Outline for Environmental Economics (EEP 101/ECON 125) Course

Location: 2060 Valley LSB, Tuesday & Thursday 9:30-11:00 a.m.

Professors: David Zilberman & Katrin Millock, 338 Giannini Hall.
Office Hours: Thurs., 11:00-12:00 a.m.

G.S.I.'s:
Fang Lai (email: lai@are.berkeley.edu), 314 Giannini Hall.
James Manley (email: manley@are.berkeley.edu), 311 Giannini Hall.

Course website: http://are.berkeley.edu/~zilber/EEP101/spring05

Readings:
There is no required textbook. The detailed course notes on the course website serve as required text for the course (available at http://are.berkeley.edu/~zilber/EEP101/spring05). There will also be a course reader.

For supplementary readings, we recommend the following textbooks (on reserve in the Moffitt library):


The course reader contains some extracts of these books that are particularly useful.

Online Text
Detailed text and lecture summaries are available at http://are.berkeley.edu/~zilber/EEP101/spring05 The detailed notes and lecture summaries will be modified to reflect the revised content of the class.

Grading
30% midterm, 50% final, and 20% homework.

Students may opt to submit a paper. In this case grading is 66.6 % classwork and 33.3 % for the paper.
Course Outline

Lecture 1: Introduction

Lecture 2: When Is a Market Socially Optimal? Production and Consumption Externalities

Lectures 3-4: Market Failure and Policy Instruments: Standards, Taxes and Subsidies

Lecture 5: Policy Instrument Choice: Heterogeneity, Uncertainty

Lecture 6: Waste Management: Deposit-Refund Systems

Lecture 7: The Coase Theorem and Liability Rules

Lectures 8: Stationary Source Air Pollution Control: Emission Charges and Permits in Practice

Lecture 9: Mobile Source Air Pollution

Lecture 10: Technological Change and Pollution Control

Lecture 11-12: Public Goods

Lectures 13: Economics of Biodiversity and Endangered Species

Lecture 14-15: Valuation of Environmental Benefits

Lecture 16: MIDTERM

Lecture 17: Environmental and Health Risks

Lecture 18-20: Water Allocation and Quality Policies

Lecture 21: Animal Waste

Lecture 22-23: Pesticide Economics

Lecture 24: Biotechnology

Lectures 25-26: Global Pollutants and International Environmental Agreements

Lecture 27-28: Environment and Development; Concepts of Sustainable Development

Lecture 29: Environmental Justice

Lecture 30: Reserve

Lecture 31: REVIEW

Lecture 32: FINAL EXAM