

Biology 101: General Biology Syllabus

Winter 2020, CRN21260, Sec B01

Monday, Wednesday 2:30pm – 4:50pm, Room 207, Benton Center

Lead TA: David Taylor
Email: david.taylor@linnbenton.edu

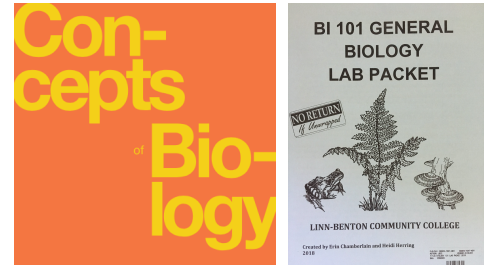
Office Hour: Wednesday 12pm–2pm
Office: Benton Center 201

Prerequisites:

MTH 65 highly recommended. Biology 101, 102 and 103 need not be taken in numerical order, but only one BI 101 theme course can be used to meet graduation requirements. If you have taken a different BI 101, Oregon Ecology for example, this section will not fulfill any other prerequisites for your degree program.

Required Course Materials:

1. [OpenStax Concepts of Biology](#) free online textbook
 - Links to the assigned chapters each week will be provided in Moodle.
 - Hardbound copies of the book are available at the LBCC Campus Store for approximately \$35.
2. BI 101 General Biology Lab Packet
3. Four Scantron forms for exams



Learning Outcomes and Concepts

By the end of this course you will be able to:

- Discuss biological community interactions.
- Explain how changes in human populations and/or actions impact natural ecosystems.
- Describe the movement of energy and nutrients through trophic levels.
- Recognize the appropriate taxonomic level of an organism based on key characteristics or traits.

Student Expectations

I expect you to attend class on time and for the full lab session, participate by asking and answering questions, prepare for class by completing reading and prelab assignments, and adhere to safety protocols in the laboratory environment.

Instructor Expectations

I am here to facilitate your learning of the laboratory and course material and to be a resource for you! You can expect that I will assess your knowledge and grade your work fairly, start and end class on time, and return graded work in a timely manner.

Communication Policy

My official LBCC email is david.taylor@linnbenton.edu. Please email me from only your official student accounts or through Moodle. I will typically respond to emails sent during the week within 24 hours, and weekend emails by Monday noon at the latest.

Teaching Philosophy

I believe firmly that *Honesty*, *Curiosity*, and *Communication* are central to successful teaching and learning. I will be honest and direct in my communication with you as it relates to your learning in this course. I will be curious about you and learn who you are to create a more welcoming and engaging learning experience. Finally, I believe honesty is required to build trust, and trust is essential for a safe and productive learning environment. In summary...

Honesty counters Harm

Be honest in your work (don't plagiarize, falsify, or seek advantage)

Be honest with others (lies postpone the truth until it's too late)

Curiosity counters Judgement

Be curious about the world (don't take the mundane for granted)

Be curious about others (their experience isn't your experience)

Communication counters Insecurity and Confusion

Communicate your work (share your discoveries and enthusiasm)

Communicate with others (let people know what they need to know to succeed)

Diversity Statement

LBCC strives to create an affirming climate for all students including underrepresented and marginalized individuals and groups. Diversity encompasses differences in age, color, ethnicity, national origin, gender, physical or mental ability, religion, socioeconomic background, veteran status, sexual orientation, and marginalized groups. We believe diversity is the synergy, connection, acceptance, and mutual learning fostered by the interaction of different human characteristics. Harassment, discrimination, or offensive language will not be tolerated. Please do not hesitate to contact me in person, by email, or anonymously (by dropping a note in my mailbox) if you experience or witness harassment or feel that your learning environment is unsafe.

Academic Integrity:

Plagiarism and cheating as explained in the Student Rights, Responsibilities, and Conduct policies will not be tolerated. Examples of academic dishonesty include (but not limited to) looking at other student exams while taking the exam, submitting assignments with identical answers, and copying answers directly from the internet. If a student is found cheating on an exam or plagiarizing an assignment, after due process, a grade of zero will be given to all students involved on that exam or assignment without the opportunity to make it up, with the possibility of official intervention by the Dean of Student Affairs.

