

ESPM 3271
Environmental Policy, Law, and Human Behavior
Weekly Class Schedule Fall 2017

WEEK 1 **September 6**

Introduction to Law, Governance and Human Behavior

As an introduction to the course, the Law and Human Behavior systems model will be used to organize the course lectures, readings and assignments as well as the research projects. This model explores how human actors perceive signals from the natural system, the design of solutions to these challenges using policy, law and human behavior theories as interpretive tools, and the resulting impact of these solutions on the natural system.

Class exercise: Use the systems model to explore an environmental challenge.

WEEK 2 **September 11/13**

Problem Solving Within a Systems Context: The Role of Social Science Research

Class exercise: Scenarios

I. Research Project: Social Inquiry, Research process, & Research question brainstorming. Sep. 13th

Readings:

Meadows, D.H., (2008). Chapter. 1 *The Basics in Thinking in Systems: A primer.* pgs.11-34. *pdf on Moodle.*

McKenzie-Mohr, D. & Smith, W., (2011). *Fostering Sustainable Behavior*, New Society Publishers, Gabriola Island, B.C., Canada. *Class text.*

➔ *Fostering Sustainable Behavior /Step 1. Selecting Behaviors pgs. 1-20.*

WEEK 3 **September 18/20**

Human Behavior Theories and Environmental Change

Key concepts: Historical origins of social psychology, Values Orientation, Theory of Planned Behavior

Class exercise: Individual decision making, the influence of value orientation, attitudes, norms, and perceived control

II. Research Project: Finding and synthesizing literature & refining your research question. Sep. 20th

Readings

McKenzie-Mohr, D. & Smith, W. (2011). *Fostering Sustainable Behavior*, New Society Publishers, Gabriola Island, B.C., Canada. *Class text.*

➔ *Developing Strategies pgs. 41-82*

Pick two out of three to read, all links found on Moodle:

Carrico, A.R., Fraser, J. & J.T. Bazuin, J.T. (2013). Green with envy: Psychological and social predictors of lawn fertilizer applications. *Environment & Behavior*, 45(4), 427-454. DOI: 10.1177/0013916511434637. *pdf on Moodle.*

- Bruskotter, J.T., & Fulton, D.C., (2008). Minnesota Anglers' Fisheries-Related Value Orientations and Their Stewardship of Fish Resources. *Human Dimensions of Wildlife*, 13 (4), 207-221. *pdf on Moodle*.
- Willcox, A.S., Giuliano, W.M., & Monroe, M.C., (2012). Predicting cattle rancher wildlife management activities: An application of the theory of planned behavior. *Human Dimensions of Wildlife*, 17 (3), 159-173. *pdf on Moodle*.

Class Discussion assignment Sept. 20th – Bring a paper copy to class.

What are the research questions for Carrico et al. 2013, Bruskotter & Fulton 2008 and Wilcox et al. 2012. Now select 3 more articles from the literature folder posted on Week 3 and identify the research questions for these articles. You should have research questions from a total of six articles. You can find the research questions in the Introduction &/or Methods sections of the articles.

WEEK 4

September 25/27

Human Behavior Theories and Environmental Change

Key concepts: Historical origins of environmental sociology with a focus on social network theory and social movement theory

Class exercise: Groups and social change, the influence of networks and movements

Readings:

Pellow, D.N., & Brehm, H.N., (2013). An environmental sociology for the Twenty-first Century. *Annu. Rev. Sociol.* 39, **read pgs. 229-33 and 242-243.**

Pick two out of three to read:

Wolf, K.L., Blahna, D.J., Brinkley, W., & Romolini, M., (2013). Environmental stewardship footprint: Linking human agency and ecosystem health in the Puget Sound region. *Urban Ecosystems*, 16, 13-32. *pdf on Moodle*.

Bodin, O., & Crona, B.J., (2009). The role of social networks in natural resource governance: What relational patterns make a difference? *Global Environmental Change*, 19(3), 366-374. *pdf on Moodle*.

Rosset, P.M., & Martinez-Torres, M.E. (2012). Rural social movements and agroecology: context, theory, and process. *Ecology and Society*, 17(3), 1-17. *pdf on Moodle*.

Assignment Due Sept. 27th - submit on Moodle

Research Proposal Preparation: Draft Research Question and 4 References on your topic from peer-reviewed journals with 2-3 sentences for each article about the relevance to your research question.

