

Environmental Studies 130 - Social Sciences

This course explores contemporary environmental issues from the perspective of the social sciences. It includes the cultural and political framing of environmental issues, the analysis of economic incentives and constraints, ethical issues prompted by scarce environmental goods, and a comparison of policy approaches.

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Coordinates TuTh 200-320, CENTR 105

Reading The lecture is primarily intended to set the scene and provide the stimulus for your own studies. You should do the required reading for every topic before the lecture meets. Most of the mandatory reading material is electronic, accessible through reserves.ucsd.edu, libraries.ucsd.edu, or external internet addresses. One book has been ordered from the UCSD Bookstore: *Environmental Politics and Policy* by W. Rosenbaum, 7th ed.

Grades

1. Attendance (for rounding): Attendance in class will be taken and used as a way of deciding borderline cases. Since every class will contain some material not found in the readings, it is nearly impossible to do well in this course if one's attendance is anything short of regular.
2. 3 or 4 two-page 'position' papers. These are short typed essays that require a small amount of outside research. (30 points) For each day your paper is late, five points will be deducted from your point total.
3. Exams, midterm (35 points), final (35 points)

Fine Print In your homeworks, etc., all sources, including discussions with classmates, must be appropriately acknowledged. All answers given must be in your own wording. Closely paraphrasing or simply copying the work of others (such as authors of books or articles, or classmates) is not allowed and will be severely penalized. You must ask me in case you are uncertain whether something constitutes plagiarism. All forms of academic dishonesty will be immediately reported to the Academic Integrity Office. Students agree that by taking this course all required assignments will be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the terms of use agreement posted on the Turnitin.com site. You must observe the University's Policy on Integrity of Scholarship, which can be found at <http://www-senate.ucsd.edu/manual/appendices/app2.htm>. Make-up exams (for midterm and final) will only be given under the most severe circumstances. The student who wishes to write a make-up exam must inform me (by phone or email) before the exam takes place. In order to qualify for a make-up exam, appropriate evidence of the most severe

circumstances must be produced by the student. I will determine, in consultation with the student, what qualifies as appropriate evidence.

History of US Environmentalism

3/30 Introduction

Paradise Found: Nature in America at the Time of Discovery by Steve Nicholls,
Excerpt: 8-20, <http://www.press.uchicago.edu/Misc/Chicago/583402.html>
Wilderness Act 1964: <http://www.wildwilderness.org/docs/act1964.htm>

4/1 Pigeons, Bird Hats, and National Parks: The Preservationist and Conservationist Movements

Pinchot, 1910, *The Fight for Conservation*, sections I, IV, VII
www.gutenberg.org/catalog/world/readfile?pageno=1&fk_files=49271
Muir, "Hetch Hetchy Valley" (1908) www.yosemite.ca.us/john_muir_writings/
Price, "Hats Off to Audubon" www.audubonmagazine.org/features0412/hats.html
Extra: Price: <http://www.nytimes.com/books/first/p/price-flight.html>

4/6 Preservationist Philosophy: Ecological Lessons

Aldo Leopold, *Sand County Almanac*, selection: "The Land Ethic"
<http://home.btconnect.com/tipiglen/landethic.html>
Extra: "Leopold's Land Ethic: A Vision for Today" Jamie Rappaport Clark, 140-149, site.ebrary.com/lib/ucsd/docDetail.action?docID=10142521

4/8 No Class

4/13 Preservationist and Conservationist Politics

"635 Million Acres of Politics" Rosenbaum, chapter 9

4/15 Preservation Exported

Mark Dowie, "Conservation Refugees" *Orion Magazine*:
www.orionmagazine.org/index.php/articles/article/161/

The Politics of Environmental Policy

4/20 Making Policy: Institutions, Science, Interest Groups

Rosenbaum 2, 3
Extra: "Navigating the Maze: Corporate Influence Over Federal Environmental Rulemaking", Kamieniecki, S., *Environment* 48:5 (June 06), pp. 8-20.

