

ECON 3535: Natural Resource Economics

MWF 12:40-1:30

Instructor: Kyle Butts

Email: kyle.butts@colorado.edu

Office Hours: W 10:30-12:30 and by appointment

Please allow me 24 hours to respond to all emails. If you need help with course material, please see me during my office hours. If you need more help than can be provided in office hours, consider visiting the department's undergraduate tutor or viewing the department's private tutor list: http://www.colorado.edu/econ/undergraduate/tutor_list.pdf

Course Description

This course in natural resource economics will introduce students to the relationship between natural resources and the economic system. Classic allocation problems for renewable and nonrenewable resources will be examined. Understanding the incentives faced by users of natural resources will allow us to consider market failures and the important question of whether or not market interventions are justified on economic grounds. Because natural resources play a central role in many current energy and environmental policy debates, this course will also address institutions and policy issues related to climate change, ecosystem services, renewable energy, transportation, and sustainability.

Textbook

I will assign readings from this book and from other sources, all posted on Canvas. I will not ask you to own a physical copy of the textbook. There is a pdf of the book available for free online.

Environmental and Natural Resource Economics, 9th Edition by Tietenberg and Lewis; ISBN-13: 978-0131392571.

Grading

Assignment	Percentage
Midterm	30%
Assignments	30%
Final	40%

We will have two midterms, but I will only count the higher grade of the two. The final exam will be cumulative, but more heavily weighted towards the most recent material.

I will curve each midterm separately. After the final exam I will curve the final grades so that the average grade for the whole class is an 81 (B-). The curve follows a strict formula, and I will not manually adjust grades for any reason. Letter grades are assigned according to the standard numerical formula used at CU:

Grade	Percentage	Grade	Percentage
A	$93 \leq x$	C	$73 \leq x < 77$
A-	$90 \leq x < 93$	C-	$70 \leq x < 73$
B+	$87 \leq x < 90$	D+	$67 \leq x < 70$
B	$83 \leq x < 87$	D	$63 \leq x < 67$
B-	$80 \leq x < 83$	D-	$60 \leq x < 63$
C+	$77 \leq x < 80$	F	$x < 60$

If you have university testing accommodations, let me know well ahead of the exam so that I can set things up to suit your needs.

Assignments

There will be one math assignment and one literature review assignment. The math assignment will involve using economic models to solve problems related to natural resource allocation. These will be graded for correctness, and you may work alone or in groups of up to four. Each group will turn in a single assignment and receive a shared grade.

The written assignment will be of a “literature review” format, where you will choose a research question and write a paper discussing the academic literature around that

question. I will provide detailed guidelines for this assignment. Literature reviews will be graded based on effort and meeting the guidelines.

Course Policies

Attendance - I will not be taking attendance, so skip class at your own risk. Lecture slides will be posted on Canvas. The slides are a valuable study tool for the exams, but it will be hard to do well without regular attendance.

Makeups - There will be no makeup tests, even if your reason for missing the test is very good. If a test conflicts with a mandatory CU event, we can arrange to have you take it before the test day, but not after. Similarly, assignments are given well ahead of their due date, so late assignments will not receive credit.

Email - Feel free to email me with questions about the course. However, if you want to talk about why you got a particular grade, you must come to office hours. Please give me 24 hours to respond before sending another email.

Office Hours - If you have a schedule conflict during my office hours, you may email me to set up a different time to meet.

Cheating - Don't do it, you will automatically get a zero.

Tentative Course Outline

Week	Days	Monday	Wednesday	Friday	Assignment Due Sunday 11:59pm
1	1/15			Topic 1 - Economic Fundamentals Lecture 1	
2	1/18-1/22	Lecture 2		Lecture 3	
3	1/25-1/29	Lecture 4	Lecture 5	Lecture 6	
4	2/1-2/5	Lecture 7	Lecture 8	Lecture 9	
5	2/8-2/13	Lecture 10	Lecture 11	Lecture 12	Math Assignment
6	2/15-2/19	Midterm	Topic 2 - Energy Resources Lecture 13		
7	2/22-2/26	Lecture 14	Lecture 15	Lecture 16	
8	3/1-3/5	Lecture 17	Lecture 18	Lecture 19	
9	3/8-3/12	Lecture 20	Lecture 21	Topic 3 - Pollution and Climate Change Lecture 22	
10	3/15-3/19	Lecture 23	Lecture 24	Lecture 25	
11	3/22-3/26	Lecture 26	Midterm	Topic 4 - Valuation and Non-Energy Resources Lecture 27	
12	3/29-4/2	Lecture 28	Lecture 29	Lecture 30	Literature Review
13	4/5-4/9	Lecture 31	Lecture 32	Lecture 33	
14	4/12-4/16	Lecture 34	Lecture 35	Lecture 36	
15	4/19-4/23	Review	Review	Review	
16	4/26-4/30	Review			
FINAL - May 3rd 1:30-4pm					

University Policies

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 can be addressed. Disability services determine accommodations based on documented disabilities. Contact: 303-492-8671, Center for Community N200.

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.

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; 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: <http://www.colorado.edu/policies/honor.html> and at <http://www.colorado.edu/academics/honorcode/>

Discrimination & Harassment Policy: The University of Colorado Policy on Sexual Harassment applies to all students, staff and faculty. Sexual harassment is unwelcome sexual attention. It can involve intimidation, threats, coercion, or promises or create an environment that is hostile or offensive. Harassment may occur between members of the same or opposite gender and between any combinations of members in the campus community: students, faculty, staff, and administrators. Harassment can occur anywhere on campus, including the classroom, the workplace, or a residence hall. Any student, staff or faculty member who believes s/he has been sexually harassed should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH and the campus resources available to assist individuals who believe they have been sexually harassed can be obtained at: <http://www.colorado.edu/odh/>