

Welcome to Environmental Science 124. Below you will find a tentative course syllabus as well as other relevant information.

Course Title: Environmental Science

Course prefix and number: BIOL 124

Course Goal(s): To provide the student with knowledge and understanding of scientific principles pertaining to environmental issues and how/why these issues are addressed within the context of politics and culture.

Course Objectives: Students successfully completing the course will demonstrate an understanding of, and proficiency with the following.

1. Knowledge and understanding of scientific principles of environmental issues.
2. Identifying and explaining the major environmental issues of the day.
3. How environmental factors influence societies and visa versa.
4. How and why society addresses environmental issues.

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Text: McKinney, M., R.M. Schoch, and L. Yonavjak. 2013.
Environmental Science: systems and solutions. Jones and Bartlett
Publishers. Fifth Edition.

Discussions: You will note the course homepage has an icon for Discussions. You are expected to use this for discussing course content and communicating to other students in the class as well as me, your professor. It can serve a variety of purposes such as Q/A, student discussion, clarification of topics, etc. **Check it and participate in it often!**

Announcements & Communications: I will make class announcements, reminders, and other kinds of communications to you for informative purposes via the **“Announcements.”** I will also communicate with you specifically via class **“Mail.”**

Grading:	4 Hour exams @ 100 points each	400 points
	15 labs @ about 10 points each	150 points
	15 weekly “lecture” quizzes	150 points
	Topical assignments/quizzes	<u>100 points</u>
	Total Points	800 points

A= 100%-90%

B= 89-80%

C= 79-70%

D= 69-60%

F= below 60%

Hour Exams: All exams are objective (e.g. true and false, multiple choice, matching) and will consist of 1 and 2 point questions. Total number of questions will be in the range of 50-70 questions total. These tests will be done on computer.

Labs: Lab will consist of a variety of tasks/formats including worksheets, viewing a video with accompanying worksheet, interviewing people, or studying an issue relating to environmental science. Each lab evaluation will be worth approximately 10 points. I have designed the lab component to be “task related” and allow flexibility for student interest and environment.

Weekly “lecture quizzes:” There will be one quiz (about 10 points) on specified chapters/topics each week. These will consist of about 10 objective questions and done on computer.

Topical assignments/quizzes: Environmental news items are going to appear in the popular press (newspapers and magazines) during the semester. I will incorporate selected newsworthy items into the course. Items may be in the format of a reading followed by a quiz, reading followed by a written student response/position, or other similar formats. I am anticipating this will occur about 10 times, and each time will be worth 10 points.

Tentative Syllabus Fall 2015

Date	Topic	Chapter
Aug. 26-28	Introduction and Overview	“Intro” & Ch 1
Aug 31-Sep 4	Human Population Growth Lab: County Soil Survey Quiz: History and Regions of North America	2
Sep 7-11	The Biosphere Lab: Physical Geography of Planet Earth Quiz: Chapters 2 & 3	3

Sep 14-18	Distribution of Life, Earth Dynamics 1st HOUR EXAM, SAT-SUN SEPTEMBER 19-20 (Intro and Ch 1-5) Lab: Community/Ecosystem video Quiz: Chapters 4 & 5	4,5
Sep 21-25	People and Natural Resources Fundamentals of Energy Lab: Alaska National Wildlife Refuge Quiz: Chapters 6 & 7	6,7
Sep 28-Oct 2	Fundamentals of Energy, Renewable/Alternative Energy Lab: My electricity Quiz: Chapter 8	7,8
Oct 5-9	Water Resources, Mineral Resources Lab: Water Issues Quiz: Chapter 9	9,10
Oct 12-16	Mineral Resources 2nd HOUR EXAM, SAT-SUN OCTOBER 17-18 (Ch 6-10) Lab: Life of a Natural Resource Manager Quiz: Chapter 10	10
Oct 19-23	Conserving Biological Resources Lab: Who are the Environmentalists? Quiz: Chapter 11	11
Oct 26-30	Land Resources and Management Lab: Snowmobiles in Yellowstone Nat. Prk. Quiz: Chapter 12	12
Nov 2-6	Land Resources and Management Lab: The World Outside the U.S. Quiz: Case Study 12-2 & 12-3	12
Nov 9-13	Food and Soil Resources Lab: Seafood: To Eat or Not To Eat? Quiz: Case Study 13-2	13
Nov 16-20	Food and Soil Resources 3rd HOUR EXAM, SAT-SUN NOVEMBER 21-22 (Ch 11-13) Lab: An Environmental Issue – “Student’s Choice” Quiz: Chapter 13	13

Nov 23-27	Principles of Pollution, Control, Water Pollution Lab: No Lab This Week Quiz: Chapter 14	14,15
Nov 30-Dec 4	Water pollution, local/regional /Global Air Pollution Lab: Global Warming Quiz: Chapters 15 & 16	15-17
Dec 7-11	Global Air Pollution, Municipal Waste, Env. Econ. Lab: My Water, Wastewater, and Garbage Quiz: Chapters 17 & 18	17-19

FINAL EXAM (Ch 14-18) SAT-SUN DECEMBER 12-13