**BI 101: General Biology (CRN: 20986) Fall 2018**

**Instructor:** Misty Donaghy Cannon, Ph.D.

**Class meeting times and places:** Tuesday and Thursday 5:30 – 7:50 pm Benton Center (BC) Rm 207 **Office:** BC 201A; **Email:** donaghm@linnbenton.edu

**Class Website:** https://elearning.linnbenton.edu/course/view.php?id=1609

**Office Hours: TR 5:00-5:25 pm** and by appointment. I will be in the science faculty office (BC 201A) or the classroom during this time.

BI 101 is a biological sciences perspectives course and can be used to fulfill the general education requirements of your degree. More importantly, this class will help you create a broader understanding of, and appreciation for, the natural world and your place in it that will benefit you throughout life.

In this class I will help you to increase your 1) understanding and appreciation of the diversity of life that shares our planet, 2) your level of ecological literacy and the process of science. In addition, you will use d hands-on experiments to support your understanding of the biological concepts we discuss in lecture.

**Important!** 1) If you already have taken a different BI 101 (e.g., Oregon Ecology) for credit, you cannot also use this class to meet the biological sciences/lab general education requirement. 2) If you are in or considering an academic program that requires a majors-level biology class, this class will NOT count. If you have any questions or doubt about these issues, please immediately talk to your advisor.

**My commitment to you:** I will do everything I can to facilitate your learning by:

1. Welcoming questions, comments and feedback
2. Being available during scheduled times
3. Testing fairly on information and concepts from the book, class lecture and labs.

**My expectation of you:**

1. Take responsibility for your own learning and ask questions
2. Be on time for class
3. Stow your phone except when appropriate and do **not** leave the room to use your phone during class time.
4. Come to class prepared to learn (e.g., complete assigned readings and assignments before class)

**Required Course Materials:**

1. Textbook: Concepts of Biology. This book is available at <http://openstax.org/details/concepts-biology> I recommend that if you choose only to have an onscreen version of this book that you download a free PDF version so that you do not need to have the Internet to access it. You can purchase a version of this book at the LBCC bookstore for ~$30. It doesn’t get more reasonable for a textbook than this, so if you prefer reading a hardcopy of the textbook, I urge you to purchase the book.
2. BI 101 General Biology Lab Packet (2018 version, available at the LBCC bookstore).
3. Three scantrons, form No. 882-E to use on exams in the class (available at the LBCC bookstore.

**Attendance:** First, this class is 2 hrs and 20 minutes long and it will last that long on most days. Plan on being present for the entire class or you will be counted as absent**.** Lecture is always held after quizzes and exams.Lab attendance is mandatory and **cannot** be made up under most circumstances. Labs generally are due the following class period. Because this is a science lab class, if you miss 4 lab days, you automatically will receive an F in the class, regardless of your standing in the class.

I will **not** accept in-class assignments or lab work if you were not in attendance when the work was performed.Be aware that we may start or complete labs on Tuesday as well as Thursday and that any day in which we conduct lab activities falls under this policy. I also will provide in-class assignments. This is a participation score and you must be present in class to receive credit.

**Homework, Exams and Grading:** This course includes both lecture and laboratory components and is worth ­­­­475 points. Approximately 65**%** your grade will come from exam scores (two midterms and one comprehensive final exam), and three lecture quizzes. Exams and quizzes cannot be made up unless you have a documented and compelling reason for missing the exam or quiz and you have informed me **before** the scheduled time.

The remaining ~35% of your grade will be comprised of laboratory (25%), homework assignments (6%) and in-class activities (4%).

**Labs:** Each lab is worth 12 points and is comprised of three parts. The prelab is worth 2 points and is due at the beginning of each lab period unless otherwise stated. The lab activity is worth 4 points and must be completed during lab, unless otherwise stated. The lab report is worth 6 points, completed outside of class, and is due the following class period. I provide a rubric on Moodle for how each part is graded.

All lab reports must be **typed or** **handwritten and legible** on paper that is attached to the report questions. You do not need to rewrite the questions on this sheet, but you must provide complete answers.

**In-class Assignments and Participation:** Throughout the term I will provide in-class assignments to reflect on class material. You will write on notebook paper or on provided worksheets and these activities will count towards your 4% participation grade in the class. These in-class assignments cannot be made up and will not be announced prior to class. Students in past classes have identified this participation as very helpful for exam preparation.

**Homework:** Homework is comprised of questions based on assigned reading and assignments given in class. Homework must either be **typed (if specified in the assignment) or** **handwritten and legible**.

Supplementary lecture materials, assignments and study guides will be posted on my Moodle website https://elearning.linnbenton.edu/course/view.php?id=1609. I will post reading questions in the weekly folders and homework assignments on the day I assign them. You can miss one reading question assignment without consequence.

**Late Policy:** Lab and homework assignments will be due at the beginning of class on the due date stated. If you know that you cannot attend a class when an assignment is due, you have two options:

* email me your assignment with the understanding that I must be able to access attachments.
* give it to an attendant in the Learning and Career Center.

Regardless of how you turn in assignments, **I must receive it by the start of class on the due date**. I do not accept late homework except under very limited and compelling circumstances that involve communication between us **before** the assignment is due. If you miss the day that the lab report is due, I will accept it the following class period, but you will be assessed a 33% point deduction.

