

BI 103 General Biology

Winter 2019, CRN: 32602

Instructor: Rachel Glaeser

Tuesday (Lecture): WOH-205, 2:30pm-4:50pm

Email: glaeser@linnbenton.edu

Thursday (Lab): WOH-205, 2:30pm-4:50pm

Office Hours: WOH 220, Thurs: 1:30-2:30pm or email me to make an appointment

Class Description: Welcome to Biology 103! This class is a 4-credit, introductory-level course with no prerequisites. This class is intended for non-majors and those students who are undecided about continuing with higher-level biology. Through lecture activities and hands-on labs, we will learn about basic plant and animal anatomy/physiology in the context of discovering the fascinating ways that organisms are adapted to meet the challenges of living.

Course Outcomes: Upon successful completion of this course, students will be able to:

1. List ways that organisms communicate and respond to the environment.
2. Explain the ways that organisms acquire and use nutrients.
3. Explain the role of transport in organisms.
4. Relate an organism's structure (form) to its function.

Required Materials:

1) **Biology**- OpenStax textbook. (has a green cover)

Available FREE online and as a PDF at: <https://openstax.org/details/books/biology>
or for purchase online or at the bookstore.

2) Access to the course website, **Moodle**, for course materials/assignments, the syllabus, lecture slides, grades, discussion articles, etc.

3) **BI 103 Plant and Animal Systems version Lab Packet**. ****Important!**** Make sure to get the **correct lab packet** for this class (PLANT & ANIMAL).(available at the bookstore)

Grading: (462 pts total)

**In-Class Activities:	(8pts x9) 72 pts	A	90-100%
**Prelabs/Labs:	(10pts x9) 90 pts	B	80-89.9%
Exams:	(100pts x3) 300 pts	C	70-79.9%
		D	60-69.9%
		F	< 60%

****lowest score is dropped for starred activities, total points reflects this adjustment**

In-Class Activities (16%): During lecture, we will have various active learning assignments to apply basic concepts to real-world topics. These activities will be done in class and you will be expected to actively participate. Your lowest score will be dropped. **(8 pts each week)**

Prelabs/Labs (19%): Labs are a critical component for the learning processes in any science class. They 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. Therefore, because it is imperative for students to come prepared each lab period. **Pre-lab assignments are to be turned in at the beginning of each lab.** The pre-labs are usually the first one or two pages of each lab in the lab packet. **The rest of each lab is due the following Tuesday after the lab is completed.** Your lowest lab will be dropped. You will be responsible for the material from all labs on the exams. *****You are required to ATTEND AT LEAST 6 of the labs to pass the class.*** (10 pts each)**

Exams (65%): Test 1 covers weeks 1-3 **(100 pts)**. Test 2 covers week 4-7 **(100 pts)**. The final exam is comprehensive **(100 pts)**. Exams include multiple choice, fill in the blank, matching, and short answer questions and are based on lectures, readings, labs, and in-class activities. Once exams are returned to the class they cannot be made up. Let me know early if you can't attend an exam – I will work with you to set up a make-up time.

Extra credit: You may turn in a 1/2 page, HANDWRITTEN (typed or emailed reports will not be accepted) review of a newspaper or science magazine article dealing with some aspect of biology. You may turn in **up to four** of these reviews at a point value of 3 each (total possible = 12 points). I will only accept one review per week. In order to receive full credit, you must properly reference the article (Include author's name, article title, publication name and date). **These will be accepted up until the last class day of the term (March 14th).**

Policies

Expectations: Students are most successful when they ask questions, actively participate in class, and complete assignments. The more effort that you put in, the more you will get out of this class. As an instructor, I believe that science should be accessible for all learners. While I understand that many people may not love science or seek to pursue it as a career, I aim to make the subject matter understandable, relevant, and useful for any student in my class. With this in mind I encourage students to be inquisitive and actively participate in the learning process. I am here to support you so please contact me or see me during office hours with any questions/concerns you may have.

Class Participation/Attendance: Please silence your cell phone and refrain from texting during class. Missing class will greatly decrease your chances for success. If you are absent, it is your responsibility to get copies of any handouts from another student or from me. Please do not schedule routine doctor or dental appointments during class time. You are expected to be on time for the start of lectures and labs, as I will begin classes promptly at the designated time. It is also helpful to sit towards the front of the lecture room, as students who sit in the back few rows of seats are more easily distracted. As a courtesy to the instructor and other students, all cellular phones, pagers, watch alarms and other noise making devices must be turned silenced during class. Attendance during lab is required and students must follow proper safety protocols. Students not present during their first scheduled class meeting will be dropped from the course to make room for other students trying to enroll.

Make Ups/Late Assignments: Pre-Labs are due at the beginning of the lab class and **cannot be turned in late**. The rest of the lab assignment may be turned in up to one week late with a point deduction. Missed in-class assignments, quizzes, and labs cannot be made up. **Your lowest homework and lab scores will be dropped**. If you miss an exam, contact me as soon as possible to schedule a makeup time. There are no make-ups after the exam is returned.

Grade Dispute Policy: To dispute an assignment grade, submit the following **in writing** (a hard copy) **no later than one week** after receiving your grade: 1) the requested correction, 2) a valid reason for that correction, 3) and a copy of the disputed material. After one week has passed, requests will not be accepted. Requests either by email or verbally will not receive a reply. I will promptly address all written requests within a week.

Course Withdrawal Policy: To drop a class or withdraw from school, you may turn in a Schedule Change form at the Registration Counter or use the Webrunner system. If you withdraw from a course after the refund deadline, you will receive a "W" grade in the class, you will forfeit all claims to refunds, and you will be financially responsible for any tuition and fees. The last day to drop a class and receive a tuition refund is Monday of the 2nd week. The last day to withdraw (no refund) is last day of week 7. **Academic deadlines:** (<https://www.linnbenton.edu/academiccalendar>).

