UCONN
UNIVERSITY OF CONNECTICUT

BIOL1102
Foundations of Biology Lecture

Biology 1102 Course Policies / Lecture Syllabus / Exam Schedule on page 3

NOTE: THERE are SEPARATE HUSKYCT PAGES and POLICIES for LECTURE and LAB
Students MUST pass both Lecture/Laboratory with >60% of points to pass entire course.

Course Title: Foundations of Biology (BIOL 1102) **Credits:** 4 **Format:** In-person Lecture
Prerequisites: Not open if passed BIOL 1107, 1108 or 1110. No > 12 credits for Biol courses at the 1000 level.

Lecture Professor: Adam Fry, he | him | his, adam.fry@uconn.edu. **Office: TLS 308.**
Email Lecture Professor, any time! Will try to reply ASAP during normal business hours M-F, 8am-4pm.

Students are REQUIRED to check their UConn email account daily, Monday through Friday, for important Biology 1102 course announcements, updates, or changes to the schedule. After 24 hrs., Students are responsible for knowing ALL content or directions contained in Biology 1102 course emails or that are given during lecture class, even if a student misses the lecture.

CLASSROOM ETIQUETTE: Give Respect, Get Respect: All students MUST have the opportunity to attend Lecture and Laboratory learning environments that are safe and without threat or distraction. **Do not** say or do anything in class that could offend any person in any way. **Think before you speak. Do not come to class late or leave early. Do not use phones or computers during Lecture**, except by prior permission from Instructor.

GENERAL COURSE DESCRIPTION

Major biological principles with emphasis on their importance to Humans and modern society; intended for everyone. **Meets CA 3-LAB requirement (TOI-6).** (https://catalog.uconn.edu/directory-of-courses/course/BIOL)

This class is for everybody, even if you think you can't do Biology. Make the effort to attend classes, study your notes frequently, ask questions if you have them, and we will show you that you can succeed.

There is NO required TEXTBOOK for the Biology 1102 Lecture; however, you MUST purchase a required Laboratory Manual and bring to Lab. Lecture Outlines are provided at the beginning of lecture. **Outlines, lecture presentations, and completed notes are NOT posted online or sent to students who miss class for any reason. Students MUST plan with classmates to acquire missing notes. During Lecture, students write their Lecture Notes on the provided Lecture Outlines, and the completed outlines are the source for all Lecture Exam Questions.**

BIOLOGY 1102 provides intellectual breadth and versatility and investigates issues of general relevance to Human biology. By the end of the semester, students should be able to 1. Understand how science solves problems for everybody 2. Apply knowledge of Human anatomy / physiology to self 3. Attain Environmental Literacy 4. Understand basic Ecology and Evolutionary principles 5. Understand how animal Behavior can be shaped by ecology and natural selection. 6. Identify local/regional Biodiversity.

COURSE GRADING

Students **MUST** pass **BOTH Lecture and Lab with greater than 60% of the available points in each to pass the Full Biology 1102 course. Students are required to take ALL Lecture Exams.**

Course Components	Weight	Available points	Minimum Pts. needed to Pass with a D- (60%)
Lecture	65%	900	540
Laboratory	35%	400	240

There are NO extra credit assignments. Final Letter grades will approximate the following total course percentages. A = 93-100%, A- = 90-92% B+ = 87-89%, B = 83-86%, B- = 80-82% C+ = 77-79%, C = 73-76%, C- = 70-72% D+ = 67-69%, D = 63-66%, D- = 60-62% F = 0-59%

LECTURE EXAMS and GRADING

There are three (3) REQUIRED Lecture Exam Scores. After an Exam closes, it will NOT be reopened for any student for any reason. There are no Makeup Exams. If a student fails to take ANY Exam / Quiz by the due date, they receive a zero score for that assessment; no exceptions.

Students MUST use exact spelling/wording from the completed Lecture Outlines to answer ALL Exam questions; typos CANNOT be corrected.

Three (3) Lecture Unit Exams (see Syllabus page 3 below) covering each Lecture Units and are worth 300-pts. each (900 pts. total). Lecture **Unit exams are NOT cumulative** and are online with open notes format, but the Unit Exams are **timed**, and students are allowed **one** attempt.

One Optional REAL Animal Sounds Exam: An Online Animal Sounds Exam worth bonus points toward your lecture point total. A practice presentation AND practice exam are available all semester long on the HuskyCT lecture page. The **Exam is timed**, and students are allowed **two exam attempts;** the highest score is automatically kept. The exam is open all semester and closes at 5:00 pm, Friday, December 6.

This is how I would study for ALL Lecture Exams… Use some form of Spaced-Repetition Studying.

