



Department of Economics Course Outline

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| | | Term: | Winter 2005 |
| Course: | Economics 499.77 [Selected Topic in Environmental Ethics] | Section: | 01 |
| Time: | MWF 10:00 ? 10:50 | Place: | ES 653 (Subject to change) |
| Instructor: | Dr. E.A. Wilman | | |
| Office: | SS 402 | Telephone: | 220-6108 |
| Office Hours: | MW 11:00 ? 12:00 (or by appointment) | E-Mail: | eawilman@ucalgary.ca |

Textbook(s):

- Charles D. Kolstad, *Environmental Economics*. (Oxford University Press, 2000).

Book(s) on Reserve:

- Kolstad, Charles D., *Environmental Economics*. Oxford University Press, 2000.
- Dorfman, R. & N.S. Dorfman, *Economics of the Environment*. W.W. Norton, 3rd edition, 1993.
- Tietenberg, Tom, *Environmental & Natural Resource Economics*, Harper Collins, 4th edition.

The textbook is intended as the main reading for the course. Other materials pertinent to class discussions will be made available on the course Home page at <http://blackboard.ucalgary.ca/webapps/login>

These materials include:

Oxford Review of Economic Policy.

2003. 19(3). Climate Change Policy, edited by D. Helm and D. Pearce <http://80-oxrep.oupjournals.org.ezproxy.lib.ucalgary.ca:2048/archive/index.dtl>

Oxford Economic Papers. 1

1994. 46. Special Issue on Environmental Economics.

<http://80-www.jstor.org.ezproxy.lib.ucalgary.ca:2048/journals/00307653.html>

American Journal of Agricultural Economics. 1995. 77(2)

<http://80-www.jstor.org.ezproxy.lib.ucalgary.ca:2048/journals/00029092.html>

Course Outline:

- **Introduction: January 10-19.**
- Chapter 3: Social Choice: How Much Environmental Protection?
- Dieter Helm. 2003. The Assessment: Climate Change Policy. *Oxford Review of Economic Policy*. 19(3): 349-261.
- David Pearce. 2003. The Social Cost of Carbon and its Implications. *Oxford Review of Economic Policy*. 19(3): 362-384

- **Markets and Market Failures: January 21-February 16.**
 - Chapter 4: Efficiency and Markets
 - Chapter 5: Market Failure: Public Bads and Externalities
 - Chapter 6: Property Rights
 - Chapter 7: Pigovian Fees.

- **Midterm Exam: February 18.**

- **Government Policies to Regulate Pollution: February 28-March 18.**

Chapter 8: Regulating Pollution

 - Chapter 9: Emission Fees and Marketable Permits
 - Tom Tietenberg. 2003. The Tradable-Permits Approach to Protecting the Commons: Lessons for Climate Change. *Oxford Review of Economic Policy*. 19(3): 400-419.
 - Chapter 10: Regulation with Unknown Control Costs
 - Chapter 11: Audits, Enforcement and Moral Hazard
 - Dieter Helm, Cameron Hepburn, and Richard Mash. 2003. Credible Carbon Policy. *Oxford Review of Economic Policy*. 19(3): 438-450.

- **International Issues: March 21-April 1.**
 - Chapter 12: International and Interregional Competition
 - Scott Barrett. 1994. Self Enforcing International Environmental Agreements. *Oxford Economic Papers*. 46: 878-894.

OR

- **Policies for Green Design: March 21-April 1.**

G.C. van Kooten, C.S. Binkley and G. Delacourt. 1995. Effect of Carbon Taxes and Subsidies on Optimal Forest Rotation Age and Supply of Carbon Services. *American Journal of Agricultural Economics*. 77(2): 365-374

 - Robert Mendelsohn. 1994. Property Rights and Tropical Deforestation. *Oxford Economic Papers*. 46: 750-756.
 - Timothy Swanson. 1994. The Economics of Extinction Revisited and Revised: A generalized Framework for the Analysis of the Problems of Endangered Species and Biodiversity Losses. *Oxford Economic Papers* 46: 800-821.