

## Principals of Environmental Science/Environmental Studies

BIO K180/ENV K101; Summer 2010; Tuesday and Thursday 9AM-12PM; Room B212

### Instructor

Elizabeth K. Timpe

Office Hours: Tuesday 12-2:30, room TBA

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\*Email is the best way to get in touch with me

### Text\*:

Environmental Science: Toward a Sustainable Future, 10<sup>th</sup> ed.

Richard T. Wright

(ISBN 0132302659)

\*The purpose of the assigned textbook reading is to give you another version of the material. You are not expected to know everything in the chapters assigned; however, you should go over your lecture notes outside of class, and use the textbook to fill in places where your notes are lacking.

### Class Schedule

Day	Date	Chapter	Lecture Topic	Discussion Topic
1	June 22	1	Introduction to course; Sustainability, Stewardship, and Sound Science	None
2	June 24	2, 3	Ecosystems: What they are? Ecosystems: How they work?	The BP oil spill and Gulf of Mexico marsh ecosystems -EKT
3	June 29	4, 11	Ecosystems: How they change? Ecosystems as Resources	Deforestation for resources
4	July 1	5, 6	The Human Population; Addressing Population Concerns	Human overpopulation
5	July 6	7, 17	Water: Hydrological Cycle; Water Pollution	The effects of endocrine disrupters (e.g., Atrazine) in water sources
6	July 8	8	Soil and Soil Ecosystems	Fire ecology
7	July 13	9	The Production and Distribution of Food (watch Food, Inc.)	Sustainable agriculture
8	July 15	Midterm		
9	July 20	10, 16	Wild Species: Biodiversity and Protection; Pests and Pest Control	Amphibian declines: The worst extinction since the dinosaurs?
10	July 22	12, 13	Energy from Fossil Fuel; Nuclear Power	Nuclear power: friend or foe?
11	July 27	14, 15	Renewable Energy; Environmental Health	Ethanol-based fuels: friend or foe?
12	July 29	18, 19	Solid Waste; Hazardous Waste	Composting
13	August 3	20, 21	The Atmosphere: Climate, Ozone Depletion; Atmospheric Pollution	Global warming debate
14	August 5	22, 23	Public Policy and the Environment; Sustainable Communities	Free topic
15	August 10	Presentations		
16	August 12	Final		

### **Grade Determination**

	<b>Percentage</b>
Midterm (Chapters 1-9, 11, 17)	30%
Group presentation <sup>‡</sup>	20%
Final (Chapters 10, 12-16, 18-23)	35%
Participation in class discussions*	15%

<sup>‡</sup>More details about group presentations will be given at a later date.

\*Each lecture will run between 1.5 and 2 hours. After a short 10-minute break, we will discuss a paper from either popular media or a scientific journal regarding a current topic pertaining to environmental science (e.g., climate change, oil spills, overpopulation, biodiversity loss) in the remaining class time. This will require you to read the paper/article before class so that you are adequately prepared for the discussion. Each student will lead one of the discussions.

Also, because this is a summer course, the speed of the course and the amount of content per class period is accelerated. Make sure to keep up with the readings and utilize my office hours (Tuesday 12-2:30, room TBA) if you are unclear about anything covered in class to avoid falling behind.

### **Attendance**

In order to keep up with the fast pace of the course, as well as get the full amount for your participation grade, attendance is expected of each student. Of course if you fall ill or have an emergency, please notify me via email BEFORE the missed class period and I will make sure to pass along the missed information. There will be no makeups allowed for missed exams.

### **Academic Conduct**

Academic misconduct in any form is in violation of the Student Code and will not be tolerated. This includes, but is not limited to, copying or sharing answers on exams, plagiarism, and having someone else do your academic work. Depending on the act, a student could receive a failing grade on a particular assignment/test, a failing grade for the course, or be suspended or expelled.

For your knowledge, cheating and plagiarism are defined below:

Cheating is defined as the giving of assistance to another or the receiving of assistance from another person, another examination paper, other written material, or any source not explicitly permitted by the instructor, is cheating. Thus, you may not look at another's paper or answers; you may not show your paper or answers to another or leave your paper or answers around for others to look at; and, you may not verbally read or reveal your answers to another. It is also cheating to have access, without the instructor's approval, to examination, quiz, or test questions prior to the administration of the examination, quiz, or test. Plagiarism is the submission or presentation of ideas or work in any form that are not one's own without appropriate acknowledgement of the source(s). Even with the acknowledgement, close paraphrasing can constitute plagiarism. You may quote the work of others if properly referenced.

### **Students with Learning Disabilities**

If you need special accommodations for testing (e.g., extra time), please let me know as soon as possible.

Please go on the college website at <http://www.trcc.commnet.edu/SecTier/stuserv.html> to view all student resources and related information as well as the student handbook.