

Principles of Biology 2 Laboratory: Fall 2018  
Basic Information

**BIOL1108 Laboratory sections 001 - 030**

Labs: Meet in either TLS 171 or TLS 91, check your schedule to be sure!

Please note you have **two** section numbers: one for lecture (001 or 020) and one for lab (001 through 031) and **two** HuskyCT sites to match these.

Each lab section has its own Lab Instructor. More info will be given in your first lab meeting. There **IS LAB** the first week of school.

**LAB MANUAL:** Principles of Biology II, Biology 1108 Lab Manual, University of Connecticut, Fall 2018-19 edition.

**Tutoring Hours:** In TLS 89 – schedule posted on the door and on HuskyCT. You may attend any of these tutoring hours for individual help with lab or lecture. You do not need to wait for your specific lab instructor's hours to use this feature of the course.

**Dr. Herrick's office hours:** It is always best to set an appointment but you are most welcome to drop in if my door is open. Of course, I serve on committees and have work-shops/seminars/meetings I attend, so if you want to be certain to see me, send an email with a few fifteen-minute time slots that work for you and I will pick one and set an appointment.

**HuskyCT/Blackboard:** HuskyCT is the online course management software used by the University of Connecticut. To reach our webpage in HuskyCT, log into the website (<https://learn.uconn.edu>), supply your UConn NetID and password. HuskyCT will be used for **all course information and resources**. HuskyCT also will be the only place you will be able to see your grades and course announcements. It is your responsibility to check our HuskyCT site **daily**.

**General Course Description:** Principles of Biology II with lab is a survey of evolutionary processes, ecology, and organismal diversity, form, and function — including fungi, plants, and animals. The overarching themes of the course are the ecological and evolutionary relationships among living things, emphasizing both the unique characteristics that different organisms possess and universal biological principles. The course is divided into three units: 1) Evolution and the Evolution of Life on Earth; 2) Plants and Fungi; 3) Animals and Ecology. Principle of Biology II satisfies a core curriculum requirement for Biology Majors and is designed to provide a foundation for more advanced courses in the Biology Major and related sciences.

Required Assessments, Passing the Course, Lab Policies, Attendance

**Assessments:**

You must take all assessments labeled “exam” in order to complete this course. There are four in lecture and two in lab. If you miss one unexcused, there are no make-ups, please see the Grading and Schedule section below.

### **Grading:**

Grading and Schedule of topics and assignments for lecture and lab: We adhere strictly to the University grading scale to determine your final grade. We do not ‘round up’ or ‘scale’ grades. This means you must reach the FULL points required to move up to any particular letter grade. For example, 77% = C while ALL 76% values = C- (76.8% = C- just as 86.9% = B).

If you are worried about earning enough points to get the final grade you desire, complete all the assignments and work for the class. Evaluate your study techniques and re-adjust as needed, visit tutoring hours, speak to your Lab Instructor, go to Dr. Herrick, and take our advice seriously. Note that you can find out where you stand at any point in the course by looking up your grades in HuskyCT.

**Reminder:** You must pass both portions of the course to be given a passing grade. An F in either the lab or the lecture means an F for the course, regardless of your average. Be sure to watch both grades!

**Absence:** If you will miss an exam, you must supply appropriate, acceptable, documentation of your inability to attend school on the specific day of the exam you missed.

### **Documentation of Exam Absence:**

When you have a documented excused absence an exam, it is your responsibility to make arrangements to take the exam early during the same week for planned absences (sports, funerals, religious holidays, surgeries, etc). The documentation required for such instances is also your responsibility, please be prepared.

**Funerals:** For family deaths you will need an obituary with your name listed as a relative.

**Sponsored events:** For University-sponsored sports or other activities that require a student to be off campus, you must turn in a formal letter (on University letterhead) from the team or organization advisor specifically requesting that you be excused from class on a particular day. This documentation is required one full week prior to the absence. **If you are an athlete and are signed up for a lab section that will interfere with practice or games, please go into student admin and switch out to a lab section that will not conflict with your other obligations.**

**Sick:** For illness/injuries/surgeries, you will need **a dated note from your doctor specifically excusing you from class on the days you missed or will miss.**

**Please note:** visiting the infirmary on campus and obtaining a note that simply says you visited the infirmary on a particular day is NOT proper documentation for missing exams/labs. Most of the time, they are not going to excuse you from going to class/work.

**Contesting a Lab/Exam Grade:** If you feel that there is a problem with the grade received on any assignment/quiz/exam, you must submit a written statement to your Lab Instructor which clearly explains your reasoning for thinking the grade given is incorrect. This must be done within ONE WEEK of receiving the graded work back from your TA or having an exam grade posted in HuskyCT. We have a form for you to use for this.

## Laboratory policies:

**Attendance:** You are expected to attend all labs in the section for which you are registered. Attendance is taken in lab and late arrivers will not be allowed into the lab space. If you have a class conflict, it is your responsibility to resolve it in [StudentAdmin](#) within the Add/Drop period.

