

GLY 102 – Spring 2002
Global Environmental Science part 2

Lecture: T – Th 2:00 – 3:20pm Room 121 Cooke

Instructor: Dr. Elisa Bergslien, Office Room 707 Natural Sciences Complex
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Office Hours: Tuesday 3:30 – 4:30pm, Thursday 1 – 2pm and by appointment

Textbooks: Principles of Environmental Science by Cunningham and Cunningham
Annual Editions, Environment 01/02 edited by Allen

Course Overview:

GLY 102 is a continuation of GLY101, but here the emphasis will be on man's effect on the environment. The overall goal of this course is to give you an set of tools by which to evaluate several complex environmental issues.

Homework Assignments: This will be a very reading intensive course. In addition to the textbook readings, each week you will be given a reading assignment from the Annual Editions Environment 01/02 textbook or articles from other common magazines (like Scientific American and Times). Your homework will be to evaluate the articles for content, bias, clarity and overall persuasiveness. Assignment sheets listing the article or articles to be read will be handed out each week along with a list of questions for you to answer based on your reading. Your resulting homework should not be more than two pages long. In deference to the fact that everyone sometimes has a bad week, I will allow you to skip ONE of these assignments. You will still turn in the assignment sheet, but you need to write something like "I am skipping this assignment." You can only get away with this once. LATE HOMEWORKS will only be accepted if you have a doctor's note or other dire emergency. As long as the assignment is turned in on the day it is due (including into my mailbox in the Geology Office (NSC 876) after class) it will not be counted as late.

In-Class Exams and the Final: There will be two in-class exams and a final. They will cover all the material in the textbook, the handouts, and the lectures. The tests will be non-cumulative but this does not mean that you can forget everything that we have covered previously.

Quizzes: There will also be a few very short in-class quizzes. They will mostly cover the material from the previous class and from the textbook readings. Quizzes can only be made up if you have an excused absence (i.e. doctor's note, university sports function, etc.) – if you anticipate missing a class let me know in advance.

Grading:	Exam I	15%	Quizzes	10%
	Exam II	15%		
	Final	15%	Homework	45%

If you have a diagnosed disability which will make it difficult for you to carry out some portion of the coursework as outlined, or requires some accommodations, please contact me during the first two weeks of class so that arrangements can be made to fit your needs.

Syllabus

Date	Topic	Reading *
Jan 22	Introduction	Chapter 1
24	Biochemical Cycles	Chapter 2 pg. 36 – 43
29	Animal Populations	Chapter 3
31	Biodiversity & Incursion	Chapter 5 pg. 105 – 120
Feb 5	Human Populations	Chapter 4
7	Soil	Chapter 7 pg. 153-158; 163-167
12	Environmental Policy	Chapter 15
14	Environmental Policy cont.	Chapter 15
19	EXAM I	
21	Toxicology	Chapter 8
26	Toxicology	Chapter 8
28	Climate	Chapter 9 pg. 192 – 203
Mar 5	Climate Change	Handout
7	Air Pollution	Chapter 9 pg. 203 – 219
12	Water	Chapter 10 pg. 220 – 232
14	Groundwater Pollution	Chapter 10 pg. 232 – 247
19	Groundwater Remediation	Handout
21	EXAM II	
26	SPRING BREAK	
28	SPRING BREAK	
Apr 2	Resources	Chapter 11
4	Resources	Chapter 11
9	National Parks as Resources	Handout
11	Energy	Chapter 12 pg. 268 – 277
16	ANWR and Oil	Handout
18	Alternate Energy	Chapter 12 pg. 277 – 291
23	Solid Waste	Chapter 13 pg. 294 – 303
25	Hazardous Waste	Chapter 13 pg. 303 – 310
30	Sustainability	Chapter 14
May 2	Sustainability	Chapter 14

* All readings listed in the Syllabus are from Cunningham & Cunningham