

Biology 101 Fall 2019 Schedule

| | Weekly Reading | Monday | Wednesday | Friday (LAB) |
|-------------|---|--|--|---|
| Week 1 | Read for Wednesday Ch. 1, 21-21.2 | Sep 30 Intro to life on Earth & The Nature of Science | Oct 2 Climate Change & Threats to Biodiversity | Oct 4 Lab #1: Climate Change Due: Pre-lab #1 |
| Week 2 | Read for Monday Ch. 19-19.3 | Oct 7 Population Ecology Reading Quiz #1 Due: Homework #1 | Oct 9 Populations, cont. Community Interactions Due: Homework #2 | Oct 11 Lab #2: Population Dynamics Due: Lab #1, Pre-lab #2 |
| Week 3 | Read for Monday Ch.19.4, 20-20.1, 5.1 | Oct 14 Community Ecology Reading Quiz #2 | Oct 16 Food Webs & Energy Flow Due: Homework #3 | Oct 18 Lab #3: Community Ecology Due: Lab #2, Pre-lab #3 |
| Week 4 | Read for Wednesday Ch. 20.2 | Oct 21 Midterm #1 (Chs. 1, 21, 19, 5.1, 20-20.1) Due: Homework #4 (Online Review) | Oct 23 Biogeochemical Cycles Reading Quiz #3 | Oct 25 Lab #4: Nutrient Pollution Due: Lab #3, Pre-lab #4 |
| Week 5 | Read for Monday Ch. 11 Read for Wednesday Ch.12 and 13.1 | Oct 28 Natural Selection & Diversity of Life Due: Homework #5 | Oct 30 Diversity of Life & Bacteria Reading Quiz #4 | Nov 1 Labs #5: Bacteria Due: Lab #4, Pre-lab #5 |
| Week 6 | Read for Wednesday Ch. 13.2- 13.4 | Nov 4 Protists & Lab Results Reading Quiz #5 | Nov 6 Fungi Due: Homework #6 | Nov 8 Lab #6: Protists and Fungi Due: Lab #5, Pre-lab #6 |
| Week 7 | Read for Wednesday Ch. 14 all, 5.1 | Nov 11 NO CLASS VETERAN'S DAY | Nov 13 Diversity of Plants Reading Quiz #6 | Nov 15 Lab #7: Plants Due: Lab #6, Pre-lab #7 |
| Week 8 | Read for Wednesday Ch. 15-15.4 | Nov 18 Midterm #2 (Chs. 20.2, 11, 13) Due: Homework #7 (Online Review) | Nov 20 Intro to Animals Invertebrates Due: Homework #8 | Nov 22 Lab #8: Invertebrates Due: Lab #7, Pre-lab #8 |
| Week 9 | Read for Monday Ch. 15.5-15.6 | Nov 25 Arthropods Reading Quiz #7 | Nov 27 TBD: Lab #9: Arthropods Due: Lab #8, Pre-Lab #9 | Nov 29 NO CLASS THANKSGIVING |
| Week 10 | Read for Monday Ch. 15.6 Read for Wednesday 21.3 | Dec 2 Vertebrates Reading Quiz #8 | Dec 4 Vertebrates, cont. Preserving Biodiversity | Dec 6 Lab #10: Vertebrates Due: Lab #9 & #10 |
| Finals Week | | Dec 9 FINAL EXAM 8:00 am CRN: 20419 (8:30 am class) | Dec 11 FINAL EXAM 8:00 am CRN: 20600 (10:00 am class) | **Schedule is subject to change** You will be notified in class and by email when changes occur. |

Biology 101 General Biology – Fall 2019

CRN 20419 and CRN 20600

General Information

Instructor Information

Heidi Herring
herrinh@linnbenton.edu
Office number: WOH 220
Office hours: Monday 12:00-1:00 pm
(or by appointment)

Course Information

CRN 20419

Lecture: Mon, Wed 8:30-9:50 am WOH 218
Lab: Friday 8:00-9:50 am WOH 218

CRN 20600

Lecture: Mon, Wed 10:00-11:20 am WOH 218
Lab: Friday 10:00-11:50 am WOH 218

Course Description

Biology 101 is an introduction to ecology, diversity of life, and environmental issues. The course is designed to help non-science majors, or those not yet decided on a major, discover and appreciate the workings of biology.

Student Learning Outcomes

1. Be able to discuss biological community interactions.
2. Be able to explain how changes in human population and /or actions impact natural ecosystems.
3. Be able to describe the movement of energy & nutrients through trophic levels.
4. Recognize the appropriate taxonomic level of an organism based on key characteristics or traits.

Course Materials

- **Concepts of Biology- [OpenStax](https://openstax.org/details/books/concepts-biology)** textbook
Available FREE online at: <https://openstax.org/details/books/concepts-biology>
or purchase at Campus Bookstore \$29 or on iBooks for \$4.99 (actual prices may vary)
- **BI 101 General Biology Lab Packet:** Purchase at bookstore.
- **One Green Book:** Purchase at bookstore.
- **Three ScanTron Sheets:** You will need a ScanTron sheet for each exam. Purchase at bookstore.

Class Policies

Grading

Evaluation of student learning outcomes will be based on individual performance on homework, labs, quizzes, and exams.

