

BIOLOGY 1110

Environmental Biology

This is an information sheet only, not the course syllabus.

COURSE DESCRIPTION

An interdisciplinary study of the environment investigating how nature works and how things are interconnected. Based on an understanding of ecological concepts and principles, students examine lifestyle issues and critically analyze the relationship among population, natural resources, land use, agriculture, biodiversity, industrialization, and pollution. Environmental problems are examined from scientific, ethical, economic, and sociological perspectives to enable students to understand the relevance of biology to contemporary issues in human society. (4 credit hours)

COURSE MATERIALS

Textbook: *Environmental Science: A Global Concern* (10th edition) by William P. Cunningham and Mary Ann Cunningham, published by McGraw Hill, copyright 2008.

CD-ROM sets: *Interactive World Issues: Of Place and Planet*, CD-ROM set, 1st edition, by Cambridge Studios, published by McGraw Hill, copyright 2004.

Ecobeaker Simbio, custom lab set with workbooks and CD by Simbiotic Software, copyright 2009.

COURSE ACTIVITIES

| Unit | Activity | Points |
|----------|--|--------|
| 1 | Assignment - Ecobeaker Keystone Predator Lab | 50 |
| | Assignment - Case Study: Alaskan Wolf Control | 50 |
| | Quiz | 20 |
| | Exam | 100 |
| 2 | Assignment - Human Trophic Ecology, Parts 1 and 2 | 50 |
| | Assignment - Human Trophic Ecology, Part 3 | 50 |
| | Quiz | 20 |
| | Exam | 100 |
| 3 | Assignment - Nested Calculator, Wetlands Lab | 50 |
| | Quiz | 20 |
| | Exam | 100 |
| 4 | Assignment - Ecobeaker Sewage Lab | 50 |
| | Quiz | 20 |
| | Exam | 100 |
| 5 | Assignment - Ecobeaker Oil Spills Lab | 50 |
| | Assignment - Interactive World Issues--Oregon, discussion | 30 |
| | Assignment - Interactive World Issues--Oregon, written summary | 20 |
| | Quiz | 20 |
| | Exam | 100 |

EVALUATION/GRADING

Your final grade will be based upon your total points earned, applied to a standard grading scale.

| | |
|------------------------|-----------------------------------|
| 5 Unit Exams | 100 points each; 500 points total |
| 5 Unit Quizzes | 20 points each; 100 points total |
| 8 Labs/Assignments | 50 points each; 400 points total |
| 5 Extra Credit Quizzes | 20 points each; 100 points total* |

*Extra credit points will be added to student's cumulative point total.

| Grade | Percentage | Points |
|--------------|-------------------|-----------------|
| A | 90-100% | 900-1000 points |
| B | 80-89% | 800-899 points |
| C | 70-79% | 700-799 points |
| D | 60-69% | 600-699 points |
| F | <60% | <600 points |

SATISFACTORY/FAIL OPTION

The S/F grade option is available to students in this course. Contact the instructor or refer to the syllabus for details and conditions.

INCOMPLETE GRADE POLICY

If you may find that you are unable to complete the course by the end of the semester for some unavoidable reason you may request an Incomplete grade. Incomplete grades will only be given for extreme situations. Contact the instructor or refer to the course syllabus for details.