

**PPD 568: Environmental Governance and Sustainability:
Themes and Approaches (2 units)**

Fall 2017

Mondays 4:00-5:50PM

Location: RGL 209

Instructor: Dan Mazmanian (mazmania@usc.edu)

Office: RGL 324

Office Hours: Monday.2:30-3:30 p.m. and by appointment

Course Description

This course provides an introduction to critical issues of environmental policy and governance in looking toward a more sustainable future. It is one of the core classes in the Certificate in Sustainable Policy and Planning.

The course is organized into three components:

- Key issues and dimensions of environmental governance
- Approaches and ‘policy tools’ in addressing issues of environmental protection and sustainability
- Implementation of National Climate Change Commitments (“Accords”) by the signature nations at COP21, the twenty-first convening of the Conference of Parties (COP), in Paris in December of 2015

The course is organized in seminar-format, with presentations and discussion and the expectation of active student participation.

Learning Objectives

- *An understanding of the governing and environmental policy issues relevant to the transformation underway toward a more sustainable future*
- *Appreciation of the ethical, policy, and social implications of the transformation*
- *Knowledge of specific examples of policy “tools” and national approaches*
- *Development of team-based presentational skills*

Course Requirements and Performance Evaluation

- *Class attendance.* Every student is expected to attend all class sessions.
- *Weekly questions and comments.* Every student is to have completed the assigned readings in advance of class, providing weekly reading questions and concerns via Blackboard (unless otherwise indicated), and participate in class discussion and in-class activities.
- *Two Team projects.* Each student is required to participate in two team presentation, one on a “policy tool” and another on a selected nation’s commitments to reduce it’s green-house gas emissions per the COP21 accords.
- *Two short papers.* Each student is required to write a short reflective paper and an application of a policy tool paper.

- *Form and style:* All written assignments must be double-spaced, and written in plain and concise prose as described in Strunk and White's Elements of Style.

Required Reading

- Frank Biermann, EARTH SYSTEM GOVERNANCE: WORLD POLITICS IN THE NTHROPOCENE (MIT Press, 2014)
- All assigned articles and reports indicated in the weekly class schedule

Recommended Reading for those unfamiliar with US Environmental Policy

- Norman Vig and Michael Kraft, 9th Ed's., ENVIRONMENTAL POLICY: NEW DIRECTIONS FOR THE 21st CENTURY, 2015
- Sheldon Kamieniecki and Michael Kraft, Editors, THE OXFORD HANDBOOK of U.S. ENVIRONMEHNTAL POLICY, 2013

Course Assignments and Grading

ASSIGNMENT	LENGTH	DUE DATE	% OF GRADE
Short paper #1: "Reflections on Holdren" What does he argue? Do you concur, why or why not? What do you consider credible evidence on climate change and its potential effects?	4-5 double-spaced pages	Sept. 1 st (Friday) no later than 5:00pm Submit via turnitin	20%
Short paper #2: Critique of Frank Biermann, EARTH SYSTEM GOVERNANCE	4-5 double-spaced pages	Week 15 Wednesday, Dec. 14 th , no later than 5:00pm	20%
Policy tools team report: a. Team meeting with professor b. Team presentation and handout	Pwpt presentation in class with 1 page exec. summary handout for the class	In class presentation weeks 6-9	20%
COP21 Accord team report: a. Team meeting with professor b. Team presentation and handout	Pwpt presentation in class with 1 page exec. summary handout for the class	In class presentation weeks 11-14	20%
Weekly questions on reading and in-class participation	n/a	every week	20%
Extra Credit:			

Reflections on the presentations at the 2017 Energy Transition conference Oct. 5-6, 2017	2-3 double-spaced pages	Oct. 10th	5%
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Weekly Reading Assignment

Students are expected to come to class having read all of the assigned reading. Each student is required to submit via “turn-it-in” in Blackboard, two (2) questions or critical issues raised by the readings for the week that can help focus the class discussion. Questions and issues must be submitted in advance of the class, specifically, by 9am Monday morning of class.

Two Short Paper, double-spaced, 4-5 pages

- (1) Reflections on Holdren
- (2) Critique of Biermann, Earth System Governance

Team Presentation on Policy Tools

Each student participates in a 3-4 person team that is responsible for researching the theory (the logic or rationale) behind a different policy tool or approach, the extent and assessment of its utilization in practice. The team will present its findings to the class and lead the class in discussion of the approach.

