

ECOSPHERE IN CRISIS

Biology 104, Spring 2013
9:10-10:10 MWF Clow 101
Dr. Bob Stelzer

Contact information

<u>Office Hours</u>	<u>Location</u>	<u>Phone</u>	<u>e-mail</u>
Mon. 10:30-11:30 Wed. 11:30-12:30 and by appointment	Halsey 150	424-0845	stelzer@uwosh.edu

Required materials

Lecture—*Environmental Science: A Global Concern* by William P. Cunningham and Mary Ann Cunningham (12th edition).
Lab—see your lab instructor

Course objectives

1. To understand the ways in which humans affect the environment and the ways in which the environment affects humans
2. To be able to apply knowledge of interactions between humans and the environment to new events and scenarios
3. To be able to identify environmental problems and opportunities and to consider ways to address them
4. To gain an introductory knowledge about the role of science and scientists in environmental issues
5. To broaden your horizons. Some of you may go on to become environmental scientists. Most of you will probably pursue different careers. If you take this class seriously, it will contribute to a broad-based liberal arts education that UW- Oshkosh offers. The breadth of a liberal arts education allows you to make informed decisions based on knowledge from a wide range of disciplines (e.g. philosophy, art, history, economics, science). And, it will allow you to have more interesting conversations at parties ☺

How to do well

If you want to do well in this class I recommend that you:

1. Do not miss Lecture or Lab!
2. Take careful notes
3. Read all of the assigned chapters from Lecture
4. Use your notes and readings to study and synthesize the material for the exams.
5. Participate fully in all Lab activities.
6. Take advantage of opportunities for help outside of class including services provided by the Center for Academic Resources (see more information below).

In Lecture we will not cover all of the material in the textbook but we will emphasize important aspects of your reading assignments. You will also be introduced to other material not found in your textbook. I will post an outline of each lecture on D2L, usually the day before the material is covered in class.

Lecture exams will include material from Lecture *and* from your textbook, with emphasis on Lecture. Material from Lab will *not* be included on Lecture exams. Your exam grades will be posted on D2L, typically within two to four days after an exam.

You will receive a single grade for Bio 104. Your lecture percentage will contribute 2/3 towards your overall percentage. Lab will contribute 1/3 towards your overall percentage.

Lecture Schedule

Date	Reading Assignment (Chp.)	Topic
Jan. 28	pp 1-11	Introduction
Jan. 30	1	Ethics
Feb. 1	2	Scientific Discovery
Feb. 4	1	History of Environmental Science
Feb. 6	3	Matter, Energy & Life
Feb. 8	4	Species and Communities
Feb. 11	5	Ecosystems
Feb. 13		<i>Exam Review</i>
Feb. 15		Exam 1
Feb. 18	13	Restoration Ecology
Feb. 20	6	Population Dynamics
Feb. 22	7	Human Populations
Feb. 25	9	Food and Agriculture
Feb. 27	10	Pest Control in Agriculture
March 1	11	Biodiversity I
March 4		Biodiversity II
March 6		<i>Exam Review</i>
March 8		Film— <i>Food Inc.</i>
March 11		Exam 2
March 13		Invasive Species
March 15	12	Land Use and Conservation
March 18-22		Spring Break!
March 25	17	Water Quantity and Use
March 27	18	Water Quality
March 29		Great Lakes Water Issues
Apr. 1	Article by Dr. Haynes	Guest Lecture: Dr. Douglas Haynes- Stories of People and Environmental Change in Latin America
Apr. 3	15	Climate and Global Climate Change
Apr. 5		A Climate Change Controversy?
Apr. 8		Effects of global warming on ecosystems
Apr. 10		<i>Exam Review</i>
Apr. 12		Exam 3
Apr. 15	16	Air Pollution
Apr. 17	19	Conventional Energy
Apr. 19	20	Sustainable Energy
Apr. 22		Energy Use on Campus
Apr. 24	22	Urbanization & Growth of Cities
Apr. 26	21	Solid Waste
Apr. 29	21	Waste Reduction and Recycling
May 1	23	Ecological Economics
May 3	24	Environmental Policy
May 6		<i>Exam Review</i>
May 8		Exam 4

Grading Scale

Final grades will be assigned based on the following grading scale:

A	91-100
A-	89-90
B+	87-88
B	80-86
B-	78-79
C+	76-77
C	70-75
C-	68-69
D+	66-67
D	60-65
D-	58-59
F	< 58

Make up Exam Policy

Exams must be taken at their scheduled dates and times as indicated in the Lecture Schedule. Make-up exams will be given only if there is a valid, documented excuse for missing the scheduled exam (e.g., debilitating illness accompanied by a physician's note). To be eligible to take a make-up exam a student must notify the lecture instructor within one day of the scheduled exam. If you know that you will miss an exam ahead of time for a university-sanctioned event (e.g. athletic competition, Model UN Meeting), military obligation, or medical reason you will need to notify the instructor before the scheduled exam to arrange to take a make-up exam.

Vacations, attending weddings, and oversleeping are examples of invalid excuses for missing an exam. If you miss an exam with an invalid excuse you may or may not be granted permission to take a make-up exam. If you are allowed to take an exam and have an invalid excuse you will receive a 25% point deduction on the exam. All make-up exams will be administered in the Testing Center, seven days after the scheduled exam date (the make-up exam for the March 11 exam will take place on March 15). It is the responsibility of the student to contact the lecture instructor about scheduling a make-up exam. Make-up exams will not be identical to regular exams. Your Lab instructor will provide information about the policy for missed lab activities.

Students with Disabilities: Students who have physical or learning disabilities who wish to request academic adjustments should notify Disabilities Services so that appropriate accommodations can be made. For more information call or visit Disabilities Services (424-3100, Dempsey 125, www.uwosh.edu/dean/disabilities) or see your instructor.

Academic Integrity: If you decide to cheat on an exam or to engage in other forms of academic dishonesty you will be subject to the Student Academic Disciplinary Procedures as outlined in the Student Disciplinary Code-www.uwosh.edu/stuaff/images/student-discipline-code.

Cell phones

Cell phones or similar hand-held devices must be turned off and packed away at all times during the lecture period. If you need to have a cell phone on for some urgent reason (e.g. to receive an emergency message) you will need to ask about this ahead of time and turn your phone to the vibrate setting.

Academic Assistance

The Center for Academic Resources (CAR) provides free, confidential tutoring for students in most undergraduate classes on campus. CAR is located in the Student Success Center, Suite 102. Check the Tutor List page on CAR's website (www.uwosh.edu/car) for a list of tutors. If your course is not listed, click on a link to request one, stop by SSC 102 or call 424-2290. To schedule a tutoring session, simply email the tutor, let him/her know what class you are seeking assistance in, and schedule a time to meet. Tutoring takes place in SSC 102. The Center for Academic Resources also provides support to students through Supplemental Instruction (SI) and the Peer Educator program. Visit the website for more information.