

ESRM 100      **Introduction To Environmental Science**      Info & Syllabus

*Introduction to Environmental Science is a comprehensive overview of Environmental Science where environmental issues & solutions are examined.*

5 Credits, section A (lecture) meets M,W,F 12:30-1:20, GUG 220.

**Info also available at the CLASS WEB SITE**

<http://soilslab.cfr.washington.edu/esrm100/2010Winter>

Instructors: **Daniel Vogt**, Bloedel 258, ph 685-3292 (dvogt@uw.edu)  
office hours W 9:30-11:30, F 1:30-3:30 or by appointment  
**Darlene Zabowski**, Bloedel 204, ph 685-9550 (zabow@uw.edu)  
office hours: MT 10:30-12:00 or by appointment

TA's:                              **Kim Littke**                      **Krissy Mazur**  
Office Hrs:                      Mon 1:30-3:30              Th 12:00-2:00  
Offices in:                      Bloedel Hall 214              Bloedel Hall 311

**Help Available:** The best way to get help in this course is to send an email message to the help email address:  
**envir110@uw.edu**

**Text:** *Essential Environmental Science* by Keller & Botkin, 2008, John Wiley & Sons, Inc.

**Course Requirements**

**Grading:**      30% first exam,      30% second exam,      25% project,      15% field trip

**Exams:**

Two in-class exams will be given. Exam 1 will be on Feb 6th covering material from the 1st half of the quarter, and Exam 2 will be on Mar 12th and emphasize material from the 2nd half of the quarter. Scantron sheets will be provided for students to take the exam. Please bring a #2 pencil and your student ID #.

**Project for Environmental Science (choose one of the following *project types*):**

Addresses a topic related to the environment which can be basic features, processes, or environmental problems.

- 1) Research Project - do a literature research on some environmental issue,
- 2) Book Review – read a book on the environment from our list and write a report about it.
- 3) Service 'day' - volunteer 1 full day's work with some environmental organization & write about your experience.

*Please see the class website for more info about projects!*

**Field trips:**

Each student will be required to attend one half-day field trip (TBA) and answer the questions given out specifically for that field trip (no more than 2 pages). Responses must be returned within one week of the field trip that you attend

Everyone should state which project they are doing and which field trip they will be attending by, Jan 20 (Wed)

**E-mail distribution list:**

We will set up an email distribution list as soon as we get all of your email addresses.

Please read all emails from us, and we will read all emails from you to us or to **envir110@uw.edu**. Please include "ESRM 100" in the subject line of any message to us. We will then consider it a first priority.

## Syllabus for *Introduction to Environmental Science*

### Winter 2010 LECTURE Class (ESRM 100 Section A)

Date		Text reading	Material covered	Due Dates
<b>Week 1: Chapter 1, 2</b>				
Mon	Jan 4	pages 1-4	Admin, Intro to course: How the course will be taught	
Wed	6	pages 4-35	Issues in Environmental Science, Human Population Growth	
Fri	8	pages 405-409	Matter, Energy, and Life	
<b>Week 2: Chapters 3 - 5</b>				
Mon	Jan 11	pages 36-56	Biogeochemical Cycles	
Wed	13	pages 57-74	Ecosystems	
Fri	15	pages 75-95	Biological Diversity	
<b>Week 3: Chapters 6 &amp; 7</b>				
Mon	Jan 18		<b><u>HOLIDAY</u></b>	
Wed	20*	pages 96-113	Restoration Ecology	* <b><u>project topics &amp; field trip signup due</u></b>
Fri	22	pages 114-133	Biomes	
<b>Week 4: Chapters 8, 9, 12</b>				
Mon	Jan 25	pages 134-153	Environmental Health, Pollution and Toxicology	
Wed	27	pages 154-177	Agriculture and Soils	
Fri	29	pages 247-266	Oceans and Fisheries	
<b>Week 5: Chapters 11 &amp; 12</b>				
Mon	Feb 1	pages 210-246	Water	
Wed	3	pages 210-246	Water Quality	
Fri	5		<b><u>Exam1</u></b>	
<b>Week 6: Chapters 10 &amp; 13</b>				
Mon	Feb 8	pages 178-209	Energy Sources & Uses; Fossil Fuels, Nuclear Power	
Wed	10	pages 178-209	Energy Conservation - Alternative Energy	
Fri	12	pages 267-289	Earth's Atmosphere and Climate	
<b>Week 7: Chapters 14 &amp; 15</b>				
Mon	Feb 15		<b><u>HOLIDAY</u></b>	
Wed	17	pages 290-317	Air Pollution	
Fri	19	pages 318-331	Mineral Resources and Resource Management	
<b>Week 8: Chapter 16 - 18</b>				
Mon	Feb 22	pages 332-350	Waste Management	
Wed	24	pages 374-388	Environmental Economics	
Fri	26	pages 351-373	Geology and Natural Hazards	
<b>Week 9: Chapter 19</b>				
Mon	Mar 1**		Sustainable Cities	** <b><u>project due</u></b>
Wed	3		Planning for a Sustainable Future	
Fri	5	pages 389-404	Environmental Law	
<b>Week 10:</b>				
Mon	Mar 8		Environmental History and Ethics	
Wed	10		Wrapup; Student Evaluations	
Fri	12		<b><u>Exam 2</u></b>	
<b><u>No Final Exam!!!</u></b>				

### **Academic Integrity**

Plagiarism, cheating, and other misconduct are serious violations of your contract as a student. We expect that you will know and follow the University's policies on cheating and plagiarism. Any suspected cases of academic misconduct will be handled according to University regulations. More information, including definitions and examples, can be found at:

<http://depts.washington.edu/grading/issue1/honesty.htm>

### **Disability Accommodations**

To request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz, (206)543-8924 (V/TTY). If you have a letter from Disabled Student Services indicating that you have a disability which requires academic accommodations, please present the letter to the instructor so we can discuss the accommodations needed for this class.

### **Field Trip Insurance**

Field Trip insurance is strongly recommended for all students registered in any CFR course which includes field trips. Students who do not have the regular University health insurance or adequate personal coverage should consider obtaining a special short-term policy at \$0.85 per day for the course of the field trips. Information and applications are available on pages 27-29 at:

[http://www.washington.edu/admin/risk/documents/Field\\_Trip\\_Guidelines.pdf](http://www.washington.edu/admin/risk/documents/Field_Trip_Guidelines.pdf) The completed application and payment (made out to the University of Washington) must be made to the Cashier's Office, 129 Schmitz Hall before the trip.