

**Eastern Oregon University**  
**Course Syllabus**

**Number of Course:** BIOL 211L

**Name of Course:** Principles of Biology Lab

**Catalog Description:** Basic concepts of modern biology. This course teaches the basic concepts of environmental and evolutionary biology including ecology, classical genetics, evolution and speciation at the organismal and genetic levels, and a survey of plants and invertebrate animals.

**Credit Hours:** 1

**Required Texts or Suggested Materials:**

Are available at: <http://eou.bncollege.com/>

**Prerequisites:** Corequisites -- MATH 111 or equivalent, CHEM 204, BIOL 211

**Learning Outcomes:**

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

1. Analyze ecological data at a beginning to intermediate level
2. Interpret results at a beginning to intermediate level
3. Analyze and interpret transmission genetic data and pedigrees
4. Interpret, analyze, and critically examine data supporting the reality of evolution and how it occurs
5. Demonstrate proficiency with respect to identification and description of major plant and animal groups and their structure/functional relationships

**Course Requirements:**

1. Active participation in class, field trips and data collection (lab) (linked to Learning Outcome 1)
2. Ladd Marsh Research Report analyzing and interpreting field data (lab) (linked to Learning Outcome 2)
3. 4 Quizzes (linked to Learning Outcomes 3-5)

**Grading Policies:**

Final grades will be based on the following minimum percentages of the total points available in the course: 90% - A, 80% - B, 70% - C, 60% - D, lower than 60% - F

If students must miss a lab for an excusable reason, they must consult with the faculty prior to missing the lab and arrange for a make-up time. A 10-point deduction will be applied to any student who misses a field trip without prior communication/excuse from their faculty instructor.

**Means of Assessment:**

Ladd Marsh Research Report: 60 pts.

Four in-lab quizzes @ 15 pts each: 60 pts.

**Brief Outline of Course:**

This course meets one day per week for three hours. The first half of the course will cover ecology and diversity, with two field trips to the Ladd Marsh Wildlife Area. The second half of the course will cover classical genetics, evolution and speciation at the organismal and genetic levels, and a survey of the invertebrate animals.

#### Field Trips:

We will take two field trips to the Ladd Marsh Wildlife Area during weeks 2 and 3 of the term. Students in the evening lab section will be required to attend one of the afternoon class sessions on those weeks.

#### General Education Category and Outcomes:

#### University Writing Requirement Outcomes:

##### Writing Center Statements:

##### ***For on-campus courses***

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU's undergraduate and graduate students who are writing for any course at any level, or who are writing resumes, job letters, graduate applications, and more. Go to [eou.mywconline.com](http://eou.mywconline.com) to schedule an appointment in the Writing Center (Loso Hall 234).

##### ***For online or on-site courses***

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU students writing for any undergraduate course. Go to [EOU's eTutoring page](#) to submit a paper to a writing tutor.

##### ***For graduate courses***

The Writing Center provides a place — physical or virtual — where every EOU writer can find an interested, responsive reader. Writing tutorials are free of charge for EOU students writing for any graduate course. Go to [EOU's eTutoring page](#) to submit a paper to a writing tutor. Click on [Graduate Students How To](#) for information about tagging your submission.

#### Classroom Decorum:

##### **Academic Misconduct Policy:**

Eastern Oregon University places a high value upon the integrity of its student scholars. Any student found responsible for an act of academic misconduct (including but not limited to cheating, unauthorized collaboration, fabrication, facilitation, plagiarism or tampering) may be subject to having his or her grade reduced in the course in question, being placed on probation or suspended from the University, or a combination of these. (Please see the Student Handbook online at <http://www.eou.edu/sse/student-handbook/>).

##### **Accommodations/Students with Disabilities policy:**

Any student who feels he or she may need an accommodation for any type of disability, must contact the Disability Services Office in Loso Hall, Room 234. Phone: 541-962-3081.

**Disclaimer:**

This standard syllabus provides only general information on the course. For those enrolled in the course a detailed syllabus will be provided by the Instructor at the beginning of the term. Please keep in mind that not all courses are offered every year. Consult Webster for scheduling information.

**Date:** 2018