**Missed Lab:** It is not logistically possible to make up missed labs even if you are "excused absent". Therefore, **we do not offer make-ups!** If you wish for your missed lab to be "excused" you must file a completed Missed Lab form (which can be found in the Laboratory folder) with the Administrative TA within **two business days** of missing lab. The email for this is [uconnbiol1108@gmail.com](mailto:uconnbiol1108@gmail.com) and be sure to attach your documentation. Documentation requirements are listed above. If you miss more than two labs, excused or unexcused, you will need to drop the course and retake it when you can attend the labs regularly. More than two missed labs will result in a grade of "F" for the lab which means you will fail the entire course.

The lab experience is extremely important to the process of learning science. Most scientific work is done in lab or outside experimental settings. So don't miss lab, not only will it take a heavy toll on your grades, it puts you at risk of failing or having to repeat the course.

However, if you do miss lab, then you miss lab, that is your responsibility. You will also miss the work associated with that lab and all assessment points (pre-lab points plus the lab quiz or worksheet). Each lab is assessed at the same value (17 points total).

- If you miss lab and are due to turn in a worksheet in that lab, it **MUST** be in the hands of your lab instructor before the start of lab, just like everyone else. Otherwise, it will be docked ten percent per day late, beginning at the start of YOUR lab section. Due dates **DO NOT** change based on absence.

- If you miss lab and are supposed to take a quiz on material from the week before, it is YOUR responsibility to be sure that the missed quiz is the one you take when you next meet in lab.

- If you accidentally take a quiz for the lab you missed instead, you will receive a zero on that quiz and a zero on the quiz you were supposed to take from the week before.

- Missing more than two labs, excused or unexcused, **you will fail the course or be asked to drop the course to take it later.**

You are **responsible** for collecting the appropriate information on the lab you missed in order to be prepared for the lab practical exams.

**Remember that you are scheduled to be in lab during the time your lab meets, it is part of your schedule, so you should not schedule yourself for other activities, such as meeting with your advisor or going to the doctor or having lunch with your parents, during your lab section. Part of being a successful student is learning how to manage and prioritize your time properly and we expect you to do so.**

General Policies and Guidelines

### GENERAL POLICIES AND GUIDELINES

**All students are required** to submit the HuskyCT quiz "Course Syllabus and Guidelines Quiz" which concerns our course guidelines, general courtesies expected, and syllabus.

## **University delayed openings, early closings, full day closings:**

In case of all delays/cancellations, we will post an announcement concerning any relevant details.

If the university delays opening until 10:00, all regular morning labs will be run albeit on a shorter schedule. We will adjust as necessary should this happen.

When the university cancels or delays school until after 11:00, we will offer make up lab sessions or exercises as needed.

If the university has an early closing, it is always with the language "...all classes beginning after five p.m..." (or whatever time they use). This means that classes with a meeting time before 17:00 still meet until the scheduled end time, this includes labs.

**When in doubt**, check HuskyCT for announcements! **Do not** rely on word of mouth or what your roommate tells you happened to their sister's best friend's brother's roommate two years ago when they took the class. Check our announcements and if you are still somehow unsure if lab is canceled, go to lab.

## **General societal courtesies expected in our classrooms:**

**Electronics:** Use of electronics in the lab? NO (see the research posted in our information folder) electronics should be out except for the final lab for which you will need your laptop. Your phone should be quieted and put away, your music should be off, your earphones should be in your backpack, and your laptop should be stowed. Use of a phone or laptop to surf the web, take or look at photos, watch videos, email, IM, text, or whatever else, are distracting, disruptive of the work we are doing in the classroom, and disrespectful of your classmates and the instructor. We will call you out publicly for the first offense; at the second offense we will ask you to leave and you will miss the material and have to catch up on your own. Repeated offenses will be dealt with as needed.

**Bottom line:** If you lack the self-restraint to stay on task in class, then leave your electronics at home/dorm. Tell your friends and family your class schedule, during which you will be in class/lab and therefore not available to instantly respond to texts, emails, snaps, etc. Imagine your boss seeing you textinstasnaptweeting during a work meeting....

## **Tardy arrivals/early leave-taking:**

Entering or leaving the classroom once class has begun is disrespectful, distracting and disruptive; do not do it unless absolutely necessary. If you know you will be late, or will have to leave early, you must get speak to and get permission from your lab instructor the week before. If you routinely get up and walk out of lab early, you will be asked to drop the course. The University allows fifteen minutes of passing time and there is no place on campus that a walker cannot reach in fifteen minutes from our building so there is no reason to be late or to leave early.

**Remember that you are scheduled to be in lab during the time your lab meets, it is part of your schedule, so you should not schedule yourself for other activities, such as meeting with your advisor**

or going to the doctor or having lunch with your parents, during your lab section. Part of being a successful student is learning how to manage and prioritize your time properly and we expect you to do so.

### **Academic misconduct:**

**Cheating and Plagiarism will not be tolerated.** Group discussions are great. The more you talk about a topic the better you will understand it. However, all graphs and written assignments **must** be generated/written by you and be **in your own words**. Your assignment should not resemble those of your classmates. Any cheating on assignments will result in a score of zero (0) points for that assignment. Further consequences will be based on the severity of the plagiarism.