All Lecture exam questions come from the Lecture Notes so those should be read at least once each day until the Exam. **Read the notes like you read the newspaper, don't *try* to memorize anything on any given day; instead, let the daily repetition of reading your notes accomplish that job for you.**

Time or 'space' between study sessions is VERY important! Sleep is the best 'space' and NAPS work too! Sometimes longer breaks, a few days off, also helps improve your memory when you do come back to your notes. If you cannot read of all your notes in one sitting, no problem! Read some early, then some later, and then, finish the rest in the evening; just get through all your notes at least once each day during each 'awake' period.

Long-term retention is DIRECTLY related to how often you study; it's the frequency that's important, not the duration. Think about that difference! Cramming sometimes works for short-term retention, but it doesn't work at all for long-term retention because there is no space when you cram, only the repetition, and repetition by itself provides minimal return on the time you already invest preparing for a test.

Example Student Final Course Grade Calculation:

Lecture Assessment	Example Student Points Earned	Total Points Available
Exam 1	245	300
Exam 2	264	300
Exam 3 (Final Exam)	285	300
Optional Animal Sounds Exam (Bonus pts. only)	34	-
Total	828	900
Divide points Earned by points Available x 100	Final Lecture Percentage	92

Lab	Student points Earned	Total points Available
	377	400
Divide points Earned by points Available x 100	Final Lab Percentage	94.25

	Lecture	Lab	Final number	Final Letter grade
Final Grade Calculation:	(92 x 0.65) +	(95 x 0.35)	= 93	= A

Set reasonable goals. Aim high. If you must earn a B in this course to maintain honors status, get into the business school, maintain your GPA, get yourself off academic probation, etc., then do not aim for a D, aim two grades higher (B); that way, if you make mistakes or have difficulties, you will still have some chance of getting the grade you need. **Better to over-prepare than under-prepare!**

Lecture / Lab Syllabus Fall 2024.

Lec	Day	Date	Topic	Weekly Lab Topic
L1	M	26 Aug	Solar System / Biosphere / Time	Intro. Safety / Lab Policies
2	W	28 Aug	Science	
3	F	30 Aug	Basic Chemistry	
-	M	2 Sept.	No Lecture or Labs---Labor Day	1. Microscopy
4	W	4 Sept	Biological Molecules	
5	F	6 Sept	Domains of Life	
6	M	9 Sept	How Cells Function	2. DNA Tech. and Forensics
7	W	11 Sept	DNA / Cell Cycle	
8	F	13 Sept	Cancer	
9	M	16 Sept	Reproduction 1	3. Reproduction
10	W	18 Sept	Reproduction 2 / Development / Aging	
11	F	20 Sept	Mendelian Genetics	
12	M	23 Sept	Evolution 1	4. Genetics
13	W	25 Sept	Evolution 2	
-	F	27 Sept	Unit 1 Exam (covers lectures L1- 13)	
14	M	30 Sept	DNA / Protein Evolution	5. Evolution
15	W	2 Oct	Evolutionary Trees	
16	F	4 Oct	Speciation / Extinction	
17	M	7 Oct	Human Evolution	6. Animal Diversity
18	W	9 Oct	Behavioral Ecology	
19	F	11 Oct	Plant Biology / Photosynthesis	
20	M	14 Oct	Homeostasis	7. Plant Diversity
21	W	16 Oct	Hormones / Diabetes	
22	F	18 Oct	Circulation / Heart Disease	
23	M	21 Oct	Ventilation / Respiration	8. Cardiovascular System
24	W	23 Oct	Energy Metabolism	
-	F	25 Oct	Unit 2 Exam (covers lectures 14- 24)	
25	M	28 Oct	Skeleton/ Muscles	9. Muscle Struct. / Exercise Physiol.
26	W	30 Oct	Pathogens / Foodborne Illness 1	
27	F	1 Nov	Pathogens / Foodborne Illness 2	
28	M	4 Nov	Immune System 1	10. Sensory Perception
29	W	6 Nov	Immune system 2	
30	F	8 Nov	Nervous System 1	
31	M	11 Nov	Nervous System 2	11. Diet Analysis
32	W	13 Nov	Addiction	
33	F	15 Nov	Intro. Vertebrate Diversity	
34	M	18 Nov	Mammals and Primates	12. Field Ecology
35	W	20 Nov	Energy / Biogeochemical Cycles	
36	F	22 Nov	Population Biology / Life History	
-	Su-Sa	24-30 Nov	No classes THX Break	
37	M	2 Dec	Ecology / Community Ecology	13. Environmental Biology
38	W	4 Dec	Environmental Literacy / Conservation / Dogs	
-	F	6 Dec	TBA	5:00 pm optional sounds exam due
-	TBA	TBA	Final Exam (Exam 3) covers Lectures 25-39 only	Online during Finals Week

