

## 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

**Meeting Time:** Wednesday, 11:45 pm – 12:45 pm, Murie 230

**Zoom:** <https://alaska.zoom.us/j/86585726597>

**Text:** *The Grant Application Writer's Workbook*

<http://www.grantcentral.com/workbooks/national-institutes-of-health/>

Other reading material will be distributed during the course

See Shared Google Drive for reading material:

[https://drive.google.com/drive/u/0/folders/0AG3FW\\_FQKzFcUk9PVA](https://drive.google.com/drive/u/0/folders/0AG3FW_FQKzFcUk9PVA)

[https://grants.nih.gov/grants/forms/biosketch.ht](https://grants.nih.gov/grants/forms/biosketch.htm)

[m](https://grants.nih.gov/grants/forms/biosketch.htm)

Create an account on

MyNCBI <https://www.ncbi.nlm.nih.gov/myncbi/>

### 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 2022

- 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 and ability to meet deadlines*. Grades are A (90-100%), B (80- 90%), C (70-80%), D (60-70%), F (<60%)

### **Course Policies:**

*Attendance:* Graduate student attendance is expected.

*Presentations:* Students will receive adequate preparation time for all assignments (plan on 3 hours of effort per week outside of class). Content and organization of topics are the primary focus, 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.

**COVID-19 statement:** Students should keep up-to-date on the university's policies, practices, and mandates related to COVID-19 by regularly checking this website:

<https://sites.google.com/alaska.edu/coronavirus/uaf?authuser=0>

Further, students are expected to adhere to the university's policies, practices, and mandates and are subject to disciplinary actions if they do not comply.

**Student protections statement:** UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and discrimination (Title IX).

Faculty members are designated as responsible employees which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site: <https://catalog.uaf.edu/academics-regulations/students-rights-responsibilities/>.

**Disability services statement:** I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities.

**ASUAF advocacy statement:** The Associated Students of the University of Alaska Fairbanks, the student government of UAF, offers advocacy services to students who feel they are facing issues with staff, faculty, and/or other students specifically if these issues are hindering the ability of the student to succeed in their academics or go about their lives at the university. Students who wish to utilize these services can contact the Student Advocacy Director by visiting the ASUAF office or emailing [asuaf.office@alaska.edu](mailto:asuaf.office@alaska.edu).

#### Student Academic Support:

- Speaking Center (907-474-5470, [uaf-speakingcenter@alaska.edu](mailto:uaf-speakingcenter@alaska.edu), Gruening 507)
- Writing Center (907-474-5314, [uaf-writing-center@alaska.edu](mailto:uaf-writing-center@alaska.edu), Gruening 8th floor)
- UAF Math Services, [uaf-traccloud@alaska.edu](mailto:uaf-traccloud@alaska.edu), Chapman Building (for math fee paying students only)
- Developmental Math Lab, Gruening 406
- The Debbie Moses Learning Center at CTC (907-455-2860, 604 Barnette St, Room 120, <https://www.ctc.uaf.edu/student-services/student-success-center/>)
- For more information and resources, please see the Academic Advising Resource List ([https://www.uaf.edu/advising/lr/SKM\\_364e19011717281.pdf](https://www.uaf.edu/advising/lr/SKM_364e19011717281.pdf))

#### Student Resources:

- Disability Services (907-474-5655, [uaf-disability-services@alaska.edu](mailto:uaf-disability-services@alaska.edu), Whitaker 208)
- Student Health & Counseling [6 free counseling sessions] (907-474-7043, <https://www.uaf.edu/chc/appointments.php>, Gruening 215)
- Center for Student Rights and Responsibilities (907-474-7317, [uaf-studentrights@alaska.edu](mailto:uaf-studentrights@alaska.edu), Eielson 110)
- Associated Students of the University of Alaska Fairbanks (ASUAF) or ASUAF Student Government (907-474-7355, [asuaf.office@alaska.edu](mailto:asuaf.office@alaska.edu), Wood Center 119)

**Nondiscrimination statement:** The University of Alaska is an affirmative action/equal opportunity employer and educational institution. The University of Alaska does not discriminate on the basis of race, religion, color, national origin, citizenship, age, sex, physical or mental disability, status as a protected veteran, marital status, changes in marital status, pregnancy, childbirth or related medical conditions, parenthood, sexual orientation, gender identity, political affiliation or belief, genetic information, or other legally protected status. The University's commitment to nondiscrimination, including against sex discrimination, applies to students, employees, and applicants for admission and employment. Contact information, applicable laws, and complaint procedures are included on UA's statement of nondiscrimination available at [www.alaska.edu/nondiscrimination](http://www.alaska.edu/nondiscrimination). For more information, contact:

UAF Department of Equity and Compliance  
1692 Tok Lane, 3rd floor, Constitution Hall, Fairbanks, AK 99775  
907-474-7300  
[uaf-deo@alaska.edu](mailto:uaf-deo@alaska.edu)

Additional syllabi statement for courses including off-campus programs and research activities:

University Sponsored Off-Campus Programs and Research Activities

We want you to know that:

1. UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: [www.alaska.edu/nondiscrimination](http://www.alaska.edu/nondiscrimination).
2. Incidents can be reported to your university's Equity and Compliance office (listed below) or online reporting portal. University of Alaska takes immediate, effective, and appropriate action to respond to reported acts of discrimination and harassment.
3. There are supportive measures available to individuals that may have experienced discrimination.
4. University of Alaska's Board of Regents' Policy & University Regulations (UA BoR P&R) 01.02.020 Nondiscrimination and 01.04 Sex and Gender-Based Discrimination Under Title IX, go to: <http://alaska.edu/bor/policy-regulations/>.
5. UA BoR P&R apply at all university owned or operated sites, university sanctioned events, clinical sites and during all academic or research related travel that are university sponsored.

For further information on your rights and resources

[click here](#).