

Economics 3545-003 001  
Environmental Economics  
Fall 1994

Class: MWF 12:00-12:50 p.m.  
Economics 117

Instructor: Tom Rutherford  
Economics 216a  
Office Hours: W 2:00 - 4:00 p.m., Th 9:00 -11:00 a.m.

Text Barry Field, *Environmental Economics - An Introduction*,  
McGraw Hill, 1994.

Summary: This course concerns the application of economic principles to the study of environmental policy issues. The course is for non-majors, and the focus of the course is accordingly less technical than Econ 4545. The course will acquaint students with the range of analytic methods which are employed in the evaluation of environmental policy. The course will also survey environmental policy in the U.S. and emerging international issues.

Prerequisite: Most of these methods introduced in this course are applications of ideas introduced in microeconomic principles. Economics 2010 or its equivalent is a mandatory pre-requisite for the course.

Evaluation: This course involves a good deal of work. There will be homework assignments every other week, a mid-term examination, a term paper and a final examination. The course work incorporates both analytic methods (graphs and algebra) as well as written work. The semester grade is based on the following weights:

Homework	15%
Mid-term examination (in class, October 28)	25%
Term paper	25%
Final examination (December 16, 11:30-1:30)	35%

Term Papers: This course requires an individually authored paper of 10 to 15 pages. Papers should include two or three references. Papers must be typed with attention to spelling and punctuation. Any topic related to the material covered in the course or textbook is acceptable, subject to approval of your abstract. Papers which examine a specific issue from diametrically-opposed perspectives are encouraged.

A good term paper of this length is narrowly focused. It is better to address one question rather than a range of questions related to a particular issue. For example, a paper investigating the results of marginal cost pricing in trash collection could first discuss the economic rationale for such a policy and then present a case study on the effectiveness of such policies in practice. A less focused paper topic, such as "issues in trash disposal", would be more difficult to write given the available space.

There are three deadlines related to the term paper. These dates are final. There will be no extensions!

Abstract	Friday, September 16
First Draft	Friday, October 14
Final Draft	Friday, December 2

The following books provide helpful advice on writing:

Hall, D. *Writing Well*, Little, Brown, 1979.  
McCloskey, D. *The Writing of Economics*, Macmillan, 1987.  
Strunk, W.Jr., E.B.White, *The Elements of Style*, Macmillan, 1959.

The following books are on my bookshelf and may be checked out for two days at a time:

Ahmad, Y.J., S.E.Serafly, and E.Lutz, *Environmental Accounting for Sustainable Development*, The World Bank.  
Anderson, Terry, *NAFTA and the Environment*, The Fraser Institute.  
Anderson, V. *Energy Efficiency Policies*, Routledge.  
Arrhenius, E. and T.W. Waltz, *The Greenhouse Effect: Implications for Economic Development*, The World Bank.  
Bailey, R. *Ecoscam: The False Prophets of Ecological Apocalypse*, St. Martin's Press.  
Bormann, F.H. and S.R. Kellert, *Ecology, Economics and Ethics: The Broken Circle*, Yale University Press.  
Cline, W.R., *Global Warming: The Economic Stakes*, Institute for International Economics.  
Fisher, D. *Paradise Deferred: Environmental Policymaking in Central and Eastern Europe*, The Royal Institute of International Affairs.  
Grubb, Michael, *Energy Policies and the Greenhouse Effect, Volume One: Policy Appraisal*, The Royal Institute of International Affairs.  
Grubb, Michael, *Energy Policies and the Greenhouse Effect, Volume Two: Country Studies* The Royal Institute of International Affairs.  
Jodha, N.S., *Common Property Resources: A Missing Dimension of Development Strategies*, The World Bank.  
Manne, A.S. and R.G. Richels, *Buying Greenhouse Insurance, The Economic Costs of CO2 Emission Limits*, MIT Press.  
OECD, *The Costs of Cutting Carbon Emissions: Results from Global Models*.  
Pearce, D.W. *Economic Values and the Natural World*, MIT Press.  
Read, P. *Responding to Global Warming: The Technology, Economics and Politics of Sustainable Energy*, Zed Books.  
Reed, D. *Structural Adjustment and the Environment*, The World Wildlife Fund.  
Rich, B. *Mortgaging the Earth: The World Bank, Environmental Impoverishment, and the Crisis of Development*, Beacon.  
Runge, C.F. *Freer Trade, Protected Environment -- Balancing Trade Liberalization and Environmental Interests*, Council on Foreign Relations.  
Russel, J. *Energy and Environmental Conflicts in East/Central Europe: The Case of Power Generation*, The Royal Institute of International Affairs.  
Russel, Jeremy, *Environmental Issues in Eastern Europe: Setting an Agenda*, The Royal Institute of International Affairs.  
*The Environmental Data Book: A Guide to Statistics on the Environment and Development*, The World Bank.  
Vellinga, P. and M. Grubb, *Climate Change Policy in the European Community*, The Royal Institute of International Affairs.