General Lab Etiquette

No food or drink in the lab

No cell phone use, music players/headphones or other electric devices (unless used for legitimate educational purpose)

Our room is used by many students throughout the week so please be sure to leave your work station cleaner than when you found it. Make sure that any equipment or microscopes you use are clean and supplies are put away when you're done. If something is running low or you use the last of a given item, please let us know! Please also review the laboratory expectations and policies on page vi of your lab manual—you will be quizzed on this in Mastering Biology.

Center for Accessibility Resources

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 the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services or call (541) 917-4789.

Evaluation of Student Performance

Grading Categories	Points	Percentage of Total Grade
Pre-Labs (10 @ 2 pts)	20	~4%
Labs (10 @ 8 pts)	80	~18%
In Class Activities (~10 @ 1 pts)	~10	~2%
Online Homework (4 @ 10 pts)	40	~10%
Exams (2 @ 50 pts)	75	~33%
Comprehensive Final	150	~33%
Total	450	100%

Late work policy

Students are expected to turn in assignments on time. Students are penalized 10% per day for late papers. No late papers are accepted after the instructor starts the grading

Class Policies

Lecture and Lab Attendance:

You are required and expected to attend all lectures. Attendance will not be taken, but to achieve success in this class, coming to class and participating in activities is essential. No graded assignments or lab work will be accepted if you were not in attendance when the work was performed and/or due, unless prior arrangements were made or special accommodations for emergencies are required. This is a lab science course, so it is expected that you attend at least 6 of the labs to gain a passing grade.

If a student misses more than 4 labs, that individual will automatically fail the course regardless of the overall points for the remainder of the course. Pre-labs are due at the beginning of class on lab day and will not be accepted late for any reason. Labs are due by the following day after the lab activities have been performed.

Additional handouts will be provided in class. Lecture materials will be posted on Moodle which can be accessed at www.elearning.linnbenton.edu. You are required to log onto the Moodle course associated with this CRN and check your LBCC email regularly. Failure to do so means that you will be unable to take advantage of online assignments and you will miss out on important updates and messages regarding the class.

Online Homework

There are 4 homework scheduled throughout the term. These assignments are meant to be done outside of class and supplement upon topics covered in class. These assignments may vary in structure. They may include online quizzes or written reports. See schedule at the end of this document for specific due dates. Details on each assignment can be found in Moodle, under the "Online Homework" section.

Lab Reports:

Your time in lab on Wednesdays will be spent, in part, running experiments, collecting data, and working on the lab analysis questions. The lab reports will be due promptly at the beginning of class the following Monday. Late reports will not be accepted unless your absence on the day it is due has been prearranged.

Exams:

All exams are in class and closed notes, closed book. There will be three exams throughout the term, worth 50 points each. The final exam will be cumulative and worth 150 points. See schedule at the end of this document for specific dates. The format of these exams will be a mixture of multiple choice, matching, visual identification, short answer, and problem-solving questions. All exams will have a scantron component and a written component. You must provide your own Scantrons, the instructor WILL NOT have extras to distribute! Arrangements can be made to take the exam in the student assessment Center (RCH 111) if you require a language translator or CFAR accommodations. If you miss an exam, you will be allowed to make it up within 5 days, contingent upon discussing arrangements with the instructor.

In Class Activities:

Almost every class period will involve activities relating to the topic being presented that day. 10 of these activities are worth 1 point each, are never turned in or graded, and are meant as a tool for you to study and conceptualize the topics. These activities bring the student a deeper understanding of the subject matter and greatly improve performance on the exams. If you do not attend class, you will not be given the opportunity to do these activities.

Moodle Gradebook:

As assignments are completed and graded, your scores will be entered into the Moodle gradebook. You are encouraged to check your grade regularly and connect with your instructor if you are struggling.

Extra Credit:

On a few occasions on the exams and in class there may be extra credit opportunities made available, which will be high-challenge questions that can aid your score. This credit will generally not influence a grade more than 2-4% for the overall grade, but it could make a big difference in borderline grade situations. Extra credit will NOT be issued or allowed for missed work – there are no exceptions to this rule. Please do not ask for exceptions due to poor performance.

