

Biology 102: Lab Syllabus – Spring 2018

Week of:	Exercise	page	Assignment Due
Jan. 16-19	Ex. 1 - Laboratory Safety/Expectations and Honor Statement / Voyage to the Galapagos	I, iii, 1	
Jan. 23-26	Ex. 2 - Foraging	3	Galapagos ws (12 pts)
Jan. 30-Feb. 2	Ex. 3 – Variation and Classification - Introduction to Mollusks	13	Foraging ws (12 pts)
Feb. 6-9	Ex. 4 – Protists	29	Variation ws (12 pts) + Protist prst (10)
Feb. 13-16	Ex. 5 – Flatworms, Roundworms and Human Parasites	43	Protist ws (12 pts) + Worms prst (10)
Feb. 20-23	Ex. 6 – Plant Diversity	61	Worms worksheet (12 pts)
Feb. 27-Mar. 2	Ex. 7 – Hominid Evolution	81	Plant ws (12 pts)
Mar. 6-9	Ex. 8 – Keystone Predator	99	Hominids lab work (12 pts) + Hominids ws (12 pts) + Worm regeneration summary (12 pts)
Mar. 13-16	NO LABS – SPRING BREAK – March 12-16		
Mar. 20-23	Ex. 9 – Coral Reefs	119	Keystone lab work (12 pts) + Coral reefs prst (10 pts)
Mar. 27-30	NO LABS – SPRING RECESS – March 30		
April 3-6	Ex. 10 – Invasive Species & Biological Controls	129	Coral reefs ws (12 pts)
April 10-13	Ex. 11 – Bird Diversity	137	2-page typed Invasives Summary (20 pts)
April 17-20	Ex. 12 – Forest Types- Tree Identification	145	Bird ws (12 pts) + Forests lab work (12 pts)

KEY: ws = worksheet, prst = presentation

If you have questions or problems related to the laboratory portion of the course, including drop/add requests, please contact Dr. Brewton, General Biology Program Coordinator, at 974-3354 or rbrewton@utk.edu

COURSE POLICIES: BIOLOGY 102

1. PURPOSE OF BIOLOGY LABS: Laboratory exercises are opportunities to explore topics and issues that are common to all lecture classes in a small class environment where you can interact with your classmates to a greater degree than is typically possible in lecture. In lab, we have the luxury of a two-hour block of time during which you can gain experience asking and exploring questions relevant to modern biology. Applying yourselves in lab will help you master the material that will also appear in lecture exams. While lab exercises are not designed to automatically improve your lecture grade (lab grades are not gimme points), students who take lab seriously typically perform better on lecture exams and other assessments.

2. ATTENDANCE: LABORATORY ATTENDANCE IS MANDATORY AND IS A CRUCIAL COMPONENT OF BIOLOGY 102. In general, it is not possible to make up labs. It is physically impossible to reset labs on an individual basis to allow students to make up labs - even if the missed lab was for a seemingly legitimate reason (illness, flat tire, etc.). There are extra points in the grading scheme and lab assignments can be turned in for partial points to make up for a missed lab.

Please let your TA know if the absence is due to something like a death in the family. We will try and make accommodations, but that might not be feasible. If you need to miss lab because of a University-sponsored event, military service, or jury duty, you must notify your lab instructor a minimum of **one week** before the absence and we will try to arrange an alternative time during the week of the absence to attend lab. **You may not attend a different lab section without prior approval.**

All worksheets must be TYPED using the editable 'Word' files that can be found on your course Canvas site. Handwritten homework assignments will NOT be accepted. All worksheets must be printed PRIOR to coming to your lab period. The printers in the labs are available for the lab activities for that particular lab period, but **there are no public printing facilities in Strong Hall.** Take responsibility for printing your assignments prior to coming to lab.

You may turn in the worksheet for a missed lab the following week for partial credit (9/12 pts). Lab assignments are due at the beginning of lab the week immediately following a particular lab exercise. Lab assignments turned in late will be assessed a penalty of **25% (3 pts) per day**. If you miss a lab, you may email the worksheet to your lab instructor or bring the worksheet by the General Biology Office, 241 Strong Hall. We will time stamp your paper and place it in your lab instructor's mail folder.