WEEK 5

October 2/4

Government, Law, and Environmental Change

Key concepts: democratic and republic forms of government, the constitutional framework and rule of law. An introduction to political power.

Class exercise: Negotiating rights and responsibilities in natural resource issues

Readings:

Public Policy: The Essential Readings (2013). edited by Stella Z. Theodoulou and Matthew A. Cahn, *Pearson Education Inc.*, Upper Saddle River, New Jersey, *Class text*.

- ➔ Theodoulou, Stella, *The Contemporary Language of Public Policy: Starting to Understand*, pgs. 1-11.

- ➔ Gosling, James J. 2013. Enduring Political Questions and Public Policy pgs. 12-17.
- ➔ Domhoff, G. William. Who Benefits, Who Wins? pgs. 78-83.
- ➔ Cahn, Mathew A. 2013. Rules, Strategies, Resources and Culture, pgs. 85-92.
- ➔ Dahl, Robert. 2013. A Preface to Economic Democracy, pgs. 112-114.

WEEK 6 October 9/11**Government, Law, and Environmental Change**

Key concepts: Political Power, Elitism, Neo-Pluralism, and Pluralism.

Class quantitative research exercise: Voting Behavior -- Issues and pluralism

Readings:

Public Policy: The Essential Readings, (2013). edited by Stella Z. Theodoulou and Matthew A. Cahn, *Pearson Education Inc.*, Upper Saddle River, New Jersey, *Class text*.

- ➔ McFarland, Andrew S. 2013. Neopluralism, pgs. 47-62.
- ➔ Hecl, Hugh. 2013. Issue Networks and the Executive Establishments, pgs. 69-77.
- ➔ Madison, James. 2013 "Federalist Paper Nos. 1 and 10", pgs. 92-96.

Vaughter, P., McKenzie, M., Lidstone, L., & Wright, T., (2014). Campus sustainability governance in Canada: A content analysis of post-secondary institutions' sustainability policies. *International Journal of Sustainability in Higher Education*, 17(1), 16-39. *pdf on Moodle*.

Pierce, J. 2016. Advocacy Coalition Resources and Strategies in Colorado Hydraulic Fracturing Politics. *Society & Natural Resources*, 29(10), 1154-1168. *pdf on Moodle*.

Assignment Due Oct. 11th – paper copy in class

Research Proposal: Introduction, Literature Review, Research Question and References.

WEEK 7 October 16/18**Comparative Social Science Methods for Environmental Research**

Key concepts: foundations of social science, inductive/deductive, qualitative/quantitative, ethics and politics of social science research, research design, measurement, modes of observation (experiments, survey, qualitative, unobtrusive, etc.), data analysis.

III. Research Project: Research Techniques, Ethics & Other Topics. Oct. 18th

- Methodological Techniques: Trade-offs comparison
- Writing question and designing observations: validity and reliability
- Carousel of Techniques: consideration of possible techniques for your research project
- A researcher's ethical considerations: discovery, privacy, and political deliberation

Class Exercise: Carousel of Research Techniques: Visit three options for your research.

Class Exercise: Compare research methods and design a project to study a policy or human behavior issue.

Discussion: (Oct 18st)

- How do we address environmental and natural resource challenges today?
- How do our ethical principles and/or knowledge systems influence our research choices?

**Exam #1 Short Answer Questions in class October 16th, full class period.
Covers Weeks 1-6.**

Readings:

McKenzie-Mohr, D. & Smith, W., (2011). *Fostering Sustainable Behavior*, New Society Publishers, Gabriola Island, B.C., Canada. *Class text.*

➔ Identifying Barriers and Benefits and Barriers, pgs. 21-40.

➔ Prompts: Remembering to Act, pgs. 83-92.

➔ Broad-scale Implementation and Evaluation, pgs. 143-147.

Weeks 8-11: We will use the topic of water quality, in some cases the quality of Minnesota's lakes and streams, to explore key concepts of governance, law, human behavior, and social systems, and how these concepts work in our attempts to redress environmental challenges associated with water allocation and quality.

WEEK 8 October 23/25 **Water Allocation**

Key concepts: Distribution of state water law and policy across agencies, Water allocation law. The role of public interest groups in forming policy, community norms, social networks.

