Department of Economics

Hacettepe University

**ECO 448 Natural Resources and Environmental Economics**

*Spring 2016-2017*

**Course Information**

**Instructor** Dr. Shihomi Ara-Aksoy

Office: Department of Economics

Email: sara@hacettepe.edu.tr

**Time/Place Fridays 13:00 – 15:45 @ DK 9**

**Office Hours:** Wednesdays 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.

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| 1. | Midterm Exam | 20% |
| 2. | Final Exam | 30% |
| 3. | Attendance | 10% |
| 4. | MUN / Debate Participation | 10 % total |
| 5. | Two Presentations\* | 5 % each |
| 6. | Project Report\*\* | 20% |

**Course Requirements**

\*Topic Presentation: selected topic/motivation/literature review/survey idea

\*Project Presentation: implementation of a survey, survey results, data analysis, implications

\*\*A course project can be conducted with a group of maximum 3 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*, 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.

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| Week | Topics | Important Dates | Reading |
| 1 | Introduction |  |  |
| 2 | Property Rights, Externalities |  | Ch.4 |
| 3 | Environmental Pollution |  | Ch.18, 19 |
| 4 | Climate Change |  |  |
| 5 | Model United Nations: Climate Change Policy |  |  |
| 6 | Environmental Evaluation (1) | *Topic Submission* | Ch. 2, 3 |
| 7 | Environmental Evaluation (2) |  | Ch. 3 |
| 8 | **Midterm Exam** |  |  |
| 9 | Survey Data Analysis |  |  |
| 10 | *Presentation I* | *Presentation I* |  |
| 11 | Economics of Pollution Control (1) | *Survey Submission* | Ch.15 |
| 12 | Economics of Pollution Control (2) |  | Ch.16 |
| 13 | Resource Management: Energy |  | Ch. 8 |
| 14 | **Conference** | *Presentation II* |  |