

Department of Economics
Hacettepe University

ECO 448 Natural Resources and Environmental Economics *Spring 2017-2018*

Course Information

Instructor Dr. Shihomi Ara-Aksoy
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Time/Place **Tuesdays 9:00 – 11:50 @ D12**

Office Hours: Tuesdays at 11:45 - 12:30, 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.	Class Participation	10%
4.	3 Presentations*	15 % total
5.	Project**	25%

*Presentation 1: Select a topic on Climate Change from the list. Research and Present.
Presentation 2: Pick a country, study INDC, research discussion points and present.
Presentation 3: Final Presentation of your Course Project

**A course project can be conducted with a group of maximum 3 students. You are required to select a research topic from the topic list, conduct a survey, analyze the survey data and report your findings. Total of 25% {5% for Topic and Methodology Submission, 5% for Survey Submission, 15% for Final Project Report}.

Textbooks

- Tom Tietenberg and Lynne Lewis, *Environmental and Natural Resource Economics*, 9th 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	Topics	Tasks	Important Due Dates	Reading
1	Introduction			
2	Property Rights, Externalities			Ch.4
3	Environmental Pollution I			Ch.18, 19
4	Environmental Pollution II			Ch. 18, 19
5	Climate Change I			
6	Climate Change II	<i>Presentation I</i>	<i>Topic and Methodology Submission Due</i>	
7	Climate Change Discussion	<i>Presentation & Discussion</i>		
8	Midterm Exam			
9	Environmental Evaluation I		<i>Survey Submission Due</i>	Ch. 2, 3
10	Environmental Evaluation II			Ch. 2, 3
11	Survey Data Analysis			
12	Economics of Pollution Control (1)			Ch.15
13	Economics of Pollution Control (2)			Ch.16
14	Conference	<i>Presentation II</i>		

Course Project Topic List (2018)

1. Enhancing Household Energy Efficiency in Ankara
2. Promoting Clean Household Heating in Ankara
3. Promoting Individual Actions to Reduce CO₂ in Ankara
4. Analyzing Options and Feasibility for Adaptation to Climate Change in Ankara