

COURSE SYLLABUS

BIOLOGY 230: Ecology- Concepts and Applications

First day to access course: 8/27/2024

Last day to access course: 12/20/2024

Instructor Information

Instructor: Chad Chapman

Telephone: 559-540-5978

E-mail: chad.chapman@dakotacollege.edu

On Campus Office Hours: By request

Preferred method of course communication: Blackboard, Email

Location/hours: Lecture-NSC 126 MWF 9-9:50 am. Lab- NSC 126 Tu 1-2:50 pm*

Course Description/Overview

Ecology is the study of how organisms interact with each other and their environment at the population, community, and ecosystem levels. The goal of this course is familiarize you with ecological theory and its applications.

Course Learning Objectives

- Understand and explain foundational ecological concepts
 - Use critical thinking skills to solve problems
 - Be scientifically literate, and be able to effectively communicate scientific ideas
 - Apply the above skills to address novel ecological questions
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Course Materials

Required Text Book: Ecology- Concepts and Applications, 9th ed.

Required Software: Blackboard

Technology Requirements: Laptop or tablet

Assignments/Lessons

Wk. 1: 8/27-8/30

Introductions, Chapter 1, no labs

Wk. 2: 9/2-9/6
No class 9/2, Chapters 2 & 3, lab

Wk. 3- 9/9-9/13
Ch. 4 & 5, lab

Wk. 4- 9/16-9/20
Ch. 6 & 7, lab, exam review

Wk. 5- 9/23-9/27
Exam 1, lab, Ch. 8

Wk. 6- 9/30-10/4
Ch. 9 & 10, lab

Wk. 7- 10/7-10/11
Ch. 11 & 12, lab

Wk. 8- 10/14-10/18
No class 10/14, Ch. 13, lab

Wk. 9- 10/21-10/25
Ch. 14, lab, exam review

Wk. 10- 10/28- 11/1
Exam 2, lab, Ch. 15

Wk. 11- 11/4-11/8
Ch. 16 & 17, lab

Wk. 12- 11/11-11/15
No class 11/11, work on presentations, Ch 18

Wk. 13- 11/18-11/22
Ch. 19 & 20, work on presentations

Wk. 14- 11/25-11/26
Ch. 21, work on presentations, no class 11/27-11/29

Wk. 15- 12/2-12/6
Ch. 22 & 23, presentations, exam review

Wk 16- 12/9-12/13
Exam 3, Final exam review

Wk. 17- Finals week

Assignments/Lessons

Unit assignments and labs are due on exam days. Late submissions will incur a 50% penalty.

Grading

Method

Standard- A= 90-100%, B= 80-89%, C= 70-79%, D= 60-69%, F= 0-59%

Points Breakdown

Exam x3- 300 points (100 each)

Final exam- 150 points

Homework x23- 230 points (10 each)

Labs x10- 100 points (10 each)

Lab presentation/participation- 120 points

Community service- 100 points (4 hours)

TOTAL= 1,000 points

***Each unexcused absence will result in 5 points taken off of your total grade**

Mid-Term and Final Grades

All grades will be kept current on blackboard.

Community Service

All students will be required to volunteer 4 hours of time outside of the classroom at Kritter Krazy exotic animal rescue. This endeavor is worth 100 total points to your grade.

Academic Dishonesty

Academic dishonesty may include, but is not limited to, the following: giving or receiving aid on tests; plagiarizing papers, assignments, book reviews; removing and/or copying test questions from office files. Incidents of suspected dishonesty will be addressed by the course instructor with the department chair and/or the school dean. After hearing the student and considering all the evidence, sanctions will be assessed if guilt is determined. Academic dishonesty may result in sanctions including, but not limited to, an F and loss of credit for the course and, upon a recurrence or gross dishonesty, expulsion from the University. Any finding of academic dishonesty, and the sanction applied or recommended, shall be reported to the Provost who shall assess any sanction more severe than the loss of credit for the course. A student may appeal a finding and/or a sanction assessed to the Provost. Otherwise, no appeal shall be allowed. For updates and questions related to this area, contact the Provost's Office.

Students with Disabilities

Any student with a disability (sight, hearing, language, mobility, etc.) that may affect class activities must inform the instructor of the learning disability and contact the faculty coordinator for students with disabilities.

Important Dates

09/04/2024- Last day to add/drop/withdraw without record- 100% refund

09/11/2024- Tuition/fee payment deadline

10/04/2024- Last day to withdraw from school- 75% refund

11/03/2024- Last day to withdraw from school- 50% refund

11/15/2024- Last day to drop/withdraw with record

Please note: This syllabus is not a contract and may be amended, at any time during the semester, by the instructor. Schedule is tentative.