*Guest Speaker Oct 25th: Sherry Enzler JD PhD, Senior Administrative Officer,
Minnesota Department of Natural Resources*

Readings:

Knight, L., (2002). Network Learning: Exploring learning by interorganizational networks. *Human Relations*, 55(4), 427-454. *Focus on the literature review and methods. pdf on Moodle.*

McKenzie-Mohr, D. & Smith, W., (2011). *Fostering Sustainable Behavior*, New Society Publishers, Gabriola Island, B.C., Canada. *Class text.*

➔ Incentives: Enhancing Motivation to Act, pgs.103-115.

➔ Convenience: Making It Easy to Act, pgs. 121-128.

Public Policy: The Essential Readings. (2013). edited by Stella Z. Theodoulou and Matthew A. Cahn, *Pearson Education Inc.*, Upper Saddle River, New Jersey, *Class text.*

➔ Truman, David B. Group Politics and Representative Democracy, pgs. 42-46.

➔ Schattschneider, E. The Semisovereign People, pgs. 115-116.

➔ Nowline, Matthew. Advocacy Coalition Framework, Social Construction, Policy Design & Emerging Trends, pgs. 190-195.

**Assignment Due Oct 25th – paper copy in class
Research Proposal: Question and Written Methods Section**

WEEK 9 October 30/November 1 **Water Use Rights and Environmental Protection**

Key concepts: Individual Behavior: rights of individuals in democratic societies, property rights. Use of law to guide individual behavior, perception, expected values, knowledge and attitude, social norms - theory of planned behavior (action). We will

explore these concepts in the context of shoreline ordinances designed to improve water quality and species habitat.

Lecture & Participation

Property Rights, Zoning Ordinance and Human Behavior—Handout

Class Exercise: Docks –Individual vs. Common Property Rights

Readings:

McKenzie-Mohr, D. & Smith, W., (2011). *Fostering Sustainable Behavior*, New Society Publishers, Gabriola Island, B.C., Canada. *Class text*.

➔ Communication: Creating Effective Messages, pgs. 93-110.

Long, J.A., (2012). Waiting for Hohfeld: Property rights, property privileges, and the physical consequences of word choice. pgs. 1-16 (**pay attention to pgs. 6-16**). *pdf on Moodle*.

Winkler, R., Schewe, S.L., & Matarrita-Cascante, D., (2013). Lakes and community: The importance of natural landscapes in social research. *Society and Natural Resources*, 26(2), 158-175. *pdf on Moodle*.

WEEK 10 November 6/8 Water Quality

Key concepts: Federalism, public interest groups, collaborative planning, resource mobilization. Focus on the Clean Water Act.

Guest Speaker Nov 8th: Sherry Enzler JD PhD, Senior Administrative Officer, Minnesota Department of Natural Resources

IV. Research Project: Data analysis techniques – how to interpret your data. Nov. 8th

Readings:

Gerlak, A.K., (2006). Federalism and US. water policy: Lessons from the 21st Century. *Publius*, 36(2), 231-257. *pdf on Moodle*.

McCann, M., (2006). Law and social movements: Contemporary perspectives. *Annual Review of Law and Social Science*, 2, 17-38. *pdf on Moodle*.

Hoornbeek, J., Hanson, E., Ringquist, E., & Carlson, R., (2013). Implementing water pollution policy in the United States: Total maximum daily loads and collaborative watershed management. *Society and Natural Resources*, 26 (4), 420-436. *pdf on Moodle*.

WEEK 11 November 13/15 Water

Key concepts: How policy is made and implemented, social movement organizations.

Exam #2, Nov 15th in class. Covering Weeks 7-11 + basic concepts from Weeks 1-6 Short answer and one essay.

Readings:

Public Policy: The Essential Readings, (2013). edited by Stella Z. Theodoulou and Matthew A. Cahn, *Pearson Education Inc.*, Upper Saddle River, New Jersey, *Class text*.

➔ Kingdon, John. Why Some Issues Rise and Others are Negated, pgs. 157-163.

➔ Theodoulou, Stella Z. In Search of a Framework to Understand the Policy Process, pgs. 123-133.

→ Theodoulou, Stella Z. The Structure and Context of Policy Making, pgs. 287-299.

Weeks 12-15: We will use the topic of global climate change to explore key concepts of governance, law, human behavior, and social systems, and how these concepts work in our attempts to redress environmental challenges associated with climate change.

