

## **ENVIRONMENTAL ECONOMICS**

### **ECON 3545**

### **SUMMER 2017**

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<b>Instructor:</b>	Zach Szlendak
<b>Class Meeting:</b>	MTWRF 11:00—12:35 ECON 119
<b>Office Hours:</b>	MWRF 10:00-10:45 ECON 14
<b>Class Website:</b>	Desire2Learn (D2L)
<b>Email Address:</b>	Zachary.Szlendak@colorado.edu

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### **COURSE DESCRIPTION**

Economic perspectives can give insights into the optimal use and preservation of our natural environment. In this course we will examine the contributions of economics to studying environmental issues and analyzing environmental policies from an economic perspective. From this course students should have a clear understanding of how economic theory informs public policy as well as some knowledge of what policies are currently being used in environmental issues.

This course is designed for non-economics majors and as such will require less math than other economic courses (see prerequisites). Instead we will blend learning economic theory and (some) mathematical models with discussion of real world examples.

### **TEXT**

Tom Tietenberg & Lynne Lewis (2009). *Environmental Economics & Policy*, Pearson, 6th Edition (required). Additional readings may be assigned that require students to access economic journals. Access is free on campus and via the CU VPN.

### **PREREQUISITES**

A basic understanding of microeconomics is required for this class. Students should have previously taken ECON 2010 (Principles of Microeconomics) or an equivalent class at another institution. This course requires students to know basic algebra at the same level as the aforementioned ECON 2010. There will be no formal math review as part of this class.

### **GRADING**

Homework	15%
Literature Review	10%
Participation	15%
Midterms	40%
Final	20%

Homework (D2L):	Homework will be done on D2L. It will be due most days before class starts. Homework will be graded on a check/check minus system. The lowest homework score will be dropped. There is no makeup policy.
Literature Review:	At the end of the semester, students will be expected to turn in one literature review. This literature review must be on an approved subtopic of material covered in class.
Participation:	If a student shows up, is respectful, and tries to learn then the student will get full participation points. One day will be dropped.
Midterms:	There will be 2 multiple midterms. Each midterm will be worth 20%. Midterms will be composed of two parts, a take home essay and an in class multiple choice exam.
Final:	The final will be composed of two parts, a take home essay and an in class multiple choice exam.

### **TENTATIVE SCHEDULE**

<u>Date</u>	<u>Topic</u>	<u>Chapter</u>
7/11/2017	Syllabus day and micro review	
7/12/2017	What is environmental economics	1
7/13/2017	Market Failures	4
7/14/2017	Market Failures 2	4
7/17/2017	Population	6
7/18/2017	Sustainability	5
7/19/2017	TBD	
7/20/2017	Midterm I	
7/21/2017	Valuation	2
7/24/2017	Valuation II	3
7/25/2017	Economics of Pollution	14
7/26/2017	Economics of Pollution II	14
7/27/2017	Stationary Air Pollution	15
7/28/2017	Climate Change	16
7/31/2017	TBD	
8/1/2017	Midterm II	
8/2/2017	Transportation	17
8/3/2017	Water Pollution	18
8/4/2017	Water Pollution II	18
8/7/2017	Waste and Recycling	19
8/8/2017	Development and the Environment	20
8/9/2017	Development and the Environment	20
8/10/2017	Review	
8/11/2017	Final	

### **CHEATING**

Cheating on exams will include, but not be limited to, looking at others' work, talking to others, accessing electronic devices (including unapproved calculators), and sharing work with others. Students that need to use the restroom during an exam may be escorted by TAs or the instructor. Students caught cheating on an exam will receive a 0 on the exam and their final letter grade will be dropped by 10%. Students who have their work copied on an exam will receive the same punishment unless they

are able to prove they took reasonable steps to prevent the cheating. Students will also be reported to the Honor Council for further disciplinary action.

### **ELECTRONICS**

Laptops are allowed, however if a student is caught browsing the internet, that student will lose their laptop privileges. Earbuds and headphones are not allowed. Excessive cell phone use is not allowed. Students who fail to follow these policies will be asked to leave and receive a 0 for the day.

### **MAKE UP WORK**

There will be no make-up work unless students have university sanctioned absences, serious injury, or an emergency that prevents class attendance. Students are required to provide proof that their absence has met these criteria. A note that a student merely attended a medical facility will be insufficient.

### **ADDITIONAL INFORMATION**

#### **Students with Disabilities**

If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services in a timely manner so that your needs be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Center for Community N200, and <http://www.Colorado.EDU/disabilityservices>.

If you have a temporary medical condition or injury, see guidelines at <http://www.colorado.edu/disabilityservices/go.cgi?select=temporary.html>.

Disability Services' letters for students with disabilities indicate legally mandated reasonable accommodations. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/disabilityservices>.

#### **Religious Observance Policy**

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments, or required attendance. If you have a conflict, please contact me at the beginning of the term so we can make proper arrangements.

#### **Classroom Behavior Policy**

Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to such behavioral standards may be subject to discipline. Faculty has the

professional responsibility to treat all students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which they and their students express opinions.

Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender variance, and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. See policies at <http://www.colorado.edu/policies/classbehavior.html> and at [http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student\\_cod](http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_cod)

### **Honor Code**

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council ([honor@colorado.edu](mailto:honor@colorado.edu); 303-725-2273).

Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at [honorcode.colorado.edu](http://honorcode.colorado.edu) or <http://www.colorado.edu/policies/honor.html>.

### **Discrimination & Harassment Policy**

The University of Colorado at Boulder Discrimination and Harassment Policy and Procedures, the University of Colorado Sexual Harassment Policy and Procedures, and the University of Colorado Conflict of Interest in Cases of Amorous Relationships Policy apply to all students, staff, and faculty. Any student, staff, or faculty member who believes s/he has been the subject of sexual harassment or discrimination or harassment based upon race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492- 2127, or the Office of Student Conduct (OSC) at 303-492-5550. Information about the ODH, the above referenced policies, and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://www.colorado.edu/odh>.