

## A A E 246 section 001 Syllabus

### Climate Change Economics and Policy

## COURSE INFORMATION

*This information is identified in the data feed from the Student Information System (SIS).*

### Climate Change Economics and Policy

A A E 246 001 ( 3 Credits )

2023 Spring [1234]

#### **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.

#### **Prerequisite(s)**

None

#### **Breadth**

S - Social Science

#### **Instruction Mode**

Classroom Instruction

#### **Section Level Com B**

False

**Department:** Agricultural and Applied Econ

**College:** Agricultural and Life Sciences



**2023 Spring [1234]**

**Term Start Date:** Tuesday, 24-Jan-2023 **Term End Date:** Monday, 15-May-2023

 [ADD TO CALENDAR](#)

**Location and Schedule:** Russell Laboratories 184 TR 12:00 PM-12:50 PM

**CRN:** 698451234

*Instructors listed in the Student Information System will be displayed here.*

## Instructor



Corbett GRAINGER

✉ CORBETT.GRAINGER@WISC.EDU

## Instructor Availability and Preferred Contact:

*Add information that is useful to students such as office hours will be conducted remotely, email and preferred contact information. Include if occasional exceptions may be made following physical distancing and health recommendations.*

Office Hours: Wednesdays 1:00-3:00 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 :

*Add information that is useful to students such as office hours will be conducted remotely, email and preferred contact information. Include if occasional exceptions may be made following physical distancing and health recommendations.*

Danjing Lei

Office Hours: Tuesday 2-4:00pm

Office Location: Taylor Hall 302

Email: dlei7@wisc.edu

## How Credit Hours are Met:

*Pick the case that best matches with your course. The first option is most general and covers most cases. Use the Description Box to further describe how the credits are met (i.e., lab sections, discussion sections, variable credits, etc.)*

*Communicate the amount and importance of expected coursework, including work both during and outside of class meetings. Instructors may choose to explain the importance of workload in relation to the credit hour in their own words or select from the options shown. Review the [UW-Madison Credit Hour Policy](#).*





### 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.



## Course Learning Outcomes (CLOs):

*List course learning outcomes. Some courses have governance-approved course learning outcomes, which can be found in Lumen and are imported into AEFIS nightly. If the course does not have governance-approved learning outcomes, find guidance on how to write [learning outcomes](#).*

-  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.

## INSTRUCTOR to STUDENT COMMUNICATION

### Course Website and Digital Instructional Tools:

*Provide link to course website (if available).*

*Provide information about the university's learning management system, [Canvas](#), and other university instructional tools or platforms (e.g., [Zoom](#), [MS Teams](#), [WebEx Meetings](#), etc.) that will be used in the course.*



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

## Discussion Sessions:

*Add information specific to discussion sections as appropriate including modality.*

Discussion sessions will be led by Danjing Lei, 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 and Other Course Materials:

- *List any required materials such as text books, open educational resources and eTexts.*
- *List any required course fees including eText fees, if applicable.*
- *List any required software or tools, even if available at no additional cost as part of UW-Madison licensing. Include directions on how students can access the software or tools, such as through the [Campus Software Library](#).*

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

Other readings will be posted on Canvas.

## Homework and Other Assignments:

- *Provide rules and expectations concerning homework.*
- *Explain how assignments will be submitted (e.g., online, Canvas, Dropbox, instructor mailbox, etc.).*

Homework will be announced in class and on Canvas and will be submitted through Canvas. Late HW will not be accepted. Each student's lowest HW grade will be dropped when calculating course grades.

## EXAMS, QUIZZES, PAPERS, COURSE SCHEDULE and GRADING

### Exams, Quizzes, Papers and Other Major Graded Work:

- *List the summary period and the expectations associated with it. View the [Summary Period for Academic Semester Policy](#).*
- *Include relevant details such as dates, if the exam or quiz is cumulative, open-book or open-note, whether access to electronic devices is allowed, etc.*
- *Note if exams or quizzes will be proctored (see the "General Guidelines for Exam Proctoring" section below).*
- *Explain policies for make-up and/or late work.*

#### **General Guidelines for Exam Proctoring**

*Instructors should inform students in advance and include a statement in the course syllabus if proctoring (remote or in person) will be required. Instructors should also clearly state in the syllabus that failure to use the proctoring service assigned will result in specific consequences (e.g., zero on exams,*



quizzes, etc.). Once the decision to use the proctoring service is made by the instructor and the student has registered for the class, the use of proctoring is a condition of enrollment in the class. This should be stated explicitly in the syllabus. Additionally, it is within the instructor's discretion to engage the use of a proctoring service, such as [Honorlock](#), during the semester if circumstances result in exams or other testing moving from in-class to online or another virtual option.

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. 15% 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%).

## Course Schedule/Calendar:

*Include a course calendar/schedule/grid that outlines the coursework and deadlines. This can help students plan their time accordingly and know what to expect.*

See Canvas.

## Grading:

- *Indicate how the course is graded and relative weights of assessments.*
- *Provide linkage between weights and letter scores, if possible.*
- *Indicate whether the final grades are curved or not.*
- *Indicate whether attendance and/or participation is part of the grading.*
- *Separate grading requirements for graduate students, if required. View [Policy on Graduate-Level Course Attributes](#).*

Your grade will be based on the following formula:

Quizzes: 15%

Homework Assignments: 15%

Midterm Exam 1: 20%

Midterm Exam 2: 20%

Final Exam: 30%

## ACADEMIC POLICIES and STATEMENTS



### Syllabus Statements

<https://guide.wisc.edu/courses/#SyllabusStatements>