Team Presentation on COP21

Each student participates in a 2-4 person team that is responsible for researching a selected nation’s COP21 greenhouse gas reduction commitment and its commitment to a new (post-Kyoto) international climate change policy. The team presents its findings to the class and leads the class in discussion of the commitment.

Statement on Academic Conduct and Support Systems

Academic Conduct:

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Part B, Section 11, “Behavior Violating University Standards” <https://policy.usc.edu/scampus-part-b/>. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct>.

Support Systems:

Student Counseling Services (SCS) - (213) 740-7711 – 24/7 on call

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.
<https://engemannshc.usc.edu/counseling/>

National Suicide Prevention Lifeline - 1-800-273-8255

Provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week. <http://www.suicidepreventionlifeline.org>

Relationship & Sexual Violence Prevention Services (RSVP) - (213) 740-4900 - 24/7 on call. Free and confidential therapy services, workshops, and training for situations related to gender-based harm. <https://engemannshc.usc.edu/rsvp/>

Sexual Assault Resource Center

For more information about how to get help or help a survivor, rights, reporting options, and additional resources, visit the website: <http://sarc.usc.edu/>

Office of Equity and Diversity (OED)/Title IX compliance – (213) 740-5086

Works with faculty, staff, visitors, applicants, and students around issues of protected class. <https://equity.usc.edu/>

Bias Assessment Response and Support

Incidents of bias, hate crimes and microaggressions need to be reported allowing for appropriate investigation and response. <https://studentaffairs.usc.edu/bias-assessment-response-support/>

Student Support & Advocacy – (213) 821-4710

Assists students and families in resolving complex issues adversely affecting their success as a student EX: personal, financial, and academic.
<https://studentaffairs.usc.edu/ssa/>

Diversity at USC – <https://diversity.usc.edu/>

Tabs for Events, Programs and Training, Task Force (including representatives for each school), Chronology, Participate, Resources for Students

Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. Website and contact information for DSP:

http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html,
(213) 740-0776 (Phone), (213) 740-6948 (TDD only), (213) 740-8216 (FAX)
[ability@usc.edu/](mailto:ability@usc.edu)

Emergency Preparedness/Course Continuity in a Crisis

In case of a declared emergency if travel to campus is not feasible, USC executive leadership will announce an electronic way for instructors to teach students in their residence halls or homes using a combination of Blackboard, teleconferencing, and other technologies.

Weekly Schedule

Part A: Issues of Environmental Governance and Policy in the Context of Climate Change

Week 1 (Aug. 21) Global Challenges of Environmental Governance and Sustainability

Reading:

- John P. Holdren (2008). “Meeting the Climate Change Challenge,” John H. Chafee Memorial Lecture, National Council for Science and the Environment: **BB**
- John P. Holdren (2008). “Science and Technology for Sustainable Well-Being,” SCIENCE, Vol. 319:
<http://www.sciencemag.org/cgi/reprint/319/5862/424.pdf>

Sophie Lewis, *et al* (2017). “Defining a New Normal for Extremes in a Warming World”, AMERICAN METEOROLOGICAL SOCIETY:
<http://journals.ametsoc.org/doi/pdf/10.1175/BAMS-D-16-0183.1>

- OECD Environmental Outlook to 2050, at: <http://www.oecd.org/env/indicators-modelling-outlooks/49846090.pdf>
- World Resources Institute, Scan the range of reports, data & charts, and blog for information on climate change and sustainable development needs, goals, ideas, at: <http://www.wri.org>

Week 2 (Aug. 28) Reflections of Holdren Paper due Sept 1st, no in-class session

Week 3 (Sept. 4) LABOR DAY – no in-class session

Week 4 (Sept. 11) The Evolution of Environmental Governance: from tragedy of the commons to regulation to sustainable development

Reading:

- Garrett Hardin (1998). “The Tragedy of the Commons,” SCIENCE, with “additional thoughts”; **BB**
- Dan Mazmanian & Michael Kraft (2009). “The Three Epochs of the Environmental Movement,” in Mazmanian & Kraft, editors, TOWARD SUSTAINABLE COMMUNITIES, 2nd edition: **BB**
- Robert Durant, *et al* (2004). “Toward a New Governance Paradigm for Environmental and Natural Resources Management in the 2^{1st} Century? ADMINISTRATION AND SOCIETY, 35(6):
<http://aas.sagepub.com.libproxy.usc.edu/cgi/reprint/35/6/643> [LOGIN via USC libraries required]

