

Department of Economics  
Hacettepe University

## **ECO 448 Natural Resources and Environmental Economics** *Spring 2015-2016*

### **Course Information**

- Instructor** Dr. Shihomi Ara-Aksoy  
Office: Department of Economics  
Email: sara@hacettepe.edu.tr
- Time/Place** **Tuesdays 9:00 – 11:45 @ ~~Osman Okyar~~ Aydinlanma Odasi**
- Office Hours:** Tuesdays at 15:30 - 16:30, or by appointment
- Course Website:** <http://yunus.hacettepe.edu.tr/~sara>, <http://www.shihomiaksoy.org>

**Course Description** This course provides an introduction to environmental and natural resource economics and policy. Lectures are designed to provide insights into economic aspects and a theoretical foundation of a wide range of environmental issues including air and water pollution, climate change, valuation of environment, management of renewable and non-renewable natural resources. Hands-on experiences with assignments with data analyses and in-class experiments are given an importance. The topics in environment and natural resource management in Turkey will also be discussed.

**Course Objectives** By the end of this course, students are expected to (i) develop a capacity to evaluate the environmental/natural resources problem at hand, analyze the possible instruments, and assess the impacts of the chosen instrument.

### **Course Requirements**

1.	Midterm Exam	20%
2.	Final Exam	30%
3.	Attendance <sup>1</sup>	20%
4.	2 Presentations <sup>2</sup>	5 % each
5.	Final Project Report <sup>3</sup>	20%

<sup>1</sup> You have to attend at least 10 lectures to pass this course. Attendance will be counted if you actively participate the classroom activities for entire class-hour.

<sup>2</sup> Two presentations, 1st on topic selection/literature reviews/survey ideas and 2nd on the final results.

<sup>3</sup> A course project can be conducted individually or a group of two students. You are required to conduct a survey on a selected environmental issue of your choice, analyze the survey data and report your findings. Will be discussed more in details.

## Textbooks

- Tom Tietenberg and Lynne Lewis, *Environmental and Natural Resource Economics*, 9<sup>th</sup> Edition, Pearson Education, Inc. 2011. **(Required)**

**Make-up Exam**      **No makeup exam will be given** unless a legally acceptable document (such as medical report) is submitted. Validity of such document will be examined.

## Grading

Final grade will be given entirely based on your scores under a fair and single grading policy. None of students' "special situations/needs" (e.g. scholarship, graduation, financial condition, family situation etc.) will affect the grade. No exception. If you need a certain grade, work hard.

## Academic Misconduct

Please read the relevant material at <http://www.plagiarism.org/>. Detected plagiarism throughout the coursework will cause the student to be punished according to the University rules. The students are expected to know what plagiarism is and lack of knowledge is not an acceptable excuse.

## Disabilities

Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific need.

Week	Date	Topics	Important Dates	Reading
1	Feb. 8	Introduction		
2	Feb. 15	Property Rights, Externalities and Environmental Problems (1)		Ch.4
3	Feb. 22	Property Rights, Externalities and Environmental Problems (2) Air Pollution, Water Pollution (1)		Ch.18, 19
4	Feb. 29	Air Pollution, Water Pollution (2)		Ch.18, 19
5	Mar. 7	Benefit-Cost Analysis	<i>Topic Submission</i>	Ch. 2
6	Mar.14	Environmental Evaluation (1)		Ch. 2
7	Mar.21	Environmental Evaluation (2)	<i>Presentation I</i>	Ch. 3
8	TBA	<b>Midterm Exam</b>		
9	Apr. 4	Survey Data Analysis		
10	Apr.11	Economics of Pollution Control (1)	<i>Survey Submission</i>	Ch.15
11	Apr.18	Economics of Pollution Control (2)		Ch.16
12	Apr. 25	Common Pool Resource Management		Ch. 14
13	May.2	Resource Management: Energy		Ch. 8
14	May.9	<b>Conference</b>	<i>Presentation II</i>	