This course will examine human impacts on the natural environment at local, regional, and global scales. Class readings, discussions, practical exercises, and lectures will highlight historical and contemporary alterations to natural ecosystems. Emphasis will be placed on understanding the cultural, political, social, and economic processes that impact natural ecosystems and the challenges to changing existing practices. Case studies will provide in-depth analyses of complex human-environmental relationships and will portray concrete examples of current local, regional, and global efforts to implement sustainable practices. Special attention will be placed on community-based natural resource management, biodiversity issues, and common property resource management.

Course Outline

Part I: INTRODUCTION

9/27  Introduction

9/29  Human Impacts on the Environment
Vitousek et al. “Human Domination of Earth’s Ecosystems”

10/4  Biodiversity & the Sixth Major Extinction
Shiva “What Is Biodiversity and Why Is It Important?”
Jenkins “Prospects for Biodiversity”
Pimm et al. “Can We Defy Nature’s End?”

10/6  Biodiversity and Human Values
Blaikie and Jeanrenaud “Biodiversity and Human Welfare”
Slater “Justice for Whom? Contemporary Images of Amazonia”

Part II: BIODIVERSITY AND COMMUNITY-BASED NATURAL RESOURCE MANAGEMENT

10/11  Agroecosystems
Shiva “Having Our Cake and Eating It Too”
Shiva “The Future of Biodiversity”

10/13  Agroecosystems (continued)
Gorelick et al. “Facing the Farm Crisis”
Zarb “Small Holding Up”
Go to http://www.monsanto.com -- Click on the Science and Technology heading and read the Overview and the Agricultural Biotechnology page
10/18  **National Parks and Protected Areas**  
Janzen “How to Grow a Wildland: The Gardenification of Nature”  
Neumann “Land, Justice, and the Politics of Conservation in Tanzania”

10/20  **Water Resources and Invasive Alien Species**  
McNeely “Strangers in Our Midst: The Problem of Invasive Alien Species”

Ghimire “Conservation and Social Development: An Assessment of Wolong and Other Panda Reserves in China”  
Bodmer “Managing Wildlife with Local Communities in the Peruvian Amazon: The Case of the Reserva Comunal Tamshiyacu-Tahuayo”

10/27  **Forest Ecosystems**  
Bryant “Romancing Colonial Forestry: The Discourse of ‘Forestry as Progress’ in British Burma”  
Ribot “Rebellion, Representation, & Enfranchisement in the Forest Villages of Makacoulibantang, Eastern Senegal”

Part III: COMMON PROPERTY RESOURCE MANAGEMENT

11/1  **“Tragedy of the Commons” and Common Property Regimes**  
Hardin “The Tragedy of the Commons”  
Burger and Gochfeld “The Tragedy of the Commons 30 Years Later”

11/3  **Grassland Ecosystems**  
Wade “Common-Property Resource Management in South Indian Villages”  
Curtin et al. “Transformations of the Chihuahuan Borderlands: Grazing, Fragmentation, and Biodiversity Conservation in Desert Grasslands”

11/8  **Forest Management**  
Banana and Gombya-Ssembajjwe “Successful Forest Management: The Importance of Security of Tenure and Rule Enforcement in Ugandan Forests”  
Varughese “Population and Forest Dynamics in the Hills of Nepal: Institutional Remedies by Rural Communities”

11/10  Guest Speaker, Dr. Greg Ringer -- Sustainable Community Tourism  
Readings to be announced

11/15  *Research Paper, Part A Due* -- Coastal Ecosystems  
Jackson et al. “Historical Overfishing and the Recent Collapse of Coastal Ecosystems”  
Wilks “Prawns, Profit and Protein”  
11/17  Marine Fisheries
Acheson & Brewer “Changes in the Territorial System of the Maine Lobster Industry”
McCay “Community-Based & Cooperative Fisheries: Solutions to Fishermen’s Problems”
Dietz et al. “The Struggle to Govern the Commons”

Part IV: PROTECTING THE EARTH’S ECOSYSTEMS

11/22  Collaborative Conservation in the Pacific Northwest
Brick and Weber “Will Rain Follow the Plow? Unearthing a New Environmental Movement”
Collette “Oregon's Plan for Salmon and Watersheds: The Basics of Building a Recovery Plan”
Coggins “Of Californicators, Quislings, and Crazies: Some Perils of Devolved Collaboration”
Getches “Some Irreverent Questions about Watershed-Based Efforts”
Kenney “Are Community Watershed Groups Effective? Confronting the Thorny Issue of Measuring Success”

11/24  State Coercion
Peluso “Coercing Conservation? The Politics of State Resource Control”

11/29  Social Capital
Pretty “Social Capital and the Collective Management of Resources”
Bebbington “Social Capital and Rural Intensification: Local Organizations and Islands of Sustainability in the Rural Andes”

12/1  Sustainability & Community-Based Conservation
Berkes “Rethinking Community-Based Conservation”
Tickell “The Human Species: A Suicidal Success?”