Incomplete Grade: Incomplete grade (IN) will only be considered if a student has talked to me in advance, and a signed agreement between the student and myself is completed. IN grade are assigned only if the student has a good reason for making the request, has only a minor portion of coursework to complete, and has scored a C or better on work that has been submitted.

Academic Integrity: This class is highly collaborative; however, there are expectations for individual work. If it is ever unclear when you are allowed to collaborate, please ask. Any cheating, plagiarism, etc., may result in a zero for the assignment, failing grade, and possible recommendation to the administration for further consequences.

Special accommodations: 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.**
- 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 (CFAR), located in RCH room 105. Use the Online Services webpage (<https://cascade.accessiblelearning.com/LBCC/>) every term in order to receive accommodations. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR Website (<https://www.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, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules. Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: linnbenton-advocate.symplicity.com/public-report.

Statement of Respect: Your instructor will make every attempt to create an environment free of distraction and one open to free discourse. The college environment is one of exploring ideas, but also in a context of mutual respect for your peers and instructors. If a pattern of disrespect develops the instructor reserves the right to discuss appropriate behavioral expectations with individuals who may not fully understand this responsibility. At no time will a hostile or condescending classroom environment or discussion be permitted.

HELPFUL HINTS FOR SUCCESS:

1. If you are having trouble, and you fear you will not achieve an adequate grade, SEE ME EARLY, get help, and do so regularly throughout the term. That will give you time to learn in an authentic way (which is the goal of a college education). I will gladly help in any way that I am able. If you need additional assistance, set up a meeting or send your questions to me via email.
2. Attend ALL class sessions.
3. Keep a schedule of when assignments are due and do not put off getting them done.
4. Keep up with the reading assignments. Come to class prepared by having any assigned reading done beforehand. BRING QUESTIONS ABOUT THE READING TO CLASS! Studying is not the same as reading. Read course materials. Don't put studying off to the night before an exam. Your brain needs time to absorb and retain the abundance of information presented in this class.
5. Learn how you learn. Every person learns in different ways. Find out what works best for you and use the method to your advantage. I highly recommend forming study groups!!! Also, create mock test questions, use concept maps, make note outlines, and rewrite your notes to organize complex information and learn new terminology.

Support Services Available

Library: The LBCC Library is the main library on campus and offers students many helpful resources. Please see <http://library.linnbenton.edu/home> for more information.

Tutoring / Writing Center: LBCC has free tutoring services for a variety of academic disciplines in the Learning Center (2nd floor of Willamette Hall, <https://www.linnbenton.edu/learning-center>). You can find information about tutoring services at <https://www.linnbenton.edu/tutoring-center>.

Security and Emergency Awareness: Campus security can be reached at 541-917-4440. For more information and for what to do in the event of an emergency at LBCC please see <https://www.linnbenton.edu/public-safety>.

****WINTER WEATHER** Inclement Weather Policy**

If the campus is open class will be given (including lab days) and scheduled exams/quizzes will be administered. Only if the campus is closed will an exam be postponed, and this will occur on the next scheduled lecture class date following the closure. If a late start is announced classes will resume on their usual scheduled times. Please listen to local media coverage for notice of closures such as T.V. & radio stations, and the LBCC website.

Tentative Schedule, BI 103

WOH 205, Lecture: Tues 2:30-4:50pm; Lab: Th 2:30-4:50pm

Rachel Glaeser, Office: WOH 220

glaeser@linnbenton.edu

	Lecture (Tuesday)	Lab (Thursday)
Week 1 Jan 7– Jan 13	Biology Intro (1.2) Plant Parts Overview (30.1-30.4)	Lab 1 Plant Tissue and Morphology (pgs 1-6)
Week 2 Jan 14 – Jan 20	Plant Nutrition and Transport (30.5,31.1,31.3) The Process of Science (1.1)	Lab 2 Water Movement/Stomata (pgs 7-11)
Week 3 Jan 21- Jan 27	Plant Reproduction (32)	Lab 3 Reproduction/Germination (pgs 12-18)
Week 4 Jan 28– Feb 3	TUES: Exam 1 (covers weeks 1-3) Plant Sensory Systems (30.6)	Lab 3 Finish Germination Lab 4 Hormone/Tropism (pgs 19-23)
Week 5 Feb 4– Feb 10	Animal Homeostasis/Tissues (33.2, 33.3)	Lab 4 Collect Data Lab 5 Tissues/Buffering Capacity (pgs 24-32)
Week 6 Feb 11 – Feb 17	Digestive System/Nutrition (34.1-34.4)	Lab 4 Collect Data/Finish Lab 4 Lab 6 Animal Nutrition (pgs 33-38)
Week 7 Feb 18- Feb 24	Nervous System (35.1-35.5)	Lab 7 Nervous System (pgs 39-45)
Week 8 Feb 25- Mar 3	TUES: Exam 2 (covers weeks 4-7) Defense/Immune System (42.1-42.4)	Lab 8 Infections vs. Immune System (pgs 46-54)
Week 9 Mar 4- Mar 10	Circulatory System (39.1,39.3,39.4) Respiratory System (40.1-40.4)	Lab 9 Respiratory System/Tobacco (pgs 55-59)
Week 10 Mar 11- Mar 17	Muscles and Skeleton (38.1-38.4) Review for Final	Lab 10 Bones & Muscles (pgs 60-70)
Week 11	FINAL: Tues, March 19th, 4:30-6:20pm 50% new material, 50% old material	