

**University of California, San Diego**  
**Department of Economics**  
**Summer Session II 2019**

**ECON 131: Environmental Economics**

Prof. Augusto Nieto Barthaburu  
Lectures: MW 11:00-1:50 PM at Center Hall 105  
Email: [anieto@ucsd.edu](mailto:anieto@ucsd.edu)  
Office Hours: MW 3:00-4:30 PM  
Office: Economics 113  
Website: [triton.ed.ucsd.edu](http://triton.ed.ucsd.edu)

**Textbook**

Tom Tietenberg and Lynne Lewis, *Environmental and Natural Resource Economics* (ENRE), 11<sup>th</sup> Edition (2018).

This text is a comprehensive introduction to environmental problems in economics. We will follow the textbook fairly closely during the course. Copies are available on reserve at Geisel Library.

An eBook is available as a purchasing option for this course. You can access this eBook by clicking the RedShelf tool within TritonEd. **If you opt-in to this eBook by clicking the Opt-in Now button your student account will be charged directly.** You will also receive an email with the exact amount of this charge. Within the add/drop period you may also opt-out of this option if you decide you'd rather use an alternate format. **If you opt-in for the textbook but want to cancel the purchase, you must do so by 8/10/19 to avoid being charged.**

**Course Description**

The purpose of this course is to provide an introduction to environmental problems from an economic perspective. In the first part of the course we will introduce economic tools that will be useful to think about environmental economics issues. The main application in this part is pollution control, which is intimately related to climate change mitigation. The second part of the course will deal with efficient use of natural resources.

**Course website**

We will use a web page located at <https://triton.ed.ucsd.edu/>. We will post information relevant to the course, the syllabus, lecture notes, problem sets and practice tests, solutions, etc. You should check this page regularly.

**Grading**

Midterm: 40%, in class on Wednesday, August 21.

Final: 60%, please check the schedule of classes for time, date and room.

## Homework

Homework will be assigned but not collected. Solutions for each problem set will be provided on the course's web site. **It is very important that you work on the problem sets and understand them, since they are the best preparation for the exams.**

## Teaching Assistants

Name	Email	Location	Office Hours
Bruno Lopez Videla	brlopezv@ucsd.edu	Sequoyah Hall 108	Thursday 5:00-6:30 PM
Julian Martinez Iriarte	jum024@ucsd.edu	Sequoyah Hall 228	Tuesday 1:00-2:30 PM

## Administrative Issues:

1. If you have a documented disability, please talk to Brittany Thompson at Sequoyah Hall 245. Bring your documentation with you. Do it as soon as possible so that we can make suitable accommodations for you.
2. If you arrive late to an exam, I will allow you to take the exam in the time that remains **as long as no one has turned in his/her exam and left the room**. If a classmate has already turned in his/her exam by the time you arrive, you will earn a zero on that test.
3. If you have to miss a midterm **for a medical or other University approved reason**, the weight of that exam will be allocated to the final exam. In that case, you will need to provide proof of your situation. The weights will not be reallocated for any other reason.
4. All students must take the final exam at the scheduled date and time, so if you have any conflicts with other exams you are advised not to take this course (or the other courses that this course's exam conflicts with).
5. UCSD now has automated waitlists. If you have any questions regarding adding the course, please contact the undergraduate advisors in Sequoyah Hall 245.
6. **Academic dishonesty will not be tolerated.** Students are expected to do their own work, as outlined in the UCSD Policy on Integrity of Scholarship. All suspected cases of academic dishonesty will be reported to the Academic Integrity Coordinator. In addition to the penalties imposed by the Academic Integrity Review Board, **I also reserve the right to fail students found guilty of academic misconduct.**

## **COURSE OUTLINE**

### **PART I: Markets and the Environment**

#### **Topic 1:** Introduction

ENRE, Chapter 1

#### **Topic 2:** Valuing the Environment

ENRE, Chapters 3 and 4

#### **Topic 3:** Externalities, Property Rights and Pollution Control

ENRE, Chapters 2 and 14

### **PART II: Markets and Natural Resources**

#### **Topic 4:** Depletable Resources : Dynamic Efficiency

ENRE, Chapter 5

#### **Topic 5:** Water

ENRE, Chapter 9

#### **Topic 6:** Land Use

ENRE, Chapter 10

#### **Topic 7:** Forestry

ENRE, Chapter 11

#### **Topic 8:** Fisheries

ENRE, Chapter 12