*Research Paper (Parts A & B) Due on Wednesday, December 8th at 10:15 a.m.*

Contact Information
Office Hours:  Stacy Rosenberg srosenbe@darkwing.uoregon.edu: Wednesdays 11:30 am - 1:30 pm,
246A Columbia or by appointment

Course Requirements for Undergraduate Students

Class Conduct: It is important that we create an atmosphere conducive to learning. Therefore, while I encourage debate and discussion, you should be respectful of others, and maintain a professional tone at all times. Language or action that is abusive or discriminatory will not be tolerated and is against University policies. Plagiarism, cheating, and other conduct contrary to University policies will not be tolerated.

Grading Criteria: The final grade will be based on the following: a 12-page paper (35%); group project (20%); quizzes (20%); attendance and participation (20%); reading summaries (5%).

Research Paper (35%): Students will complete a 12-page paper on an instructor-approved topic. The first portion (5%) is due October 25, and consists of a short project proposal and outline. Project sites outside the U.S. are encouraged, and at least 10 potential bibliographic sources are required. The second portion (Part A – 15%) is due November 15, and it is the first half of the research paper. Part A is a survey and analysis of the environmental alterations of a specific site and emphasizes
characteristics of the physical environment. The third portion (Part B – 15%) is due December 8, and it focuses on the social, political, cultural, and economic dimensions of the site-specific environmental alterations. The entire research paper is to be handed in on December 8.

**Group Project (20%)**: Students will research a local environmental issue and present their findings to the class. Each project will include a discussion of the physical alterations (existent or potential) of a particular activity or project and will include the social, political, cultural, and economic dimensions involved in the project.

**Quizzes (20%)**: There will be five pop quizzes. Each quiz will focus on course readings for that day.

**Class Attendance and Participation (20%)**: Students are expected to attend all classes and read course materials prior to each class. Participation in class discussions and in-class exercises is a critical component of the course.

**Reading Summaries (5%)**: Students will write five reading summaries during the term. Each summary will provide a synopsis of the readings for that day and the student’s response to the readings. Students will be informed of each reading summary due date the class day prior to the due date.

**Note**: The group project and research paper will require a considerable amount of time to be spent outside of the classroom and will fulfill the 4th credit hour requirement for this course.

**Course Requirements for Graduate Students**

**Graduate students will meet bi-weekly for one hour to further discuss class readings.**

**Class Conduct**: It is important that we create an atmosphere conducive to learning. Therefore, while I encourage debate and discussion, you should be respectful of others, and maintain a professional tone at all times. Language or action that is abusive or discriminatory will not be tolerated and is against University policies. Plagiarism, cheating, and other conduct contrary to University policies will not be tolerated.

**Grading Criteria**: The final grade will be based on the following: a 20-page paper for graduate students (35%); class presentation (20%); quizzes (20%); attendance and participation (20%); reading summaries (5%).

**Research Paper (35%)**: Students will complete a 20-page paper on an instructor-approved topic. The first portion (5%) is due October 25, and consists of a short project proposal and outline. Project sites outside the U.S. are encouraged, and at least 10 potential bibliographic sources are required. The second portion (Part A – 15%) is due November 15, and it is the first half of the research paper. Part A is a survey and analysis of the environmental alterations of a specific site and emphasizes characteristics of the physical environment. The third portion (Part B – 15%) is due December 8, and it focuses on the social, political, cultural, and economic dimensions of the site-specific environmental alterations. The entire research paper is to be handed in on December 8.

**Class Presentation (20%)**: Students will co-facilitate one class during the term with another graduate student. The presentation will include an overview of the readings for that day and additional information on a related topic. Each presentation will include a discussion of the physical alterations
(existent or potential) of a particular activity or project and will include the social, political, cultural, and economic dimensions involved in the project.

**Quizzes (20%)**: There will be five pop quizzes. Each quiz will focus on course readings for that day.

**Class Attendance and Participation (20%)**: Students are expected to attend all classes and read course materials prior to each class. Participation in class discussions, in-class exercises, and bi-weekly meetings is a critical component of the course.

**Note**: Dr. Peter Walker will assign graduate student grades. Class facilitation and the research paper will fulfill the 4th credit hour requirement for this course.

**Course Readings** - A reserve packet is available at The Copy Shop (located on 13th) and on electronic reserve at Knight Library.

**Part I: INTRODUCTION**


Part II: BIODIVERSITY AND COMMUNITY-BASED NATURAL RESOURCE MANAGEMENT


Part III: COMMON PROPERTY RESOURCE MANAGEMENT


Part IV: PROTECTING THE EARTH’S ECOSYSTEMS


