

## Biochemistry Colloquium

### Chem 688

**Primary Instructor:** Kelly Drew, 474-7190, [kdrew@alaska.edu](mailto:kdrew@alaska.edu)  
Department of Chemistry and Biochemistry  
Murie 223F

**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 How to Write a Successful Proposal for NIH

#### Course Goals:

- Know the components of an NIH grant
- Learn how to develop a theoretical model (or scheme)
- Learn how to develop a means to test the model (hypothesis driven) or to optimize a scheme or process
- Know how to follow a writing schedule to develop components of an NIH RO3 application
- Know how to provide preliminary data to demonstrate feasibility and to support a hypothesis or scheme

#### Learning Outcomes: Spring 2018

- Create a writing schedule
- Define reproducibility and rigor for hypothesis driven research
- Complete sections of an NIH RO3 application
- Apply NIH review criteria to evaluate grant applications

#### Instructional Methods:

The course is composed of group discussions and participation.

#### Grading:

Students will be evaluated on the basis of meeting deadlines for each assignment with one point for each deadline met. Grades are A (90-100%), B (80-90%), C (70-80%), D (60-70%), F (<60%). Deadline is before class when instructor is present in class. Deadline is 5:00 pm when instructor is not present.

**Course Policies:**

*Attendance:* Attendance is expected for all students.

**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.