Academic misconduct in **any form** is in violation of the University of Connecticut Student Code and will not be tolerated. This includes, but is not limited to, copying or sharing answers on tests or assignments, plagiarism, misuse of clickers and having someone else do your academic work. Depending on the act, a student could receive a failing grade (F) on a particular assignment/test, a failing grade for the course, or be suspended or expelled from the University. The Student Code is available for perusal at the Dean of Students web site: <http://community.uconn.edu/the-student-code/>

*This course expects all students to act in accordance with the Guidelines for Academic Integrity at the University of Connecticut. Because questions of intellectual property are important to the field of this course, we will discuss academic honesty as a topic and not just a policy. If you have questions about academic integrity or intellectual property, you should consult with your instructor. Additionally, consult UConn's [guidelines for academic integrity](#)*

### **Copyrights:**

*My lectures, notes, handouts, laboratory work and displays are protected by state common law and federal copyright law. They are my own original expression and I've recorded them prior or during my lecture in order to ensure that I obtain copyright protection. Students are authorized to take notes in my class; however, this authorization extends only to making one set of notes for your own personal use and no other use. I will inform you as to whether you are authorized to record my lectures at the beginning of each semester. If you are so authorized to record my lectures, you may not copy this recording or any other material, provide copies of either to anyone else, or make a commercial use of them without prior permission from me.*

### **Discrimination, Harassment and Related Interpersonal Violence:**

*The University is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured an atmosphere of mutual respect. All members of the University community are responsible for the maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. In addition, inappropriate amorous relationships can undermine the University's mission when those in positions of authority abuse or appear to abuse their authority. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate amorous relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. Additionally, to protect the campus community, all non-confidential University employees (including faculty) are required to report sexual assaults, intimate*

*partner violence, and/or stalking involving a student that they witness or are told about to the Office of Institutional Equity. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with University officials who can help.* More information is available at [equity.uconn.edu](http://equity.uconn.edu) and [titleix.uconn.edu](http://titleix.uconn.edu)

**Other links of resources for students:**

UConn [Mental Health Services](#)

UConn [Sexual Harassment and Relationship Violence](#)

UConn [Equity, Diversity, Equal Employment Opportunity, and Affirmative Action](#)

If you are unsure of which resource is best for your particular situation, but know that you need some help, please feel free to speak to Dr. Herrick in confidence for some guidance as to who to contact. We have many ways to help students and staff here at UConn and she is happy to help get you in contact with those who are here to help.

Biology 1108: Principles of Biology Laboratory Fall 2018				Points	Running
Week #	Date:	Laboratory Schedule	Graded work	"per"	sum
1	27-Aug	Introductions and Orientation	Pre-Lab 1	2	2
		Ex. 1: Scientific Method	Lab 1 worksheet	15	17
2	03 Sept	Ex. 2: Evolution and Classification	Pre-Lab 2	2	19
			<b>Lab Safety Quiz Deadline!!</b>		19
3	10 Sept	Ex. 3: Population Genetics	Pre-Lab 3	2	21
			Lab Quiz 1: Ex. 2	15	36
4	17 Sept	Ex. 4: Microscopes	Pre-Lab 4 & 5	2	38
		Ex. 5: Cell Types, Greenhouse	Lab Quiz 2: Ex. 3	15	53
5	24 Sept	Ex. 6: Photosynthesis and Leaf Structure	Pre-Lab 6	2	55
			Lab Quiz 3: Ex. 4 & 5	15	70
6	01 Oct	Ex. 7: Plant Development	Pre-Lab 7 & 8	2	72
		Ex. 8: Transpiration	Lab 6 worksheet	15	87
7	08 Oct	<b>Lab Practical Exam 1 (08 Oct)</b>	Lab Practical Exam 1	100	187
		Biodiversity Collections (Bonus Quiz 15 pt)	<b>covering Lab ex. 1 - 8</b>	<b>BONUS</b>	187
8	15 Oct	Ex. 9: Evolution of Plants 1	Pre-Lab 9	2	189
					189
9	22 Oct	Ex. 10: Evolution of Plants 2	Pre-Lab 10	2	191
		Greenhouse Scavenger Hunt	Lab Quiz 4: Ex. 9	15	206
10	29 Oct	Ex. 11: Evolution of Animals 1	Pre-Lab 11	2	208
			Lab Quiz 5: Ex. 10	15	223
11	5-Nov	Ex. 12: Evolution of Animals 2	Pre-Lab 12	2	225
			Lab Quiz 6: Ex. 11	15	240
12	12-Nov	Ex. 13: Behavior	Pre-Lab 13	2	242
			Lab Quiz 7: Ex. 12	15	257
13	19-Nov	<b>BREAK</b>			257
					257
14	26-Nov	Ex. 15: Climate Change	Pre-Lab 15	2	259
			Lab 13 worksheet	15	274
15	3-Dec	<b>Lab Practical Exam 2</b>	Lab Practical Exam 2	100	<b>374</b>
		<b>covering Lab exercises 9-14</b>			