

Biology 130: Introduction to Ecology

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note: I am thrilled to answer any emails that are ecology related. Administrative questions, concerns about absences, or any other general organizational problems, however, should be addressed during office hours, before class, or after class, not by email, please.

office hours: 11-12:30 T,W,TH Onyx Bridge 360

Date	Lecture or Lab	Topic/activity	Read before class	Turn in:
9/25	Lecture	-Ecology -Doing Science	chapter 1	
9/27	Lecture	-Basic principles of environmental science & ecology	chapter 2	
9/28	Lab	Bee communication		Worksheet 1
10/2	Lecture	Ecosystems	chapter 3	
10/4	Lecture	Nutrient cycling	chapter 3 primary lit #1	
10/5	Lab	Hermit crabs		Worksheet 2
10/9	Lecture	Evolution and Natural Selection	chapter 4	
10/11	Lecture	Biodiversity	chapter 4	
10/12	Lab	Patchy Prairies		EcoBeaker 1
10/16	Lecture	Exam I	chapter 5	
10/18	Lecture	Species interactions	chapter 5	
10/19	Lab	keystone predator		EcoBeaker 2
10/23	Lecture	human population growth	chapter 6	
10/25	Lecture	modeling population dynamics	chapter 6	

Date	Lecture or Lab	Topic/activity	Read before class	Turn in:
10/26	Lab	Human population growth		Worksheet 3
10/30	Lecture	Climate & Biomes	chapter 7 primary lit 2	
11/1	Lecture	Forests & grasslands	chapter 7	Problem set 1
11/2	Lab	Poster Session I		
11/6	Lecture	Aquatic biodiversity	chapter 8	
11/8	Lecture	Exam II	chapter 8	
11/9	Lab	Isle Royal		EcoBeaker 3
11/13	Lecture	Species extinctions	chapter 9	
11/15	Lecture	Invasive species	chapter 9	
11/16	Lab	Silent Invaders		Worksheet 4
11/20	Lecture	Terrestrial biodiversity	chapter 10	
11/22	No Class	Eat turkey	chapter 10	
11/23	No Lab	Sleep it off		
11/27	Lecture	Fisheries, Wetlands, Coral reefs	chapter 11 primary lit 3	
11/29	Lecture	Managing the Forests and Fisheries in Oregon	chapter 11	
11/30	Lab	Poster Session II		Problem set 2
12/6	Final Exam	Cumulative	all chapters	Exam

Points

Exams: 100 pts each, 200pts total

Final Exam: 200 pts

Lab exercise: 10 pts each, 80 pts total

Lab enthusiasm: 20 pts

Lecture participation: 100 pts

Poster Project: 100pts

Problem Sets: 50 pts each, 100 pts total

Assignment Details:

Exams: We have 3 exams scheduled this term. The dates are in bold on your syllabus. If you know ahead of time that you will be unable to attend class on one or more of these dates, let me know ASAP to ensure we can accommodate your needs with an alternative date.

Exams will test your knowledge and mastery of material presented in lecture or contained within the readings from the text and assigned primary literature. Additionally, the exams will include questions about topics covered in your discussion sections. The BEST way to prepare for an exam is to attend class and discussion section, and to complete all of the reading as it is assigned.

Readings:

Chapter readings on the class schedule refer to chapters in your textbook. Additional primary literature articles may also be posted on Blackboard under Course Documents. If you read for Ecology class 30 minutes every day, you will master this material and perform well on the exam.

Blackboard:

I am fond of Blackboard and will post new and exciting information at frequent intervals. Check the course Blackboard site every day.

Poster Sessions:

You will work in pairs to investigate a hypothesis in the field of ecology. You will present your findings to your discussion section members in one of the two scheduled poster sessions. A detailed description of the Poster assignment is available in the lab manual.

EcoBeaker Activities:

The EcoBeaker activities are fun and interesting activities performed on a computer to underscore and develop your understanding of topics we learn about in lecture. You will download the activities for a cost of \$3 during 3 separate discussion sessions.

Discussion section participation points:

Your GTF will be evaluating your attendance, participation, and attitude throughout the term. Extra points will be earned by students who show up ready to learn and to help their peers.

Problem Sets:

You will be assigned two problem sets over the term. They will be posted on BlackBoard 1 week prior to the due date marked on your syllabus. Feel free to work together on these assignments. Your best tutors are going to be your classmates. Learn from each other.

Lecture Participation: 100pts (whichever score is higher from the two options below):

1) average of % of clicker questions answered correctly X % attendance

or

2) come to my office hours in the last two weeks of class with a complete, organized, journal of your notes on chapter readings, lectures, demonstrating daily entries and reflective thought on the topics. You will receive a % completion score. If there is a thoughtful entry for all 18 lecture dates, you will receive 100%. 16/18 will earn an 88%, etc. The notebook must be organized and thoughtful. I will expect you to walk through the entries with me during the office time.

Notice to Students with Disabilities

The University of Oregon is working to create inclusive learning environments. If there are aspects of the instruction or design of this course that result in barriers to your participation, please notify me as soon as possible. You may also wish to contact Disability Services in 164 Oregon Hall at 346-1155 or disabsrv@uoregon.edu