4/22 Continued...

tba

Utilitarianism, the Market and Environmental Economics

4/27 Utilitarianism, Neo-Classical Economics, and Cost-Benefit Analysis

Rosenbaum 5: 144-157

Lecture notes

4/29 Environmental Economics

<http://www.ecosystemvaluation.org/essentials.htm>

"Economic Reasons for Conserving Wild Nature" *Science*, reserves.ucsd.edu

5/4 'Command and Control' v the Marketplace

Rosenbaum 5: 158-169

Rosenbaum 6: 175-195

Jacquet, J., et al. 2010. Conserving Wild Fish in a Sea of Market-Based Efforts. *Oryx* 44(1): 45-56.

5/6 Economics, Ethics and Precaution

Hausman, Daniel M. and Michael S. McPherson, "Beware of Economists Bearing Advice" *Policy Options* 18, no. 7 (September, 1997): 16-19

Sunstein, 'Cost-Benefit Analysis and the Environment', *Ethics* 115 (January 2005): 351-385.

Wingspread Statement on Precautionary Principle (1 page)

www.gdrc.org/u-gov/precaution-3.html

Extras: O'Neill, John, "Justifying CBA" in *Ecology, Policy, and Politics*, selection, at libraries.ucsd.edu; European Environment Agency. 2001. Late Lessons from Early Warnings: The Precautionary Principle 1896-2000, chapters 1 (Introduction) and 2 (Fisheries). http://reports.eea.europa.eu/environmental_issue_report_2001_22/en

5/11 Midterm! (Please bring a blue book.)

5/13 Case Study: The Stern Report and Its Reception

"A Battle over the Costs of Global Warming" NYTimes. Please read the summary of the report, plus the responses at:

www.nytimes.com/2007/02/21/business/21leonhardt.html?ex=1329714000&en=846690277bf060af&ei=5090&partner=rssuserland&emc=rss

Extras: Stern, Nicholas. 2008. "The Economics of Climate Change", *American Economic Review* 98(2), pp. 1-37; Stephen Gardiner, 'Ethics and Global Climate Change', *Ethics* 114, April 2004, 555-600.

Property Rights, Commons and Property Battles

5/18 Tragedy of the Commons

Hardin, www.sciencemag.org/cgi/content/full/162/3859/1243

Extra: "The Tragedy of the Commons 30 Years Later", J. Burger and M. Gochfeld, *Environment* 40:10 (December 98), pp. 4-27.

5/20 Is the Sea a Commons?

Pauly, D. 2009. [Beyond Duplicity and Ignorance in Global Fisheries](http://www.sciencemag.org/cgi/content/full/162/3859/1243). *Scientia Marina* 73(2): 215-223. (Or go to searounds.org)

Pauley, D. "Sushinomics"

www.searounds.org/researcher/dpauly/PDF/2009/OtherItems/PrimeNumbersSushinomics.pdf

Extra: <http://www.vimeo.com/5846172/>

"Iconoclast Looks for Fish and Finds Disaster"

www2.fisheries.com/archive/publications/news/new_york_times_21_jan_2003.pdf

5/25 Property Rights

Lecture slides

Sagoff, "Takings, Just Compensation, and the Environment" reserves.ucsd.edu

Reason, Risk and Rights

5/27 Risk Assessment

Rosenbaum 4 and 7

Extra: Lewis, H.W. *Technological Risk*, 123-167. reserves.ucsd.edu

6/1 Geoengineering? Guest Lecture: Professor Martin Bunzl, Director of the Rutgers Initiative on Climate Change, Social Policy and Politics at Rutgers University.

Go to bunzl.org and listen to the mp3 interview "BBC"

Then read "BBC" "Researching Geoengineering: Should Not or Could Not?" and "A Test for Geoengineering"

Extras: "Geoengineering the Climate: The Social and Ethical Implications" Adam Corner, Nick Pidgeon. *Environment*. Washington: Jan/Feb 2010 (52), 24ff.

"Geoengineering: How to Cool Earth--At a Price" and "The Hidden Dangers of Geoengineering", *Scientific American*, October 2008, reserves.ucsd.edu

6/3 Toxins

Rachel Carson's *Silent Spring*, selections, reserves.ucsd.edu

Shrader-Frechette, *Taking Action, Saving Lives*, selections, available on class website

6/8 **Final Exam:** 3:00-5:59, location TBA