Primary Teaching Methods

Lectures, in-class activities, textbook and lab assignments are the primary sources of information for this course. Students are responsible for reading the required chapters in preparation for that day's lecture. Questions on quizzes and exams will be formulated using reading assignments, lecture notes and in-class activities. Power point slides will be available for download and review on Moodle after the lecture.

Lab Assignments

Labs provide hands-on experience requiring students to make critical thinking decisions that may influence the outcome of the lab. Students are also required to analyze and interpret data. Students are required to attend at least 60% of the labs to pass the course**. Labs may not be made up if missed (you may not attend another section's lab). **Pre-laboratory assignments are due at the beginning of each lab and are worth 1/4 of your lab grade.** The pre-labs are usually the first one or two pages of each lab in the lab packet. You will be responsible for the material from all labs on the exams. *****If you miss more than 4 labs, you will fail this course regardless of academic standing.*****

Reading Guides (Homework Assignments) and Article Review

Reading guides will be given to better help you understand the material presented in the text. **You may use your completed reading guide during each reading quiz and you will turn it in after the quiz for credit.** Reading guides will serve as homework assignments and one article review assignment will be given during the course the term.

Quizzes

There will be 8 reading quizzes, which will test you on the information given in the text. You will be given 10 minutes at the beginning of class for taking the quiz. **You may use your reading guide while taking the quiz! *Lowest quiz score will be dropped.*** If you need to miss a quiz, contact me for a make-up quiz. Make sure you come to class on time, as if you are tardy, you may miss the quiz!

In-class Activities and Reflections

We will be doing several graded in-class activities and written reflections throughout the term. It is important that you come to class so you do not miss out on activities and points!

Exams

Two one-hour midterm exams will be given during regularly scheduled lecture times. Midterms are worth 100 points each. The final exam will be cumulative covering all material throughout the term and your score will represent your mastery of the subject matter. The Final Exam is worth 150 points.

Make-Up Exams and Late Work

It is very important that quizzes and exams be taken on time. **All excused midterms or quizzes can be made up with no penalty within three days or by appointment.** Make up exams and quizzes will be taken in the Student Assessment Office, RCH – 111 or at office hours. Late homework, lab assignments will be accepted for a 50% reduction in points. If you miss a quiz or assignment, please see me!

Grading

All grading is based upon mastery of the subject matter of this course. Points towards your final grade will be awarded as follows. Assignments and point totals may change:

| Graded Assignments | # of Points Possible | % of Final Grade | Grading Scheme |
|--|----------------------|------------------|--|
| 10 labs @ 10 pts each (drop lowest) | 90 | 16% | 90 – 100% = A 80 – 89% = B 70 – 79% = C 60 – 69% = D 59.9% and below = F |
| Article Review | 10 | 2% | |
| 8 Homeworks @ 5 pts each (drop lowest) | 35 | 6% | |
| 8 Quizzes @ 10 pts each (drop lowest) | 70 | 12% | |
| 7 In-Class Activities @ 2 pts each | 14 | 2% | |
| 2 Midterms @ 100 pts each | 200 | 35% | |
| 1 Final Comprehensive Exam @150 pts | 150 | 26% | |
| Total | 569 | 100% | |

Behavior and Expectations

Student Behavior

Students are required and expected to attend all lectures and labs. **Please contact me if you know you will be missing class or if you are sick and cannot come at the last minute. We will make a plan to make sure you make up missed work including quizzes and homework.** If a student misses class, it is that student's responsibility to determine material missed, obtain handouts, make-up assignments (when possible), and to keep track of upcoming assignments and due dates.

Guidelines for communication

My primary communication method with you is through your **Linn-Benton email address** and our **Moodle class page**. Please make sure you have access to your Linn-Benton email address.

Cell Phone and Laptop Usage

Cell phone and laptops are discouraged in class. If you have to make an important call or text, please step out of the classroom. Please silence your phones (no vibrations) so they do not become a distraction to you or others. The instructor reserves the right to limit laptop and cell phone use in class if it becomes a distraction.

Academic Integrity

Academic dishonesty is defined as an intentional act of deception in which a student seeks to claim credit for the work or effort of another person or uses unauthorized materials or fabricated information in any academic work. It includes cheating, fabrication, tampering, plagiarism, or assisting another student to commit these acts of academic dishonesty. Academic dishonesty will not be tolerated and will result in a grade of zero on the assignment or exam. You are held accountable to the [Student Code of Conduct](#), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct. For some examples of how to maintain academic integrity, see: http://www.hks.harvard.edu/degrees/registrar/procedures/integrity#heading_03.

College Policies

LBCC Email and Course Communications

You are responsible for all communications sent via Moodle and to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College.

Disability and Access Statement

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in this class, please talk to your instructor as soon as possible to discuss your needs. You should meet with your instructor during the first week of class if:

1. you have a documented disability and need accommodations,
2. your instructor needs to know medical information about you, or
3. you need special arrangements in the event of an emergency.

If you have documented your disability, remember that you must make your request for accommodations through the Center for Accessibility Resources Online Services web page every term in order to receive accommodations. If you believe you may need accommodations, but are not yet registered with CFAR, please go to <http://linnbenton.edu/cfar> for steps on how to apply for services or call 541-917-4789.

Statement of Non-discrimination

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, gender, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information: <http://po.linnbenton.edu/BPsandARs/>

Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.