Arrive on time, be prepared for class, and **turn off your cell phone**. Points comparable to the late penalty will be deducted from class assignments for persistent tardiness, and cell phone use.

3. ACADEMIC DISHONESTY: Students found cheating will receive zero credit for the assignment. The student will be subject to an "F" for the course, and the matter may be referred to the Office of Student Conduct for further action. Students should refer to *Hilltopics* for

University policies and procedures regarding these matters. **Please note: Even though you work in groups, library assignments, outside assignments, and worksheets are to be completed by you alone. Unauthorized assistance with any written exercise is considered cheating and you are subject to the policies above.**

Plagiarism is cheating, will be treated as a violation of the University Honor Statement. Copying material from other students or from the Internet is plagiarism!

4. SAFETY: There will be **no food, drink or tobacco products in the laboratory.** **No opened-toed shoes** can be worn during lab.

Your Right To Know:

Tennessee Law requires that you are provided notice that some of the laboratory exercises involve contact with chemicals which have been identified with potential health hazards. These chemicals include, but are not limited to: alcohols, acids and bases. While every effort has been made to make the materials as safe as possible, these chemicals are toxic and you must be responsible for their safe handling. If you feel you may be at a higher risk than normal, if pregnant for example, we recommend you consult your physician before taking this course.

5. GRADING:

Worksheets/lab manual work (13 x 12 pts/)	-----	156 pts
Lab group presentations, (3 x 10 pts each)	-----	30 pts
Introduced Species paper	-----	<u>20 pts</u>
Subtotal		206 pts

The Final lab grade will be out of a maximum of 200 pts

* The value and nature of assignments may be adjusted during the semester as appropriate.

AVOIDING PLAGIARISM

You will be required to complete a variety of written assignments in Biology 102. These assignments are designed to assess your level of understanding of a wide range of biological concepts and problems. You are required to do your own work and to treat each written assignment as a legitimate work of scholarship. All students at the University of Tennessee, Knoxville, must take full responsibility for their work, to know what plagiarism is and avoid it at all costs.

What is plagiarism?

Plagiarism is intellectual theft. An act of plagiarism has occurred anytime someone uses the work of another person without giving due credit. If you use the exact words of another person, you must place the text in quotation marks and provide a full citation of the source. You must also provide citations when you use someone else's work or ideas, even though you have paraphrased and reorganized that work so that it is now partially in your own words.

Committing an act of plagiarism is a violation of the University Honor Code and can result in a grade of 'F' for the assignment, for the laboratory portion of Biology 101/102, and even for the course as a whole. The General Biology Program deals with each case of potential plagiarism on a case-by-case basis, but we reserve the right to refer cases of plagiarism (cheating/academic dishonesty) and other violations of the University Honor Code to the Office of Student Conduct for further action that can include dismissal from the University.

Examples of plagiarism/academic dishonesty include copying the work of another student and presenting it as your own, or cutting and pasting information from an internet or other source without listing a full citation.

Why is plagiarism such a big deal?

When you plagiarize, you cheat yourself. Learning how to communicate complex ideas is a critical skill for your future professional development. We all need to have a basic understanding of history, economics, math, biology, etc, so that we can make informed decisions as intellectually engaged adults. You can only learn to communicate better by practice. The feedback you receive from your lecture and laboratory instructors will help you hone your communication skills.

Plagiarism is misleading. When you plagiarize some else's work, you give the false impression that you have achieved a higher level of academic achievement. When you applied to the University of Tennessee, you signed the University Honor Statement and pledged your personal commitment to honor and integrity.

Plagiarism devalues the work of the student who created the original work. By using the work of others and representing it as your own, you take unfair advantage over your classmates who are doing their own work.

The reputation of UT Knoxville contributes to the value of your undergraduate degree. Widespread student dishonesty hurts UTK.