Selection of teams for in-class presentation and discussion of 2nd generation approaches for weeks 6-9 (one hour for presentation and discussion)

<u>Team Research Approaches</u>	<u>Other Approaches</u>
1. Market based incentives 2. Citizen empowerment and	<ul style="list-style-type: none"> • Government R&D

participation 3. Sustainable and multi-media planning	<ul style="list-style-type: none"> • Capacity building • Risk and product labeling • Voluntary compliance • Insurance and liability
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Week 5 (Sept. 18) Nexus of Equity, Environment, and Sustainable Economic Development (the 3-Es)

Reading:

- Daniel Fiorino (forthcoming). “Green Economy: Reframing Ecology, Economics, and Equity.” Draft. **BB**
- Manuel Pastor (2014). “A measure of justice: environmental equity and the sustainable city.” Ch. 12, Mazmanian & Blanco. **BB**
- Mark Stallworthy (2009). “Environmental Justice for and Era of Climate Change”, JOURNAL OF LAW AND SOCIETY, 36(1):
<http://onlinelibrary.wiley.com/doi/10.1111/j.1467-6478.2009.00456.x/pdf>
- Analilia Garcia, *et al* (2013). “The (Trade, Health, Environment) Impact Project: A community-Based Participatory Research Environmental Justice Case Study,” ENVIRONMENTAL JUSTICE; **BB**

Part B: 2nd Generation Policy Tools and Approaches: Issues and Presentations

Week 6 (Sept. 25) 2nd Generation Approaches and Policy Tools

Reading:

- Daniel J. Fiorino (2004). “Flexibility”, Ch. 11, Robert Durant, Daniel Fiorino, & Rosemary O’Leary, ENVIRONMENTAL GOVERNANCE RECONSIDERED: **BB**
- Kent Portney (2015). “Taking Sustainable Cities Seriously: What Cities are Doing,” Ch.12, Norman Vig & Michael Kraft, eds., ENVIRONMENTAL POLICY: NEW DIRECTIONS FOR THE 21ST CENTURY, 9th Edition: **BB**

Wk. 7a (Oct. 2) Team Presentation: Market-based Incentives

Reading:

- Sheila Olmstead (2015). “Applying Market Principles to Environmental Policy,” Ch. 10, Vig and Kraft, ENVIRONMENTAL POLICY, 9th edition: **BB**
- Richard Schmalensee & Robert Stavins (2013). “The SO2 Allowance Trading System: The Ironic History of a Grand Policy Experiment.” JOURNAL OF ECONOMIC PERSPECTIVES, 27 (1): 103-133:
<http://pubs.aeaweb.org/doi/pdfplus/10.1257/jep.27.1.103>
- Nives Dolsak (2007). An Assessment of Tradable Permits for Common-Pool Resources. *Review of Policy Research*, 24 (6): 541-565.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1541-1338.2007.00299.x/epdf>

Wk 7b (Oct. 5-6) 2017 Energy Policy Forum – Price/Tsinghua/Hertie

**Energy & Climate Policy in California, Germany, & China:
Policy Leadership and Challenges**

Location: USC Alumni House
October 5-6, 2017

Wk. 8 (Oct. 9) Team Presentation: Citizen Empowerment and Information Disclosure

Reading:

- Dan Mazmanian & Jeannie Nienaber (1979). "The Total Immersion Approach to Open Planning," Ch. 6, CAN ORGANIZATIONS CHANGE?; **BB**
- Thomas Weblar & Seth Tuler (2006). "Four Perspectives on Public Participation Process in Environmental Assessment and Decision Making: Combined Results from 10 Case Studies." POLICY STUDIES JOURNAL, 34 (4): 699-721:
<http://onlinelibrary.wiley.com/doi/10.1111/j.1541-0072.2006.00198.x/epdf>

Wk. 9 (Oct. 16) Team Presentation: Sustainable Planning

Reading:

- William Leach, *et al* (2013). "Fostering Learning through Collaboration: Knowledge Acquisition and Belief Change in Marine Aquaculture Partnerships." JOURNAL OF PUBLIC ADMINISTRATION RESEARCH AND THEORY, 24: 591-622:
<http://jpart.oxfordjournals.org/content/early/2013/03/15/jopart.mut011.full.pdf+html>
- Michael Bosswell, Adrienne Greve, & Tammy Seale (2014). "Climate Action Planning", Ch. 15, Daniel Mazmanian and Hilda Blanco, editors, SUSTAINABLE CITIES: **BB**