Personal Computers (Notebook/Laptop/Tablets):

You are permitted and encouraged to use a personal computer or tablet (i.e. an iPad) for the purpose of taking notes during class time. If you are found once to be using the device for personal use, web surfing, Facebook, games etc. during class time you will receive a warning. Your second offense will result in loss of the privilege of using the device for the remainder of the term. Computers in the labs are only to be used for class or lab activities, not for personal reasons and under no circumstances should downloading of software be attempted.

Cell Phones:

Cell phones must be silenced during class (Silenced, not just put on vibrate!). You may not talk or text message at any time during class. If you need to have an active phone (e.g., spouse close to labor, sick child) you must clear it with the instructor prior to class. Cell phones may not be used as calculators during exams. If an exam or class activity requires the use of a calculator, they will be provided.

College Policies and Resources

LBCC Statement of Nondiscrimination:

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 BP-1015](#). 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

Title IX Reporting Policy

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can report a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

Public Safety/Campus Security/Emergency Resources:

In an emergency, call 911. Also, call LBCC Campus Security/Public Safety at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a public safety app available for free. You are to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed.

Inclement Weather Policy:

Only if the campus is closed will an exam be postponed, and this will occur on the next scheduled class date following the closure. If a late start is announced, classes will resume on their usual scheduled times, early labs may resume and be held if the college opens during the scheduled lab period e.g. 2 hour delay. Please listen to local media coverage for notice of closures such as T.V. & radio stations. Closure information is also posted on the LB website. Information will also be communicated through Moodle as soon as the instructor.

Struggling to Meet Basic Needs Outside of the Classroom?

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Single Stop Office for support (SinglestopatLBCC@linnbenton.edu , 541-917- 4877, or visit us on the web: [Single Stop at LBCC](#), under Student Support for Current Students). This office can help students get connected to resources to help. If you are comfortable doing so, talk to your instructor for more resources.

Schedule and Due Dates

Week/Dates	Assigned Reading Online eText: Concepts of Biology	Lecture (Monday)	Lab (Wednesday)	Online Homework (Due Sunday at 11:55 pm)
Week 1 Jan. 6 & 8	Ch. 1: Intro to Biology	Science, The Scientific Method, & Biology	Pre-Lab 1 Due Lab 1: Climate Change	
Week 2 Jan. 13 & 15	Ch. 19: Population Ecology	Lab 1 Report Due	Pre-Lab 2 Due Lab 2: Population Ecology	Is It a Testable Hypothesis?
Week 3 Jan. 20 & 22	Ch. 20.1: Food Webs	No Class MLK Day	Lab 2 Report Due Pre-Lab 3 Due Lab 3: Trophic Cascades	
Week 4 Jan. 27 & 29	Ch. 21: Conservation and Biodiversity Ch. 20.2: Nutrient Cycles	Midterm Exam 1 Lab 3 Results* Conservation & Biodiversity	Pre-Lab 4 Due Lab 4: Nutrient Pollution	Biodiversity in Crisis
Week 5 Feb. 3 & 5	Ch. 12: Diversity of Life Ch. 13.1: Bacteria	Lab 4 Report Due	Pre-Lab 5 Due Lab 5: Bacteria	
Week 6 Feb. 10 & 12	See Moodle for assigned reading	In class at 2:30 pm Lab 5 Results*	Pre-Lab 6 Due Lab 6: Protists and Fungi	
Week 7 Feb. 17 & 19	Ch. 14: Plant Diversity	No Class President's Day	Pre-Lab 7 Due Lab 7: Plants	TBA
Week 8 Feb. 24 & 26	Ch.15.1 - 15.5: Invertebrates	Midterm Exam 2 In class at 2:30 pm Lab 7 Report Due	Pre-Lab 8 Due Lab 8: Invertebrates	
Week 9 Mar. 2 & 4	See Moodle for assigned reading	Lab 8 Report Due	Pre-Lab 9 Due Lab 9: Arthropods	
Week 10 Mar. 9 & 11	See Moodle for assigned reading	Lab 9 Report Due	Pre-Lab 10 Due Lab 10: Vertebrates	TBA
Finals Week Mar. 18		Final Exam 3:00-4:50pm		