

A A E 246 section 001

Climate Change Economics and Policy

COURSE INFORMATION

Climate Change Economics and Policy

A A E 246 001 (3 Credits)

2022 Spring [1224]

Description

Climate change and the role of applied economics in related policy analysis and research. Economics of mitigation, adaptation and geo-engineering; integrated assessment; environmental implications of energy use; climate change impacts on land use. Use of economic analysis and modeling for public policy design. Enroll Info: None

Prerequisite(s)

None

Breadths

S - Social Science

Instruction Mode

Classroom Instruction

Section Level Com B

False

Department: Agricultural and Applied Econ

College: Agricultural and Life Sciences



2022 Spring [1224]

Term Start Date: Tuesday, 23-Nov-2021 **Term End Date:** Wednesday, 15-Jun-2022

 **ADD TO CALENDAR**

Location and Schedule: DeLuca Biochemistry Building 1120 TR 12:05 PM-12:55 PM

CRN: 845361224

How Credit Hours are Met :

How Credit Hours are Met

The credit standard for this course is met by an expectation of a total of 135 hours of student engagement with the courses learning activities (45 hours per credit), which include lectures, discussion section, reading, writing, problem sets, exams, quizzes, and other student work as described in the syllabus.

INSTRUCTORS AND TEACHING ASSISTANTS (TAs)

Instructor



Corbett GRAINGER

✉ CORBETT.GRAINGER@WISC.EDU

Instructor Availability and Preferred Contact :

Office Hours: Mondays 2:00-4:00 pm.

Office: 412 Taylor Hall

You can reach me via email, **but please use email sparingly**. Clarifying questions about the material should be posed during the weekly TA session or office hours.

TA Availability and Preferred Contact :





Garrett Shost

Office Hours: Wednesdays 10:00 am - 12:00 pm.





Email: shost@wisc.edu

COURSE OUTCOMES, GRADING, and OTHER COURSE MATERIALS

Course Learning Outcomes (CLOs) :

-  Evaluate policies for reducing carbon emissions using economic concepts such as marginal costs and total welfare.
-  Understand why climate change arises due to a market failure.
-  Analyze the causes of and solutions for the sustainability challenge of climate change.
-  Explain the social, economic, and/or environmental dimensions of the sustainability challenge(s) of climate change.



-  understand how anthropogenic climate change imposes costs on society.
-  characterize policy solutions to curb catastrophic climate change.
-  characterize market-based policies and understand why different policy approaches have different costs.
-  characterize distributional impacts of climate change as well as policy interventions.

Grading :

Your grade will be based on the following formula:

Quizzes: 30%
Midterm Exam 1: 20%
Midterm Exam 2: 20%
Final Exam: 30%

Course Website, Learning Management System and Digital Instructional Tools :

All materials will be accessed through the course website on Canvas.

Discussion Sessions :

Discussion sessions will be led by Garrett Shost, the Teaching Assistant for AAE 246. Attendance is not directly counted toward your grade, but exams and quizzes may include material discussed in these sessions.

Required Textbook, Software, & Other Course Materials :

[Climate Shock! by Wagner and Weitzman](#)

Other readings will be posted on Canvas.

Homework & Other Assignments :

No Response

EXAMS, QUIZZES, PAPERS & OTHER MAJOR GRADED WORK

Exams, Quizzes, Papers & Other Major Graded Work :



We will have quizzes roughly once a week (excluding exam weeks) on Canvas. These are intended to make sure that students are keeping up with assigned readings and lectures and that students understand the material. 30% of your course grade will be based on your average quiz grade for the semester. *I will drop your two lowest quiz scores in that calculation.*

There will be two midterm exams (20% each) and one final exam (30%).

ADDITIONAL COURSE INFORMATION AND ACADEMIC POLICIES



Teaching & Learning Data Transparency Statement

The privacy and security of faculty, staff and students' personal information is a top priority for UW-Madison. The university carefully reviews and vets all campus-supported digital tools used to support teaching and learning, to help support success through [learning analytics](#), and to enable proctoring capabilities. View the university's full [teaching and learning data transparency statement](#).



Privacy of Student Records & the Use of Audio Recorded Lectures Statement

View [more information about FERPA](#).

Lecture materials and recordings for this course are protected intellectual property at UW-Madison. Students in this course may use the materials and recordings for their personal use related to participation in this class. Students may also take notes solely for their personal use. If a lecture is not already recorded, you are not authorized to record my lectures without my permission unless you are considered by the university to be a qualified student with a disability who has an approved accommodation that includes recording. [Regent Policy Document 4-1] Students may not copy or have lecture materials and recordings outside of class, including posting on internet sites or selling to commercial entities, with the exception of sharing copies of your personal notes as a notetaker through the McBurney Disability Resource Center. Students are otherwise prohibited from providing or selling their personal notes to anyone else or being paid for taking notes by any person or commercial firm without the instructor's express written permission. Unauthorized use of these copyrighted lecture materials and recordings constitutes copyright infringement and may be addressed under the university's policies, UWS Chapters 14 and 17, governing student academic and non-academic misconduct.





How to Succeed in This Course

Resource links to other campus services:

- [University Health Services](#)
- [Undergraduate Academic Advising and Career Services](#)
- [Office of the Registrar](#)
- [Office of Student Financial Aid](#)
- [Dean of Students Office](#)
- [Graduate Student Services](#)



Course Evaluations

Students will be provided with an opportunity to evaluate this course and your learning experience. Student participation is an integral component of this course, and your confidential feedback is important to me. I strongly encourage you to participate in the course evaluation.

Digital Course Evaluation (AEFIS)

UW-Madison uses a digital course evaluation survey tool called [AEFIS](#). In most instances, you will receive an official email two weeks prior to the end of the semester, notifying you that your course evaluation is available. In the email you will receive a link to log into the course evaluation with your NetID. Evaluations are anonymous. Your participation is an integral component of this course, and your feedback is important to me. I strongly encourage you to participate in the course evaluation.



Students' Rules, Rights & Responsibilities

Rights & Responsibilities

For spring 2022, instructors and students should consult the following website for current campus health and safety guidance: covidresponse.wisc.edu.



Diversity & Inclusion Statement

Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals. The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background – people who as students, faculty, and staff serve Wisconsin and the world.





Academic Integrity Statement

By virtue of enrollment, each student agrees to uphold the high academic standards of the University of Wisconsin-Madison; academic misconduct is behavior that negatively impacts the integrity of the institution. Cheating, fabrication, plagiarism, unauthorized collaboration, and helping others commit these previously listed acts are examples of misconduct which may result in disciplinary action. Examples of disciplinary action include, but is not limited to, failure on the assignment/course, written reprimand, disciplinary probation, suspension, or expulsion.



Accommodations for Students with Disabilities

The University of Wisconsin-Madison supports the right of all enrolled students to a full and equal educational opportunity. The Americans with Disabilities Act (ADA), Wisconsin State Statute (36.12), and UW-Madison policy ([UW-855](#)) require the university to provide reasonable accommodations to students with disabilities to access and participate in its academic programs and educational services. Faculty and students share responsibility in the accommodation process. Students are expected to inform faculty of their need for instructional accommodations during the beginning of the semester, or as soon as possible after being approved for accommodations. Faculty, will work either directly with the student or in coordination with the McBurney Center to provide reasonable instructional and course-related accommodations. Disability information, including instructional accommodations as part of a student's educational record, is confidential and protected under FERPA. (See: [McBurney Disability Resource Center](#))



Academic Calendar & Religious Observances

[Academic Calendar & Religious Observances](#)

