

**Biochemistry Laboratory**  
**CHEM 3820**  
**Autumn 2019**

Instructor: Erich G. Chapman, PhD  
Office: Seeley G. Mudd, Room 103  
Phone: 303.871.3681  
email: erich.chapman@du.edu

**Class Schedule:** 1:00pm-4:50pm, Mon, Wed  
Seeley G. Mudd, Room 209

**Office Hours:** available by appointment as needed

**Textbook:** none required, course materials will be distributed in class

**Lab reports:** There will be two 100 point lab reports. One from the first protein (Taq or DNA ligase) expression and subsequent cloning experiments, the second from the Aptamer Project. Each of these will be formatted according to ACS Style guidelines for the journal *Biochemistry*. Further description will be provided in class.

**Final Research Presentation:** Each 3 person team will present either a) a research poster b) a 40 min in-class presentation or c) develop a 7-page research proposal based on their Aptamer project.

**Talk/Seminar Attendance:** There are a variety of scientific and technological seminars on campus. In order to encourage students to take advantage of these talks two, 25-point assignments will be based on seminar attendance.

**Lab Notebook:** A detailed lab notebook is the most direct product of your work in the lab, the product of your labor and can be an important legal document. To reflect this, lab notebooks will be periodically reviewed by the instructor or TA to ensure completeness and accuracy in record keeping.

<b>Grading Summary:</b>	<b>Assignment</b>	<b>Points</b>
	Molecular Cloning lab report	100
	Aptamers Project lab report	100
	research presentation	50
	seminar attendance	50
	lab notebook/misc.	50
	total points:	35

**Course Website:** <https://canvas.du.edu/courses/88438>

I'll use Canvas to provide notes for each class period's activities, post scores on assignments and post important information and articles.

**An updated Course Schedule will be maintained in a separate Excel file in Canvas.**

## **Additional Policies:**

### **Diversity and Inclusion Statement:**

Inside and outside of this classroom I expect everyone to respect one another and help foster a positive learning environment. I will do my best to create an open and inquisitive classroom and would appreciate your help. If specific issues arise please let me know immediately in person or by email. We can work together to help resolve and correct them.

A copy of the Chancellor's Statement on Diversity, Equity and Inclusive Excellence can be found at: <http://www.du.edu/chancellor/vision/diversitystatement.html>

Additional resources addressing Diversity and Inclusion can be found on the Office of Diversity and Inclusion's website at: <http://www.du.edu/diversity-inclusion/index.html>

### **DU Honor Code:**

All members of the University of Denver are expected to uphold the values of *Integrity*, *Respect*, and *Responsibility*. These values embody the standards of conduct for students, faculty, staff, and administrators as members of the University community.

Our institutional values are defined as:

*Integrity*: acting in an honest and ethical manner;

*Respect*: honoring differences in people, ideas, and opinions;

*Responsibility*: accepting ownership for one's own conduct.

A complete explanation of University's policies and procedures regarding student conduct can be found at: <http://www.du.edu/studentlife/studentconduct/media/documents/honorcode.pdf>

### **Title IX Statement:**

The University prohibits discrimination on the basis of sex, including sexual misconduct, in its educational programs and activities. The University is committed to complying with Title IX of the Education Amendment Act of 1972 and ensuring that the University's education programs and activities are operated in a manner consistent with applicable federal law, regulations, and provisions.

Further information concerning DU's Title IX policies can be found at: <http://www.du.edu/equalopportunity/policies/index.html>

## **Students with Disabilities/Medical Issues:**

University of Denver complies with the American with Disabilities Act and Section 504 of the Rehabilitation Act. Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs and what we can do jointly to accommodate them. If you qualify for academic accommodations because of a disability or medical issue please submit a Faculty Letter to me from Disability Services Program (DSP) in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities/medical issues. Please contact the Disability Services Program located on the 4th floor of Ruffatto Hall; 1999 E. Evans Ave., to coordinate reasonable accommodations for students with documented disabilities/medical issues. 303.871/2278/7432/ 2455. Information is also available on line at <http://www.du.edu/disability/dsp>; see the Handbook for Students with Disabilities.

There are other resources available on campus to help students with their learning and study needs. The Learning Effectiveness Program (LEP), a fee based program that offers support services to DU students with LD and/or ADHD, which provides academic counseling, tutoring and other specialist services (<http://www.du.edu/disability/lep>, 4th floor of Ruffatto Hall, 303.871.2372). The Writing Center supports and promotes effective student writing helping with all kinds of writing projects: class assignments, personal writing, professional writing, and multimedia projects. They serve any student affiliated with the University and invite students in all classes, at all levels of writing ability, and at any stage of the writing process to visit us. To Schedule an Appointment: <http://myweb.du.edu>, Student & Financial Aid tab, Writing Center, 303.871.7456. They are located in the AAC and offer evening and weekend hours. The Career Center partners with faculty, staff, senior administration and employers, to help students and alumni make informed decisions about work and life. They offer self assessment, career and educational options, self marketing strategies and real world experiences and can be contacted at <http://www.du.edu/studentlife/career>, 303.871.2150 and are located in the basement of the Driscoll Center. T

## **Religious Accommodations:**

University policy grants students excused absences from class or other organized activities for observance of religious holy days, unless the accommodation would create an undue hardship. Faculty are asked to be responsive to requests when students contact them in advance to request such an excused absence. Students are responsible for completing assignments given during their absence, but should be given an opportunity to make up work missed because of religious observance.

Once a student has registered for a class, the student is expected to examine the course syllabus for potential conflicts with holy days and to notify the instructor by the end of the first week of classes of any conflicts that may require an absence (including any required additional preparation/travel time). The student is also expected to remind the faculty member in advance of the missed class, and to make arrangements in advance (with the faculty member) to make up any missed work or in-class material within a reasonable amount of time.