# Biology 101: Winter 2019 Schedule

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| Wk | **Weekly Reading** | **Monday**  **(1hr 20 min)** | **Wednesday  (LAB – 1 hr 20 min)** | **Friday**  **(50 min)** |
| 1 | **Ch 1.1 - 1.2 , 21.1 – 21.3** | Jan 7  Intro to Life on Earth,  Climate Change &  Threats to Biodiversity | Jan 9  **Lab #1**: Climate Change  ***Due: Pre-lab #1, Lab Manual*** | Jan 11  The Nature of Science  ***Due: Moodle Scavenger Hunt, Blue Books*** |
| 2 | **Ch. 19.1 – 19.3** | Jan 14  Population Ecology  ***Reading Quiz #1***  ***Due: Reading Guides***  ***#0 and #1*** | Jan 16  **Lab #2**: Population Dynamics  ***Due: Lab #1, Pre-lab #2*** | Jan 18  Populations, cont.  Community Interactions |
| 3 | **Ch. 19.4, 20.1, 5.1** | Jan 21  *MARTIN LUTHER KING Jr.*  *DAY (NO CLASS)* | Jan 23  **Lab #3**: Community Ecology  ***Due: Lab #2, Pre-lab #3, Mini-Lecture Sheet*** | Jan 25  Community Ecology  ***Reading Quiz #2***  ***Due: Reading Guide #2*** |
| 4 | **Ch. 20.2** | Jan 28  Food Webs & Energy Flow  Begin Biogeochemical Cycles  ***Reading Quiz #3***  ***Due: Reading Guide #3*** | Jan 30  **Lab #4**: Nutrient Pollution  ***Due: Lab #3, Pre-lab #4*** | Feb 1  ***Midterm #1***  **(Chapters 1, 21, 19, 5.1, 20-20.1)** |
| 5 | **Ch. 11.1, 12, 13.1** | Feb 4  Biogeochemical Cycles, cont.  Natural Selection  ***Reading Quiz #4***  ***Due: Reading Guide #4*** | Feb 6  **Labs #5**: Bacteria  ***Due: Lab #4, Pre-lab #5*** | Feb 8  Introduction to Diversity of Life  Bacteria |
| 6 | **Ch. 13.2- 13.4** | Feb 11  Protists  Lab Results  ***Reading Quiz #5***  ***Due: Reading Guide #5*** | Feb 13  **Lab #6**: Protists and Fungi  ***Due: Lab #5, Pre-lab #6*** | Feb 15  Fungi |
| 7 | **Ch. 14 all, 5.1** | Feb 18  *PRESIDENT’S DAY*  *(NO CLASS)* | Feb 20  **Lab #7:** Plants  ***Due: Lab #6, Pre-lab #7, Mini-Lecture Sheet*** | Feb 22  ***Midterm #2***  **(Chapters 20.2, 11, 13)** |
| 8 | **Ch. 15.1-15.4** | Feb 25  Diversity of Plants  Intro to Animals  ***Reading Quiz #6***  ***Due: Reading Guide #6*** | Feb 27  **Lab #8**: Invertebrates  ***Due: Lab #7, Pre-lab #8*** | Mar 1  Invertebrates  ***Due: Article Review*** |
| 9 | **Ch. 15.5-15.6** | Mar 4  Invertebrates, cont. Arthropods  ***Reading Quiz #7***  ***Due: Reading Guide #7*** | Mar 6  **Lab #9:** Arthropods  ***Due: Lab #8, Pre-Lab #9*** | Mar 8  Arthropods  Intro to Vertebrates |
| 10 | **Ch. 15.6, 21.3** | Mar 11  Vertebrates  ***Reading Quiz #8***  ***Due: Reading Guide #8*** | Mar 13  **Lab #10**: Vertebrates  ***Due: Lab #9, Pre-Lab #10, Lab#10*** | Mar 15  Preserving Biodiversity |
| Finals |  | Mar 18 **FINAL EXAM**  1:00 – 2:50 pm |  |  |