WEEK 12 **November 20/22 Climate**
Social and Natural Systems: Ecosocial Feedback and Change in Urban Ecosystems
 Key concepts: Urban ecosystems, household choice, biogeochemical cycling, biodiversity, science, and policy initiatives

V. Research Project: Poster design – presenting your work in graphical form. Nov. 22nd

Readings:

Fissore, C., Baker, L.A., Hobbie, S.E., King, J.K., McFadden, J.P., Nelson, K.C., & Jakobsdottir, E., (2011). Carbon, nitrogen, and phosphorus fluxes in household ecosystems in the Minneapolis-Saint Paul, Minnesota, urban region. *Ecological Applications*, 21(3), 619-639. pdf on Moodle.

McKenzie-Mohr, D. & Smith, W., (2011). *Fostering Sustainable Behavior*, New Society Publishers, Gabriola Island, B.C., Canada. *Class text*.

→ Developing Strategies Revisited, pgs. 129-136.

→ Step 4: Piloting, pgs. 137-142.

Public Policy: The Essential Readings, (2013). edited by Stella Z. Theodoulou and Matthew A. Cahn, Pearson Education Inc., Upper Saddle River, New Jersey, *Class text*.

→ Kingdon, John. Why Some Issues Rise and Others are Negated, pgs. 157-163.

THANKSGIVING BREAK

WEEK 13 **November 27/29 Climate and Socio-ecological Change**
 Key concepts: Endangered Species Act, adaptation, uncertainty, and environmental protection, risk perception, bureaucratic agencies in democratic government, delegation, agency capture.

Guest Speaker Nov 29th: Sherry Enzler JD PhD, Senior Administrative Officer, Minnesota Department of Natural Resources

Readings:

Public Policy: The Essential Readings, (2013). edited by Stella Z. Theodoulou and Matthew A. Cahn, Pearson Education Inc., Upper Saddle River, New Jersey, *Class text*.

→ Matthew A. Institutional and Noninstitutional Actors, pgs. 199-206.

→ Meier, Kenneth J. Regulation, Politics, Bureaucracy, and Economics, pgs. 236-244.

→ Wilson, James Q. The Rise of the Bureaucratic State, pgs. 230-35.

Berkes, F., & Ross, H., (2013). Community resilience: Toward an integrated approach. *Society and Natural Resources*, 26 (1), 5-20. pdf on Moodle.

Davidson, D. (2013). We still have a long way to go; and a short time to get there: A response to F. Berkes and H. Ross. *Society and Natural Resources*, 26 (1), 21-24. *pdf on Moodle*.

Ross, H., & Berkes, F., (2013). Community resilience: A rejoinder to Debra J. Davidson. *Society and Natural Resources*, 26 (1), 25-29. *pdf on Moodle*.

WEEK 14 **December 4/6 Climate
Environmental Justice**

Key concepts: Environmental justice, race and class.

Assignment Due Dec 6th

Research Poster: Summary presentation of all components of the research project with an emphasis on the Findings, Discussion, and Conclusion.

Include: Introduction, Key Literature, Research Question, Methods, Findings, Discussion/Conclusion, Key References

Readings:

Pellow, D.N., & Brehm, H.N., (2013). An environmental sociology for the Twenty-first Century. *Annu. Rev. Sociol.*, 39, 229-250. read pgs. 235-39. *pdf on Moodle*

Thomas, D.S.G. & Twyman, C., (2003). Equity and justice in climate change adaption amongst natural resource dependent societies. *Global Environmental Change*, 15, 115-124. *pdf on Moodle*.

Chhatre, A., & Agrawal, A., (2009). Trade-offs and synergies between carbon storage and livelihood benefits from forest commons. *Proceedings of the National Academy of Sciences, United States*, 106(42), 17667-17670. *pdf on Moodle*.

WEEK 15 **December 11/13 Climate
Climate Change on a Global Scale**

Key concepts: Climate change, treaties, sovereignty, and human systems responses.

Class exercise: Poster presentation and research reflection

Final Exam Prompt Handed Out – Dec 13th

Research Poster Carousel Presentation must be present – December 13th

*Exam #3 (Final Essay) – Thursday December 21st 8-10 am, Only Posted to Moodle
The exam will be open for submission after the last day of class.
You can only post the exam once.
Covers Weeks 12-15 +basic concepts from Weeks 2-10.*