

Environmental Biology Syllabus

Instructor: James Dauray
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Class Time: Mon/Wed, 5:30pm-8:20pm, Room C134 **(Lecture)**
 Tuesday 5:30pm-9:20pm, Room C225 **(Lab)**

Materials: [Environmental Science, 13th Edition](#) by G. Tyler Miller
[Environmental Biology](#) 7th edition Lab Manual by Cartwright et al.

Class	Topic	Textbook	Due Dates	Lab
1	Introduction to Env. Sci Principles of Science	Ch. 1 Ch.2	Choose a research topic!	Science Methods (#1)
2	Population and Species Interactions	Ch. 4, 5	Quiz #1	Diversity of Life: Plants (#2)
3	Land Ecosystems and Ecological Succession	Ch. 7 p. 123-140	Quiz #2 <i>Amazon Deforestation</i>	Diversity of Life: Animals (#3)
4	Aquatic Ecosystems and Biodiversity	Ch. 7 p. 140-149	Quiz #3 <i>Invasive Species</i>	Air Pollution Simulation (#5)
5	Exam 1 Human Population	Ch. 6		Human Populations
6	Food and Agriculture	Ch. 10	Quiz #4 <i>Dust Bowl, Food Poisoning</i>	Water Pollution Simulation
7	Climate Change	Ch. 15 p382-399	Quiz #5 <i>Hurricane Katrina, Polar bears, Australia</i>	Chemical Water Tests (#7)
8	Midterm Exam		No lecture today!	No lab today!

9	Environmental Health and Toxicology	Ch. 14	<i>Mad Cow Disease, Malaria, Bhopal, Seveso</i>	Beach and Des Plaines River
10	Air Pollution	Ch. 15 p. 369-381	Quiz #6 <i>London Fog, Donora, Asian Hazes</i>	Volo Bog
11	Spring Break – No class			
12	Water Pollution	Ch. 11	Quiz #7 <i>Bangladesh, Baia Mare, Spanish Waste Water, Minamata, Exxon Valdez, Deepwater Horizon</i>	Lake/Pond Assessment at CLC (#8)
13	Exam #3 Renewable Energy	Ch. 13 p. 317-341		Rollins Savanna (#12)
14	Nonrenewable Energy	Ch. 13 p. 296-317	Quiz #8 <i>Gulf War, Chernobyl, Three Mile Island, Tennessee Coal Ash</i>	CLC Prairie Ecosystem (#9)
15	Hazardous Waste, Landfills, and Wastewater Treatment	Ch. 16	Quiz #9 <i>E-Waste, Love Canal</i>	Ryerson Forest (#11)
16	Final Exam			

***Field Trips – Provide own transportation to and from site.**

****Computer simulation: Meet in lab C136. Drinks and food not allowed.**

Grading:	2 Regular Exams, 100 pts each	200	
	9 Quizzes, 10pts each, lowest dropped	80	
	Midterm Exam	150	≥ 90% = A
	14Lab Assignments, 25 pts each	350	80% - 89% = B
	Research Report/Presentation	100	70% - 79% = C
	In class participation (5pts/week)	60	60% - 69% = D
	Ecosystem Report	50	<60% = F
	Final Exam	200	

Quizzes

A quiz will be given during each lecture (unless an exam is scheduled). Each quiz will be 10 questions and based on the previous week's lecture. There will be no quiz if an exam is scheduled that day. Quizzes cannot be made up. The lowest quiz grade will be dropped.

Exams

Two regular exams (100 pts each) will be given approximately every three chapters (see schedule for exact dates) and will only cover material since the last exam. One cumulative midterm (150pts) and final exam (200pts) will be given as well. If for any reason you plan on missing an exam, you must contact me before the day of the exam. Make-up exams will be available for legal or medical absences with documentation. Any make-up exams must be taken within one week.

Study Guides

This is a list of the study guides available for each topic.

Exam 1

- [Introduction to Environmental Science](#)
- [Principles of Science: The Scientific Method](#)
- [Populations and Species Interactions](#)
- [Land Ecosystems and Ecological Succession](#)
- [Aquatic Ecosystems and Biodiversity](#)

Midterm Exam (Cumulative)

- [Human Population and Demographics](#)
 - [Food and Agriculture](#)
 - [Global Warming and Climate Change](#)
- ...and all material from Exam 1

Exam 3

- [Human Health and Environmental Hazards](#)
- [Air Pollution](#)
- [Water Pollution](#)

Final Exam (Cumulative)

- [Renewable Energy](#)
 - [Nonrenewable Energy](#)
 - [Solid Waste and Sewage Treatment](#)
- ...and all material from the rest of the semester

Lab Assignments

There are lab questions and review questions for each lab. The entire lab, including all questions and data tables, must be torn out, stapled, and turned in by the next class meeting date. Some labs, if missed, can be made up independently, others cannot. See the instructor for details.

Class Participation Grade

The 10 points per week class participation grade will be based on attendance, participation in class activities and discussion, and completing in-class assignments.

Research Report

You will write a 4-5 page double-spaced paper (100 pts) on an environmental disaster. See the rubric for more details. There will also be a presentation to accompany this report. The due dates will vary depending on the topic selected.

Communication and Blackboard

We will be using Blackboard, a web based classroom management system. You'll be able to login to Bb <http://clc.blackboard.com> to keep track of assignments, class notes and class announcements. All of the course documents will also be available on Bb. This information will also be distributed through email.

If you are unable to access the email or Blackboard system, please contact the CLC Help Desk at (847) 543-2052. More information on email, usernames, and passwords can be found at <http://www.clcillinois.edu/clcemail.asp>.

Academic Integrity

Any student caught cheating on any test or quiz, or plagiarizing a research paper or lab report will be given a zero for that assignment. Multiple incidents will be cause for removal from the class.

Tutoring and Writing Assistance

Biology tutors and assistance with writing assignments is available through the Writing Center in room L133. Contact them at 847-543-2474 or go to <http://www.clcillinois.edu/depts/lac/writingcenter.asp> for information on hours and appointments. Walk-ins are usually accepted during center hours.

Withdrawal

Last date to drop with refund and no grade is **06/12/2011**. Last day to withdraw with "W" grade is **04/04/2010**. Students who do not plan to complete an enrolled class are responsible for officially dropping the class online or through the touch-tone phone registration system. Students who stop attending class, but do not officially drop remain responsible for all tuition/fees for the class. It is not sufficient to tell me that you want to drop; you must complete the drop/withdrawal action yourself.

Students who stop attending class but do not officially drop will be withdrawn by the institution using the date of last attendance provided by the instructor. Withdrawal grades are:

WS - Withdrawal, stopped attending before **07/10/2011** – no impact on GPA.

WF - Withdrawal stopped attending after **07/10/2011** and failing - equal to "F" on GPA.

Statement on Disabilities

If you have a documented disability that requires accommodations, please discuss this with me as soon as possible and contact the Office for Students with Disabilities to arrange for all necessary services. The office is located in the LRC in room L112. Phone #847-543-2474