# Biology 101: General Biology Syllabus

*CRN 32134*

## Instructor Information

Hathai Sangsupan

sangsuh@linnbenton.edu

Office: WOH 220

Office Hours: Monday 10:45 am - 11:45 am (or by appointment)

## Course Information

Lecture:

* Monday, 12:00 pm – 1:50 pm, WOH 218
* Friday, 12:00 pm – 12:50 pm, WOH 217

Lab:

* Wednesday, 12:00 pm – 1:50 pm, WOH 218

## Course Description

Biology 101 is an introduction to ecology, the diversity of life, and environmental issues. It is designed to help non-science majors or undecided majors begin to explore and appreciate living organisms and how they interact with the living (including humans) and the non-living things that make up our beautiful diverse Earth.

## Student Learning Outcomes

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

1. Discuss biological community interactions.

2. Explain how changes in human population and/or actions impact natural ecosystems.

3. 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

Required:

* ***Concepts of Biology*** - OpenStax textbook.

Available free online at: [Concepts of Biology Textbook](https://openstax.org/details/books/concepts-biology) (https://openstax.org/details/books/concepts-biology) or for purchase at the bookstore.

* ***BI 101 Lab General Biology Lab Packet***

Purchase in bookstore and bring to class in a 3-ring binder.

* ***Green Book (8-page Examination Book)***

Purchase in bookstore. Bring to every lecture.

# Class Policies

## Behavior and Expectations

Students are most successful when they ask questions, actively participate in class, and complete assignments. The more effort that you as the student put in the more that you will get out of this class. Biology is a fascinating subject and I hope you can leave here with the knowledge and critical thinking skills to help you understand the world around you in a deeper more meaningful way. My role as an instructor is to support you, so if you have any questions or concerns, please contact me or see me during office hours.

### Attendance

Students are expected to attend all lectures and labs. If you miss a class, it is your responsibility to determine what you 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**. Check your LBCC email! If you don’t, you will miss emails from me regarding assignments, due dates, and exams.

### Academic Integrity

This class is highly collaborative; however, there are expectations for individual work. If it is ever unclear to you, please ask. Any cheating, plagiarism, etc., may result in a zero and possible recommendation to the administration for further consequences. You are held accountable to the [Student Code of Conduct](https://www.linnbenton.edu/current-students/administration-information/policies/students-rights-responsibilities-and-conduct), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct.

### 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.

### Use of Cell Phones and Laptops

Cell phones are required to be silenced and put away during class. Cell phones are a part of life but they are a distraction to creating an environment where everyone can learn, so put them away during class.

**Laptops** are allowed in class but must be used only for class-related activities, such as taking notes or accessing online assignments (when the instructor is not talking). I reserve the right to limit laptop use in class if they become a distraction.

**Assignments, Exams, and Grading**

Grading is based on mastery of the course subject matter. Points towards your final grade will be awarded as follows. Assignments and point totals may change.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Graded Assignments | No. of Possible Points | % of Final Grade |  | Grading Scheme | |
| Labs: 10 labs @ 12 pts each (drop lowest) | 108 | 20% |  | A | 90 – 100% |
| 8 Reading Quizzes @ 10 pts each (drop lowest) | 70 | 13% |  | B | 80 – 89% |
| 9 Reading Guides @ 3 pts each | 27 | 5% |  | C | 70 – 79% |
| 14 In-Class Activities and Reflections @ 1-2 pts each | 18 | 3% |  | D | 60 – 69% |
| 4 Homework Assignments @ 5 pts each | 20 | 4% |  | F | 0 – 59.9% |
| Article Review | 10 | 2% |  |  |  |
| 2 Midterms @ 75 pts each | 150 | 27% |  |  |  |
| 1 Final Comprehensive Exam @ 150 pts | 150 | 27% |  |  |  |
| Total | 553 | 100% |  |  |  |

### Reading Guides and Reading Quizzes

Students are expected to do the reading before coming to class. This is so that you will have some background knowledge of the material before we cover it in class and will allow us to use class time more efficiently and effectively. Reading guides will help you focus on key terms and concepts. They will be posted each week on Moodle. As you do the reading, fill out the guide. You may use the completed reading guide during each reading quiz. The guides are due after the quiz for credit.

