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|  | **Weekly Reading**  | **Monday** | **Wednesday** | **Friday (LAB)** |
| Week 1 | Read for Wednesday**Ch. 1, 21-21.2** | Jan 6Intro to life on Earth &The nature of Science | Jan 8Climate Change & Threats to Biodiversity***Bring Green Book to Class***  | Jan 10**Lab #1**: Climate Change***Due: Pre-lab #1******Due: Reading Guide #0*** |
| Week 2 | Read for Monday**Ch. 19-19.3** | Jan 13Population Ecology***Reading Quiz #1******Due: Reading Guide #1*** | Jan 15Populations, cont.Community Interactions ***Due: Homework #1*** | Jan 17**Lab #2**: Population Dynamics***Due: Lab #1, Pre-lab #2*** |
| Week 3 | Read for Wednesday **Ch.19.4, 20-20.1, 5.1** | Jan 20***MLK Day******No School*** | Jan 22Community Ecology *&* *Food Webs****Reading Quiz #2******Due: Reading Guide #2*** | Jan 24**Lab #3**: Community Ecology***Due: Lab #2, Pre-lab #3*** |
| Week 4 | Read for Wednesday**Ch. 20.2** | Jan 27***Midterm #1*****(Chs 1, 21, 19, 5.1, 20-20.1)****Due: Homework #3** **(Online Review)**  | Jan 29Biogeochemical Cycles ***Reading Quiz #3******Due: Reading Guide #3*** | Jan 31**Lab #4**: Nutrient Pollution ***Due: Lab #3, Pre-lab #4*** |
| Week 5 | Read for Monday**Ch. 11.1 and Ch.12**Read for WednesdayRead: **13.1** | Feb 3Natural Selection & Diversity of Life***Due: Homework #4*** | Feb 5Bacteria ***Reading Quiz #4******Due: Reading Guide #4***  | Feb 7**Labs #5**: Bacteria ***Due: Lab #4, Pre-lab #5*** |
| Week 6 | Read for Monday**Ch. 13.2- 13.4** | Feb 10Protists &Lab Results***Reading Quiz #5******Reading Guide #5 Due*** | Feb 12Fungi***Due: Homework #5*** | Feb 14**Lab #6**: Protists and Fungi***Due: Lab #5, Pre-lab #6*** |
| Week 7 | Read for Wednesday **Ch. 14 all, 5.1** | Feb 17***President’s Day******No School*** | Feb 19Diversity of Plants***Reading Quiz #6******Due: Reading Guide #6*** | Feb 21**Lab #7:**Plants***Due: Lab #6, Pre-lab #7*** |
| Week 8 | Read for Wednesday**Ch. 15-15.4** | Feb 24***Midterm #2*****(Chapters 20.2, 11, 13)** **Due: Homework #6****(Online Review)** | Feb 26Intro to AnimalsInvertebrates***Due: Homework #7*** | Feb 28**Lab #8**: Invertebrates ***Due: Lab #7, Pre-lab #8*** |
| Week 9 | Read for Wednesday**Ch. 15.5-15.6** | Mar 2Invertebrate Ecology | Mar 4Arthropods***Reading Quiz #7******Due: Reading Guide #7*** | Mar 6**Lab #9:**Arthropods***Due: Lab #8, Pre-Lab #9*** |
| Week 10 | Read for Monday**Ch. 15.6** | Mar 9Vertebrates***Reading Quiz #8******Due: Reading Guide #8*** | Mar 11Vertebrates, cont.Preserving Biodiversity | Mar 13**Lab #10**: Vertebrates***Due: Lab #9, Pre-lab #10*** |
| Finals Week |  | Mar 16**FINAL EXAM 8:00 am**CRN: 30887(10:00 am class) | Mar 18**FINAL EXAM 8:00 am**CRN: 30307 (8:30 am class)  |  |

# Biology 101 Winter 2020 Schedule

Biology 101 General Biology – Winter 2020

## CRN 30307 and CRN 30887

# 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

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| **CRN 30307**Lecture: Mon, Wed 8:30-9:50 am WOH 217Lab: Friday 8:00-9:50 am WOH 218 |

**CRN 30887**

Lecture: Mon, Wed 10:00-11:20 am WOH 217

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](http://www.openstax.org/details/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, reading guides, labs, quizzes, and exams.

### 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**. 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.\*\**** *Lowest lab score will be dropped.*

### Homework Assignments

7 Homework assignments will be given to help you practice thinking about the concepts we are studying in class. 2 homework assignments will be online multiple-choice questions given as practice for each midterm. 5 homework assignments will be given to help you think and analyze real world examples of the main concepts from class. Assignments will be posted on Moodle one week before they are due.

### Reading Guides

9 Reading guides will be given to better help you understand the material presented in the text. Download each reading guide from Moodle and fill it out as you read each chapter. **You may use your completed reading guide during each reading quiz and you will turn it in after the quiz for credit.** *Lowest reading guide score will be dropped.*

### 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!** 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! *Lowest quiz score will be dropped*.

### In-class Activities and Reflections

We will be doing many 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 these 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, quizzes, and homework 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 during office hours. **Late homework, lab assignments will be accepted after three days 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:

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| --- | --- | --- | --- |
| Graded Assignments | # of Points Possible | % of Final Grade | Grading Scheme |
| 10 labs @ 10 pts each (drop lowest) | 90 | 15% | 90 – 100% = A |
| 9 Reading Guides @ 5 pts each (drop lowest) | 40 | 7% | 80 – 89% = B |
| 7 Homework @ 5 pts each | 35 | 6% | 70 – 79% = C |
| 8 Quizzes @ 10 pts each (drop lowest) | 70 | 12% | 60 – 69% = D |
| 10 In-Class Activities @ 2 pts each | 20 | 3% | 59.9% and below = F |
| 2 Midterms @ 100 pts each | 200 | 33% |  |
| 1 Final Comprehensive Exam @150 pts | 150 | 25% |  |
| Total | 605 | 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 use is 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](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. 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.