm, Murie 130

Text: *The Grant Application Writer's Workbook*
<http://www.grantcentral.com/workbooks/national-institutes-of-health/>
Other reading material will be distributed during course

Course Description:

This 1 credit course provides a set of practical skills to succeed as a professional scientist in the increasingly competitive environment in higher education, academia, or private industry. The colloquium will focus on *the NIH biosketch and grantsmanship* as pertinent to graduate students. Necessary reading material will be distributed during the course for reference and distributed on a timely basis. Graduate students will develop an NIH biosketch and a research proposal related to their thesis research.

Course Goals:

- Develop a competitive biosketch
- Prepare an effective research proposal

Learning Outcomes: Fall 2017

- Develop a working model, generate hypotheses from the model and design experiments to test these hypotheses.
- Prepare a research proposal and know how to communicate the significance, innovation, approach and feasibility of the proposed work.
- Prepare an NIH biosketch and develop a vision for growing your biosketch

Instructional Methods:

The course is composed of group discussions (approx. 50%), and individual writing assignments. Group discussions are graded from attendance and participation. Participation includes voicing opinions and making revisions in response to group feedback. Writing assignments (approx 50%) are graded on a nominal scale of 0 or 1. The score is 1 if the writing assignment is available as scheduled for discussion and 0 if it is not available for discussion. This course is writing intensive and culminates in a research proposal.

Grading:

Students will be evaluated on the basis of their *participation*. Grades are A (90-100%), B (80-90%), C (70-80%), D (60-70%), F (<60%)

Course Policies:

Attendance: Graduate student attendance is expected. Undergraduate student attendance is highly encouraged. Active student participation is expected and will account largely for the pass/fail grade.

Presentations: Students will receive adequate preparation time for all assignments. Content and organization of topics are the primary concern, however presentation and discussion are also subject to scoring procedure.

Ethical Considerations:

The Chemistry Department's policy of cheating is as follows: *"any student caught cheating will be assigned a course grade of F. The student's academic advisor will be notified of this failing grade and the student will not be allowed to drop the course"*.

Plagiarism Policy:

Plagiarism is defined as the use of "other" intellectual property without proper reference to the original author. Intellectual property includes all electronic, spoken or print media *thus any information taken of the web is included under this statement*. Students are expected to cite all sources used in oral and written presentations. Cases of plagiarism will be taken seriously with a grade 0 for the particular assignment. Severe cases may be referred to the Department Chair or Dean or class failing considered.

Services –Support, Disabilities:

Support services will be provided by the University of Alaska Library system, online resources and the instructor. Additional services are available through Student Support Services (<http://www.uaf.edu/sssp/>) at UAF. We will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide accommodations for students with disabilities.

Course materials

Grant writing book (posted on Blackboard)

The NIH biosketch and research proposals

<https://grants.nih.gov/grants/forms/biosketch.htm>