

## **PADM 574: Environmental Policy and Natural Resource Management Spring 2018**

**Instructor:** Shane Day

**Time:** Tuesdays, 7:00pm to 9:30pm

**Location:** Social Sciences 3030

**Office:** Social Sciences 3006

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**Office Hours:** Wednesdays, 2:00pm – 5:00pm

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### Course Description and Goals:

This is a survey course examining a variety of issues relating to the governance of the environment at all scales – international, national, and local. There has been increased recognition of the fact that many environmental issues are of a scale that does not map neatly with our current geopolitical boundaries, and that many seemingly distinct environmental problems are in fact interrelated with one another. This raises major questions regarding the governance of environmental issues. In particular, it is unlikely that problems will be effectively or efficiently tackled by nation-states acting unilaterally in isolation from one another. The question which emerges is what other alternatives exist for tackling very difficult, large scale environmental problems?

This course will begin with an overview of various concepts (such as governance, the policy cycle, and sustainability) which will be important for framing discussion over the rest of the semester. We will also explore the specific political role of various actors in the policy process. Drawing upon various concepts from ecology and economics, we will categorize different types of environmental issues and make the distinction between environmental policy problems and natural resource management issues. Our discussion of environmental policy problems will revolve around the issues of air quality, water quality, hazardous wastes, and other issues, and will emphasize key pieces of environmental legislation and the policy tools embodied within them. Our discussion of natural resource management will revolve around two distinct analytical frameworks – the policy sciences and social-ecological systems theory – which will be used to examine a variety of issues such as fisheries management, endangered species protection, forestry, rangeland management, and other issues of interest to students in the course. Finally, we will examine the broad subfield of international environmental policy in order to explore the questions of when it is appropriate to shift governance responsibility to the international scale and how we might best match governance scale to ecological scale.

The course will thus have several learning objectives:

- 1) To expose students to core concepts from ecology, economics, and political science as they pertain to environmental problems
- 2) To encourage students to think critically about contentious concepts such as sustainability
- 3) To gain an understanding of the primary debates revolving around environmental issues
- 4) To explore the specific policy tools commonly used to address environmental issues
- 5) To allow students to conduct analysis of environmental and natural resource management issues using established analytical frameworks, and to explore environmental issues of particular interest to individual students

Having an academic background in public policy and economics will be useful for this course, but not mandatory, as units presented earlier in the course will explore this foundational material. However, if students experience difficulty with this earlier material, they are encouraged to come see me in order to clarify any questions, as this material will be important to our discussions over specific environmental issue areas, which will be the primary emphasis of the class

#### Required Materials:

There are three textbooks required for this course. They are NOT currently available at the University Bookstore, so you are encouraged to purchase these through online retailers as soon as possible.

- 1) Clark, Tim W. 2002. *The Policy Process: A Practical Guide for Natural Resource Professionals*. Yale University Press.
- 2) Rosenbaum, Walter A. 2014. *Environmental Politics and Policy*, 9<sup>th</sup> Ed. CQ Press.
- 3) Vig, Norman J. and Michael E. Kraft. 2013. *Environmental Policy: New Directions for the 21<sup>st</sup> Century*, 8<sup>th</sup> Ed. CQ Press.

Additional readings (as noted on the syllabus) will be posted to UNM Learn to supplement the readings for each week – be sure to check UNM Learn regularly.

#### Communications:

The easiest way to get a hold of me is through email at shaneday@unm.edu – I prefer email communication to phone correspondence, as there will be a few periods over the course of this quarter in which I will not be in the office for an extended period of time and will thus not have access to voicemail. I will check my email regularly and will respond as soon as I am able. I will also be maintaining regular office hours, and am happy to meet with you in my office outside of established hours if I am available – arranging an appointment beforehand is helpful but not essential. I will also be frequently using Blackboard for posting course announcements, so again, be sure to check it regularly.

#### Course Requirements and Grading:

This course is being taught in a seminar format, meaning that class time will be spent discussing the readings for each week, explaining core concepts, and answering specific questions raised by students. Thus students are expected to come to class having read the readings for each week, and ready to actively participate in the course. In particular, students are expected to come to class with discussion questions prepared beforehand, in order to help identify points for clarification and to drive the direction of class discussion. Students should write 1-3 questions on a piece of paper with their name on it before *each* class session, and be prepared to ask them upon being prompted by the instructor.

Beyond participation, students will be evaluated on the basis of three writing exercises and a final exam. The first writing exercise will ask students to identify a specific environmental issue of concern to them, and analyze the applicability of various policy tools to their selected issue. The second writing assignment will ask students to select a specific piece of environmental or natural resource management legislation and critique its implementation. Students will also be asked to provide policy recommendations for the reform of their selected piece of legislation. The third writing assignment will ask students to conduct an analysis of a natural resource

management issue using either the policy sciences approach or the social-ecological system framework, both of which will be explored in class. More information regarding the writing exercises will be provided in-class at a later date. Finally, a final exam will be administered during finals week, which will consist of 4-5 essay questions covering the entirety of the semester.

Grading:

The weighting of the course requirements for the quarterly grade is as follows:

Paper 1	20%
Paper 2	20%
Paper 3	20%
Final Exam	20%
Participation	20%

Key Dates:

- 2/27: Writing Assignment One due
- 3/27: Writing Assignment Two due
- 4/24: Writing Assignment Three due
- 5/8: Final Exam

Academic Integrity:

The University of New Mexico believes that academic honesty is a foundation principle for personal and academic development. All University policies regarding academic honesty apply to this course. Academic dishonesty includes, but is not limited to, cheating or copying, plagiarism (claiming credit for the words or works of another from any type of source such as print, Internet or electronic database, or failing to cite the source), fabricating information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. The University's full statement on academic honesty and the consequences for failure to comply is available in the college catalog and in the Pathfinder. It is also the prerogative of the instructor to assign failing grades, either to a particular assignment or for the final course grade, to students who violate academic conduct standards.