There will be 8 reading quizzes which are based on the information in the text. Each 10-minute quiz take place promptly at the beginning of class. If you are late to class, you’ll have less time to complete it. I will drop the lowest quiz grade.

### In-Class Learning and Activities

BI 101 will be a combination of lecture and active learning. There will be questions and activities in which you will be expected to actively participate, including several graded in-class activities and written reflections. It is important that you come to class so you do not miss out on these!

### Exams

Midterm Exam 1 covers Weeks 1-3. Midterm Exam 2 covers Weeks 4-6. The Final Exam covers Weeks 7-10 and is **comprehensive**. Exams include multiple choice and short answer questions based on lectures, reading, and labs.

### Lab Assignments

Labs are a critical component of the learning process in all science classes. They provide you with invaluable hands-on learning experiences and challenge you to use critical thinking to make decisions that can affect the outcomes of your labs. Because this is a lab class you **must attend and turn in lab reports for at least 6 of the 10 labs to pass this class**. Pre-lab assignments (usually the first 1-2 pages of each lab in the lab packet) are to be turned in at the beginning of each lab. Each lab is worth 12 points and will be graded using the following rubric:

* Pre-Lab: 2 pts
* Lab Completion: 5 pts – During lab class I will check each section on understanding the objectives, completion, and detailed drawings.
* Lab Report: 5 pts – The lab report questions will gauge how well you understood the lab. I will be looking for answers that are well thought out and demonstrate you understand the lab objectives. You can only turn lab reports in if you have attended and completed the lab. Labs are due the following lab class.

### Make-ups

Pre-Labs are due at the beginning of the lab class and cannot be turned in late. Labs cannot be made up. Your lowest lab and lowest quiz will be dropped. Late homework and lab reports will be accepted with a 50% reduction in points.

If you miss an exam or quiz contact me as soon as possible to schedule a makeup time in the Student Assessment Center in RCH 111. No make-ups will be given after the quiz or exam is handed back. Students will be allowed only two make-ups for quizzes per quarter and one make-up for a missed mid-term exam.

### Incomplete Grades

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

# College Policies

## LBCC Email and Course Communications

You are responsible for all communications sent via Moodle to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email.

## Disability and Access Statement

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.

**Request for Special Needs or Accommodations**

Direct questions about or requests for special needs or accommodations to the LBCC Disability Coordinator, RCH-105, 6500 Pacific Blvd. SW, Albany, Oregon 97321, Phone 541-917-4789 or via Oregon Telecommunications Relay TTD at 1-800-735-2900 or 1-800-735-1232. Make sign language interpreting or real-time transcribing requests 2-4 weeks in advance. Make all other requests at least 72 hours prior to the event. LBCC will make every effort to honor requests. LBCC is an equal opportunity educator and employer.

**LBCC Comprehensive 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 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: linnbentonadvocate.symplicity.com/public\_report

**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.

## 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](https://linnbenton-advocate.symplicity.com/public_report/index.php/pid073717?) 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.

## Campus Police/Emergency Resources

You may review emergency services and resources at the LBCC [Public Safety website](https://www.linnbenton.edu/faculty-and-staff/college-services/public-safety-emergency-planning-ehs/index.php) (https://www.linnbenton.edu/faculty-and-staff/college-services/public-safety-emergency-planning-ehs/index.php). Campus Safety can be reached using the 'Code 2' button on any campus phone or by dialing x411 on campus or (541) 917-4440 off campus. Dial 911 for off campus emergencies.

# Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class, through a Moodle Announcement or through LBCC e-mail.

# Support Services Available

## Learning Center, Writing Center, and English Language Leaners Center

The learning center provides academic support and a comfortable place to study. It is located on the second floor above the library. It also provides free tutoring services for all classes.

## Library

The LBCC Library is the main library on campus and offers many helpful resources, including computers and printing.