SYLLABUS (PART I) - COURSE DESCRIPTION
BIOL 382 - BIOCHEMISTRY I LABORATORY  FALL 2021

Instructor  office  phone  e-mail  office hours
Doug Cole  Gibb 131  885-4071  dcole@uidaho.edu  W 8:00-10:00 AM
or by appointment

Textbook:  None Required. Materials will be handed out in class while some reading material will be available on the BbLearn 382 course site.

Location:  Life Sciences South, LSS 167

BbLearn  Some materials for this course will be posted on BbLearn. Be sure to read relevant information before class.

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<thead>
<tr>
<th>Section</th>
<th>TAs</th>
<th>e-mail</th>
<th>location</th>
<th>office hours</th>
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</thead>
<tbody>
<tr>
<td>Sec 01 (W 2:00)</td>
<td>Nathan Taggart</td>
<td><a href="mailto:nathantaggart@uidaho.edu">nathantaggart@uidaho.edu</a></td>
<td>LSS 167</td>
<td>tbd</td>
</tr>
<tr>
<td>Sec 02 (R 10:30)</td>
<td>Sierra Beach</td>
<td><a href="mailto:sbeach@uidaho.edu">sbeach@uidaho.edu</a></td>
<td>LSS 167</td>
<td>by appointment</td>
</tr>
<tr>
<td>Sec 03 (R 2:30)</td>
<td>Suki Li</td>
<td><a href="mailto:sli@uidaho.edu">sli@uidaho.edu</a></td>
<td>LSS 167</td>
<td>tbd</td>
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Grading:
- Reports  55.0%
- Attendance & Lab notebook checks  10.0%
- Practicum  15.0%
- In-Class Assignments & Homework  20.0%
- Total  100.0%

The final course grade will be based as follows:
1. ≥90% of the total points will guarantee an ‘A’
2. ≥80% of the total points will guarantee no less than a ‘B’
3. ≥70% of total points will guarantee no less than a ‘C’
4. ≥55% of total points will guarantee no less than a ‘D’
5. <45% of the total points will likely result in an ‘F’

The final grade cutoffs will likely be lower than the “guaranteed” cutoff

Course Requirements:
1. You are required to be on time and attend all of the scheduled labs. If you miss a lab due to COVID-19, other illness, death in the family, or pre-arranged school activity, you need to communicate why you missed with the Instructor (D Cole) and arrange for generating the missed work by using data obtained from the missed lab. Punctuality matters; if you are routinely late, your lab partner(s) will suffer. Two or more unexcused absences will result in a failing grade for the course.
2. Be prepared for each lab period. Read any assigned material prior to lab. We reserve the right to add pre-lab assignments if students are coming to lab unprepared; these would add to the Homework/Assignment category. Plan to spend ~1 hour prior to each lab period preparing for the lab when the protocol or reading materials are provided.
3. Pants, closed-toe shoes, lab coats, safety eyewear & masks are required for all lab periods. Lab coats will be provided and are kept in your lab drawer. Safety eyewear is housed near the gloves and hand-washing sink. Face shields can be used but only in combination with the provided disposable face mask.
4. Students will work in pairs to collect data but will keep separate notebooks and prepare separate lab reports. Using someone else’s figure or text, including figure legend text, in your Lab Report is considered plagiarism.
5. Starting with Week 2, **Lab notebooks** will be checked **weekly**; be sure your TA checks it before you leave. The notebook is a tool and will be necessary for analyzing data and writing reports. If you routinely bring your own personal computer to lab, it is acceptable to keep an electronic notebook which is still checked weekly by your TA.

6. An emphasis of this course is on the written **Lab Reports**. They are worth **55.0%** of your grade. It is important that you take good notes in your lab notebook and work promptly on data analysis in order to get feedback from your instructors prior to handing in the final reports. There will be an emphasis on the information conveyed by your figures so they should be labeled carefully and always include a detailed figure legend. Good and poor examples of figures with figure legends will be available on BbLearn. Specific guidance as to what is desired will be provided for each report; this will be found within the protocol documents, announcements from your Instructors and from the grading rubric. Your graded Lab Reports are a valuable tool that will be available to you during the Lab Practicum. **On the day that a hardcopy of your Lab Report is handed into the TA/Instructor, a digital pdf copy needs to be uploaded on BbLearn.** Plan to spend at least **2-3 hour/week on data analysis and writing your reports**.