Activity: Selection of teams for in-class presentation and discussion of Paris Accords on national climate change commitments and energy policy for the following nations (*one hour for presentation and discussion*, weeks 12-15): 1. United States 2. China 3. India 4. Germany

Part C: Multi-National Governance: Challenges, Accords, Team Presentations

Wk.10 (Oct. 23) Multi-national Accords and Challenges of Global Governance

Reading:

- Joeri Rogelj, *et al* (2016). Paris Agreement climate proposals need a boost to keep warming well below 2 degrees C, PERSPECTIVE, Nature Vol 534:
<http://www.nature.com/nature/journal/v534/n7609/pdf/nature18307.pdf>
- Pamela Chasek, Lynn Wagner & I. William Zartman, "Six Ways to Make Climate Negotiations More Effective," CIGI Policy Brief, June 2015;
https://www.cigionline.org/sites/default/files/fixing_climate_governance_pb_no3_web.pdf
- Adam Rose, Dan Wei, Noah Miller, Toon Vandyck (forthcoming). "Equity, Emissions Allowance Trading and the Paris Agreement on Climate Change," ECONOMICS OF DISASTERS AND CLIMATE CHANGE; **BB**
- Yamide Dagnet, *et al* (2016). "Staying on Track from Paris: Advancing the Key Elements of the Paris Agreement," Working paper, WORLD RESOURCES

INSTITUTE.

[http://www.wri.org/sites/default/files/Staying_on_Track_from_Paris -
Advancing the Key Elements of the Paris Agreement 0.pdf](http://www.wri.org/sites/default/files/Staying_on_Track_from_Paris_-_Advancing_the_Key_Elements_of_the_Paris_Agreement_0.pdf)

Wk. 11 (Oct. 30) Team Presentations: Climate Change Accords & Energy Policy – U.S.

Reading:

- Daniel Fiorino (2011). “Explaining national environmental performance: approaches, evidence, and implications,” POLICY SCIENCE, 44: <http://link.springer.com/article/10.1007%2Fs11077-011-9140-8#page-1/>
- U.S. Environmental Protection Agency (2015). “Climate Change in the United States: Benefits of Global Action,” USEPA report, June; <http://www2.epa.gov/cira>

Wk. 12 (Nov. 6) Team Presentation: Climate Change Accords and Energy Policy - China

Reading:

- Robert Keohane & David Victor (2011). “The Regime Complex for Climate Change,” PERSPECTIVE ON POLITICS, 9(1): **BB**

Wk. 13 (Nov. 13) Team Presentations: Climate Change Accords and Energy Policy – India

Reading:

- Frank Biermann (2014). EARTH SYSTEM GOVERNANCE: WORLD POLITICS IN THE ANTHROPOCENE, MIT Press, Chapters 1-4

Wk. 14 (Nov. 20) Team Presentation: Climate Change Accords and Energy Policy - Germany

Readings:

- Frank Biermann (2014). EARTH SYSTEM GOVERNANCE: WORLD POLITICS IN THE ANTHROPOCENE, MIT Press, Chapters 5-8

Wk. 15 (Nov. 27) Discussion of Earth Systems Governance and the Future of Climate Change Policy

Reading:

- Richard Benedick (1998). OZONE DIPLOMACY, Chapters 1 & 2, pp. 1-22: **BB**
- Marco Gonzales, *et al* (2015). “The Montreal Protocol: how today’s successes offer a pathway to the future”. JOURNAL OF ENVIRONMENTAL STUDIES AND SCIENCE; <http://download.springer.com/static/pdf/376/art%253A10.1007%252Fs13412-014-0208-6.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs13412-014-0208-6&token2=exp=1468447577~acl=%2Fstatic%2Fpdf%2F376%2Fart%25253A10.1007%25252Fs13412-014-0208-6.pdf%3ForiginUrl%3Dhttp%253A%252F%252Flink.springer.com%252Farticle>

[%252F10.1007%252Fs13412-014-0208-6*~hmac=4fde57f1bdda05a3760184e3103c349c5a08121396050c3a2d67940426d8c87c](#)

REMINDER: 2nd Short Paper, due Monday, Dec. 11th, by 5:00pm

Final Exam – *time and date TBD*