

Biochemistry Colloquium**Chem 688**

Primary Instructor: Thomas Kuhn, 474-5752, tbkuhn@alaska.edu
Department of Chemistry and Biochemistry
Murie 223 D

Office Hours: please contact instructor via email or phone

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

Text: Reading material will be distributed during course

Course Description:

This 1 credit course addresses hands-on knowledge essential to succeed as a professional scientist in the increasingly competitive environment in higher education, academia, or private industry. The colloquium will focus on various skills related to research/project management, mentoring/supervising, parallels between science and business, and critical preparations steps to advance in various careers in the life sciences.

- Data management (ELNs, notebooks, SOPs)
- Mentoring/Supervising (students, personnel)
- Logistics (laboratory, research)
- Interface of science and business (IP, business concept/plans and grants, budgets, collaborations)
- Career opportunities (CV/resume, cover letter, networking/LinkedIn, interview skills)

Course Goals:

- professional data management (recording, storing, accessing)
- aspects of team management and laboratory logistics
- the business of knowing business as a scientist
- essential career preparations

Learning Outcomes: Spring 2019

- establish professional data management in your thesis research
- dos and don'ts of team management
- grants and business plans/concept – similarities and differences
- networking and preparing for interviews

Instructional Methods:

The course is composed of discussions and participation. Blackboard will be utilized as a central communication platform for announcements, posting of lectures and reading material, and distribution/collection of assignments. At least one week preparation time is given for any assignments.

Grading:

Discussion is graded from attendance, willingness to voice a question, comment or opinion and ability to keep the discussion focused and to leave time for others to speak. Participation is graded on the basis of assignment completion and preparation. Aspects are scored on scale from 1 (marginal), 2 (satisfactory), 3 (good), 4 (very good), to 5 (excellent).

Students will be evaluated on the basis of discussion (50%) and participation (50%). Grades are A (90-100%), B (80-89%), C (70-79%), D (60-69%), F (<60%)

Your instructor follows the University of Alaska Fairbanks Incomplete Grade Policy: “The letter “I” (Incomplete) is a temporary grade used to indicate that the student has satisfactorily completed (C or better) the majority of work in a course but for personal reasons beyond the student’s control, such as sickness, has not been able to complete the course during the regular semester. Negligence or indifference are not acceptable reasons for an “I” grade.”

Course Policies:

Attendance: Attendance is expected for all students. Active student participation is expected and will account for the grade.

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 any reasonable accommodations for students to succeed.

Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. For more information on your rights as a student and the

resources available to you to resolve problems, please go the following site:
www.uaf.edu/handbook/.

UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: <https://alaska.edu/nondiscrimination/>.

Effective communication: Students who have difficulties with oral presentations and/or writing are strongly encouraged to get help from the UAF Department of Communication's Speaking Center (907-474-5470, speak@uaf.edu) and the UAF English's Department's Writing Center (907-474-5314, Gruening 8th floor), and/or CTC's Learning Center (604 Barnette Street, 907-455- 2860).

16-Jan	Course Introduction
23-Jan	Data Management (ELNs, efiles, literature, SOPs)
30-Jan	Data Management (ELNs, efiles, literature, SOPs)
6-Feb	Data Management (ELNs, efiles, literature, SOPs)
13-Feb	Team/Lab Management (mentoring/supervising/personalities, projects)
20-Feb	Team/Lab Management (mentoring/supervising/personalities, projects)
27-Feb	Science/Business Parallels (concept, plans, grants, budgets, collaboration, IP)
6-Mar	Science/Business Parallels (concept, plans, grants, budgets, collaboration, IP)
13-Mar	SPRING BREAK
20-Mar	Career Opportunities
27-Mar	Networking (LinkedIn)
3-Apr	Networking (LinkedIn)
10-Apr	CV/Resume/cover letters
17-Apr	CV/Resume/cover letters
24-Apr	Interview skills
1-May	Interview skills