Biochemistry Colloquium

Chem 688

Primary Instructor: Kelly Drew, 474-7190, 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
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.