7. There are **homework assignments** due at the beginning of select lab periods. Be sure to bring a hardcopy of your homework to class on the day they are due.

8. Unless prior arrangements have been made, **late assignments & reports** must be submitted directly to Dr. Cole. Late work will lose **20%** of the original value/day.

9. Any cases of cheating, giving or receiving assistance during an exam, plagiarism, falsification of records, or similar behavior will be handled according to the Student Code of Conduct, ([http://www.webpages.uidaho.edu/fsh/2300.html](http://www.webpages.uidaho.edu/fsh/2300.html); Chapter 2 of the Faculty Staff Handbook; updated 2014).

The Learning outcomes for this course are aligned with the UI Learning outcomes.

1. **Learn and integrate:** You will apply your knowledge from chemistry, biology and biochemistry to conduct experiments in biochemistry and interpret the results.

2. **Think and create:** You will apply lecture and reading concepts to the conducting of experiments, predicting outcomes and possibly designing follow up approaches.

3. **Communicate:** You will be working in cooperative groups and communicate your results in a written format that other scientists can easily understand.

4. **Clarify purpose and perspective:** You will gain understanding into the working of cellular processes and insights into the relatedness of biochemical processes. You will better understand how to be good laboratory scientists.

5. **Practice citizenship:** The cooperative working environment of the laboratory and interpretation of results will aid in developing an understanding of the diversity of the natural world and its importance to everyday life.

**University of Idaho Classroom Learning Civility Clause**

In any environment in which people gather to learn, it is essential that all members feel as free and safe as possible in their participation. To this end, it is expected that everyone in this course will be treated with mutual respect and civility, with an understanding that all of us (students, instructors, professors, guests, and teaching assistants) will be respectful and civil to one another in discussion, in action, in teaching, and in learning.

Should you feel our classroom interactions do not reflect an environment of civility and respect, you are encouraged to meet with your instructor during office hours to discuss your concern. Additional resources for expression of concern or requesting support include the Dean of Students office and staff (5-6757), the UI Counseling & Testing Center’s confidential services (5-6716), or the UI Office of Human Rights, Access, & Inclusion (5-4285).
Student Resources

UI Center for Disability Access & Resources (CDAR) Reasonable Accommodations

Reasonable accommodations are available for students who have documented temporary or permanent disabilities; this currently includes students who are unable to wear a mask during their exams. All accommodations must be approved through the Center for Disability Access and Resources located in the Bruce M. Pitman Center, Suite 127 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- 885-6307
- email: cdar@uidaho.edu
- web: www.uidaho.edu/current-students/cdar

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Counseling & Testing Center—

• The Counseling and Testing Center is the primary mental health agency for the University of Idaho students. The CTC are a team of highly trained professionals committed to improving mental health and well-being, providing services and support to enhance educational, emotional, psychological, social, and cultural well-being. The CTC has an unwavering commitment to social justice, equity, and inclusion, and strive to offer culturally informed services and programs by providing a safe space to be heard, appreciated, and accepted. Schedule an appointment today by calling 208-885-6716. The CTC is located in Mary E. Forney Hall Room 306.

VandalCARE: Report a Concern—

• When a VandalCARE Report is received, the student referred will often meet with one of our Case Managers. These professional staff members are highly trained in the resources available across campus and the community, as well as in mental health, academic skills, and other topics relevant to students. Meetings with them are friendly and caring and designed to help those who are distressed or struggling determine the best resources and plans for them. In addition to working with students, Case Managers are assigned to various departments and academic colleges across campus to provide support, training, and resources to those areas. Find out more about our Case Managers here.