**Grading Scheme**

90 – 100% A 80 – 89% B

70 - 79% C

60 - 69% D

<60% F

Only if your final percentage is < 0.5% of the next letter grade category, will I round up to the next letter grade (e.g., 89.7 = 90). LBCC does not use a + system.

**Extra Credit Opportunities.** As per Biology Department policy, I cannot drop any lab or quiz scores. However, I will give opportunities for extra credit assignments in this class. Please note that extra credit points cannot exceed ~3% of the points available in the class. Once all the points have been assigned in this class, I cannot offer any more extra credit points to create a passing grade.

**IMPORTANT:** This class **cannot** be taken for credit/no credit. If you feel that you cannot achieve the grade that you need in this class, you must drop the class by the end of **Week 7**. For more information, please see http://www.linnbenton.edu/admissions/withdraw-deadlines. If you are still registered in the class in Week 2 and do not drop the class by Week 7, you will receive an F. *Please* do not stop coming to class without formally withdrawing.

**Appropriate Technology:** This is a professional environment. Therefore, cell phones and computers are not allowed to be used in class except for the purpose of accessing class-related materials at specified times. Leaving during class time to use your phone also is distracting and unprofessional. If you need access to your phone for justifiable reasons (such as contact from a childcare provider) let me know.

**Incomplete Policy:** An incomplete (IN) will only be issued if you are unable to complete the last exam by the end of the term and have a >70% on completed work. An incomplete grade must be accompanied by a signed contract specifying the conditions necessary to complete the course.

**Accessibility Resources:** Students who may need accommodations due to documented disabilities, or who have medical information that I should know about, or who need special arrangements in an emergency, should speak with me during the first week of class. If you believe you may need accommodations but are not yet registered with the Center for Accessibility Resources (CFAR), please visit the [CFAR Website](https://www.linnbenton.edu/cfar) for steps on how to apply for services or call 541-917-4789.

**Academic Dishonesty and Misconduct:**  LBCC Student Code of Conduct will be enforced; violations of academic honesty (including cheating and plagiarism) will meet with severe measures that may include failing the course or expulsion from the college. I am obligated to report academic dishonesty and will do so. See the document entitled, Student Rights and Responsibilities and Conduct at http://www.linnbenton.edu/go/about-lbcc/policies for more information.

**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 BP-1015](https://www.linnbenton.edu/faculty-and-staff/administrative-information/policies/board-policies-and-administrative-rules/1000-series-the-college/board-policy-series-number-1050-equal-opportunity-statement.php). 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](http://linnbenton-advocate.symplicity.com/public_report)

**Course Evaluations:** Your feedback is important to improve this course. Student evaluations of teaching (SET) will be done electronically. It will activate after Week 5 and is due no later than week 9 of the term. The system is anonymous, and can be done from any electronic device. You will receive email notifications for each of your classes – it takes approximately 10 minutes per each class and is a valued resource for guiding the progress and evolution of the course. I value your input so please participate in this process.

**Inclement Weather Policy:** If the campus is open, I will hold class, including any scheduled exams. Only if the campus is closed will an exam be postponed, and the exam will occur on the next scheduled class date following the closure. If a late start is announced, classes will resume at their usual scheduled times; early labs will resume and be held if the college opens during the scheduled lab period. Please listen to local media coverage for notice of closures such as the official Linn Benton website, T.V. & radio stations. Most importantly, contact me ASAP when you cannot attend class because of inclement weather.

**Tentative Topics Covered and Timeline. Note: Class is held after all quizzes and exams.**

**Textbook reading assignments and homework/lab due dates will be provided on Moodle.**

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| **Week and Dates**  | **Lecture**  |  **Lab**  |
| 1. 9-25, 9-27  | Scientific Method, Biodiversity and Climate Change  | 1. Experiment: The effect of CO2 on temperature |
| 2. 10-2, 10-4  | Populations and Community Concepts  | 2. Populations  |
| 3. 10-9, 10-11  | **Quiz 1 (Tues);** Community Interactions; Food Webs  | 3. Trophic Cascades  |
| 4. 10-16, 10-18  | **Exam 1 (Tues);** Ecosystems; biogeochemical cycles | 4. Simbio: Nutrient Pollution  |
| 5. 10-23, 10-25  | Natural Selection; Bacteria/Viruses  | 5. Bacteria  |
| 6. 10-30, 11-1 | **Quiz 2 (Tues);** Eukaryote and Prokaryote Significance | 6. Fungi/Protists  |
| 7. 11-6, 11-8 | **Exam 2 (Tues);** Systematics; Plants  | 7. Major Plant Groups and Pollination Biology |
| 8. 11-13, 11-15  | Invertebrates; plant-animal relationships  | 8. Invertebrate Diversity  |
| 9. 11-20, 11-22  | Arthropod Characteristics and DiversityThanksgiving – No class on Thursday  | 9. Arthropods (Tuesday)  |
| 10. 11-27, 11-29  | **Quiz 3 (Tues);** Vertebrate Classesand Final Exam Review | 10 – Lab on Tuesday/Thursday; Final Exam Review  |
| 11. 12-4 | **Final Exam: 5:30 – 7:50 pm in class**  |   |