Students with Disabilities:

Accessibility Services (Mesa Vista Hall 2021, 277-3506) provides academic support to students who have disabilities. If you think you need alternative accessible formats for undertaking and completing coursework, you should contact this service right away to assure your needs are met in a timely manner. If you need local assistance in contacting Accessibility Services, see the Bachelor and Graduate Programs office.

Library and Tutorial Services:

UNM-Main campus provides many library services and some tutorial services for both on-campus and distance students. For library services, go to <http://www.unm.edu/libraries/> to link to a specific library or to contact a librarian. For tutorial services, go to <http://caps.unm.edu/online> to explore UNM's online services.

### Course Schedule and Outline:

The following is a tentative schedule of weekly topics. Note: the schedule is subject to change. I reserve the right to make revisions to the syllabus and to make adjustments to the reading assignments. I will announce such changes in class and through Blackboard.

#### **Week One – 1/16: Introductions**

#### **Week Two – 1/23: The Policy Process and Economic Theory**

Readings:

- 1) Anderson, *Public Policymaking*, Chapter 1
- 2) Excerpts from Weimer and Vining, *Policy Analysis: Concepts and Practice*

#### **Week Three – 1/30: Federal Institutions in Policy-Making**

Readings:

- 1) Rosenbaum, Chapter 3
- 2) Vig and Kraft, Chapters 1, 4, 5, 6, and 7

#### **Week Four – 2/6: Local and Non-Governmental Institutions in Policy-Making**

Readings:

- 1) Rosenbaum, Chapter 2
- 2) Vig and Kraft, Chapters 2, 3, 10, and 11
- 3) Singleton, "Collaborative Environmental Planning in the American West: The Good, the Bad, and the Ugly"

#### **Week Five – 2/13: Policy Tools**

Readings:

- 1) Rosenbaum, Chapters 4 and 5
- 2) Vig and Kraft, Chapter 9
- 3) Richards, "Framing Environmental Policy Instrument Choice"

#### **Week Six – 2/20: Air and Water Pollution Regulation**

Readings:

- 1) Rosenbaum, Chapter 6
- 2) Clean Air Act statute and amendments
- 3) Clean Water Act statute and amendments

#### **Week Seven – 2/27: Toxic and Hazardous Waste Regulation**

Readings:

- 1) Rosenbaum, Chapter 7
- 2) Site, "How Costly is 'Clean'?"
- 2) Comprehensive Environmental Response, Compensation, and Liability Act statute
- 3) Resource Conservation and Recovery Act statute
- 4) Toxic Substances Control Act statute

*\*\*\*Writing Assignment One due in-class*

### **Week Eight – 3/6: The National Environmental Policy Act and other Procedural Tools**

Readings:

- 1) NEPA Statute
- 2) Ringquist, "Assessing evidence of environmental inequities: A meta-analysis"
- 3) Weiland, "Amending the National Environmental Policy Act: Federal Environmental Protection in the Twenty-First Century"

### **Week Nine – 3/13: SPRING BREAK – NO CLASS SESSION HELD**

### **Week Ten – 3/20: Overview of Natural Resource Management**

Readings:

- 1) Rosenbaum, Chapter 9
- 2) Vig and Kraft, Chapter 8
- 3) West, et al., "Parks and Peoples: The Social Impact of Protected Areas"

### **Week Eleven – 3/27: The Policy Sciences Approach to Natural Resource Management**

Readings:

- 1) Clark, Chapters 1-7
- \*\*\*Writing Assignment Two due in-class*

### **Week Twelve – 4/3: NO CLASS SESSION HELD**

### **Week Thirteen – 4/10: Social-Ecological Systems Theory**

Readings:

- 1) Armitage, et al., "Adaptive Co-Management for Social-Ecological Complexity"
- 2) Folke, et al., "Adaptive Governance of Social-Ecological Systems"
- 3) Janssen, et al., "Toward a Network Perspective of the Study of Resilience in Social-Ecological Systems"
- 4) Janssen, Anderies, and Ostrom, "Robustness of Social-Ecological Systems to Spatial and Temporal Variability"

### **Week Fourteen – 4/17: Social-Ecological Systems Theory (cont.)**

Readings:

- 1) McGinnis and Ostrom, "Social-Ecological System Framework: Initial Challenges and Continuing Challenges"
- 2) Ostrom, "A General Framework for Analyzing Sustainability of Social-Ecological Systems"
- 3) Ostrom, "A Diagnostic Approach for Going Beyond Panaceas"
- 4) Ostrom, "Sustainable Social-Ecological Systems: An Impossibility?"
- 5) An applied case to be distributed in class

### **Week Fifteen – 4/24: Comparative Environmental Governance**

- 1) Excerpts from Ascher, *Why Governments Waste Natural Resources*
- 2) Excerpts from Steinberg and VanDeveer, *Comparative Environmental Politics: Theory, Practice, and Prospects*

*\*\*\*Writing Assignment Three due in class.*

**Week Sixteen – 5/1: International Environmental Policy and the Evolution of Global Governance**

Readings:

- 1) Vig and Kraft, Chapter 12
  - 2) Excerpts from Bodansky, *The Art and Craft of International Environmental Law*
  - 3) Excerpts from Young, *The Institutional Dimensions of Environmental Change*
- \*\*\*Writing Assignment Three due in-class*

**Finals Week: 5/8 – Final Exam 7:45-9:45**