A WARNING ABOUT CHEATING IN LECTURE OR LAB: Zero-tolerance policy for cheating in Biology 1102. Do NOT copy any answers, parts of answers, of any kind from any current or former Biology 1102 student. All answers on All assignments MUST be in the student's OWN words and represent the student's OWN original work created during the current semester of enrollment. **Note: NO TALKING during any exams/quizzes. No helpers or electronic devices allowed during online or in-person assessments. If any of these things are seen or heard by the instructor/TA or proctors DURING an Exam/Quiz in Lecture or Lab, the student automatically gets an F grade. You WILL lose points on the online exams if you don't follow the exam directions exactly (e.g., environment check, sound on). https://policy.uconn.edu/2023/07/11/academic-scholarly-and-professional-integrity-and-misconduct-aspim-policy-on/**

Copyright assertion: Biology 1102 Lecture Notes, Handouts, Homework, Assignments, and Displays are protected by state common law and federal copyright law. Biology 1102 course resources are the original expressions of their authors and have been recorded to ensure copyright protection is obtained. Students registered for Biology 1102 are allowed to use these copyrighted course resources for one-time, personal use only. No person shall make a commercial use of, share, upload, distribute, copy, or provide copies to anyone else (except between classmates) or to any website, without prior written permission from Dr. Fry. All Biology 1102 course content is copyright protected.

Students with Disabilities

The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. Students who require accommodations must contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or http://csd.uconn.edu/. Accommodations must be set up for each class the student takes.

Blackboard measures and evaluates accessibility using two sets of standards: the WCAG 2.0 standards issued by the World Wide Web Consortium (W3C) and Section 508 of the Rehabilitation Act issued in the United States federal government." (March 24, 2013 from Blackboard's website). Although biology 1102 staff are notified of accommodations from the Center for Students with Disabilities, it is the student's responsibility to schedule course assessments with the CSD in advance and according to their timeline; accommodations cannot be made retroactively.

Resources for Students Experiencing Distress

The University of Connecticut is committed to supporting students in their mental health, their psychological and social well-being, and their connection to their academic experience and overall wellness. The University believes that academic, personal, and professional development can flourish only when each member of our community is assured equitable access to mental health services. The University aims to make access to mental health attainable while fostering a community reflecting equity and diversity and understands that good mental health may lead to personal and professional growth, greater self-awareness, increased social engagement, enhanced academic success, and campus and community involvement.

Students who feel they may benefit from speaking with a mental health professional can find support and resources through the **Student Health and Wellness-Mental Health** (SHaW-MH) office. Through SHaW-MH, students can make an appointment with a mental health professional and engage in confidential conversations or seek recommendations or referrals for any mental health concern. Mental health services are included as part of the University's student health insurance plan and partially funded through University fees. If you do not have UConn's student health insurance plan, most major insurance plans are also accepted. Students can visit the **Student Health and Wellness-Mental Health located in Storrs on the main campus in the Arjona Building, 4th Floor,** or contact the office at **(860) 486-4705, or https://studenthealth.uconn.edu/** for services or questions**.** Additional links that might be helpful: Dean of Students Office, Academic Achievement Center, Writing Center, Q Center, Center for Students with Disabilities, Title IX Office, Student Health and Wellness -- Mental Health

Accommodations for Illness or Extended Absences

If illness prevents you from attending many classes, it is your responsibility to notify your instructor as soon as possible. Depending on the length of absence, students may be required to provide some verification, usually from Dean of Student's (DOS) office. Students can email the Dean of Students at dos@uconn.edu to request support. Regional campus students should email the Student Services staff at their home campus to request support and faculty notification.

Student Responsibilities and Resources

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. Review these important standards, policies and resources, which include:

Minimum Technical Skills

- Use electronic email with attachments.
- Save files in commonly used word processing program formats.
- Copy and paste text, graphics or hyperlinks.
- Open and access PDF files.

For information on managing your privacy at the University of Connecticut, visit the University's Privacy page.

This course requires LockDown Browser for Lab / Lecture assessments and uses webcam for some online Exams.

Download and install LockDown Browser from this link:

https://download.respondus.com/lockdown/download.php?id=856213959

Technical Help

Technical and Academic Help provides a guide to technical and academic assistance. This course uses the learning management platform, HuskyCT. If you have difficulty accessing HuskyCT, you have access to the in person/live person support options available during regular business hours through the Help Center. You also have 24x7 Course Support including access to live chat, phone, and support documents. Student technology training is now available in a new HuskyCT short course created by students for students. It will prepare you to use the IT systems and services that you will use during your time at UConn whether learning online or on-campus. It is available at https://lms.uconn.edu/ultra/courses/_80016_1/cl/outline.

If you have problems with Duo 2-factor authentication (e.g., lost phone, broken computer, etc.)**?**

Go here: https://kb.uconn.edu/space/IKB/10748724267/Get+an+Alternative+Passcode+for+Forgotten%2FLost+Devices

Or

Call the ITS Technology Support Center at **(860) 486-HELP** or **(860)-486-4357** during business hours.