Instructor: Dr. Juliana Qiong Wang
Email: juliana.wang@usc.edu
Office Hours: Friday 11am-12pm
Office Location: SOS B-15

Course Description:

The environmental decisions that the world's fastest growing economy makes today will shape what our whole planet looks like tomorrow. What are the factors that influence environmental law and policy when so much is at stake? This class provides an overview of the foundations of environmental law and policy in the context of China. We will explore the theories and analytical tools behind environmental law and policy decision and study topics such as property rights, externalities, and benefit cost analysis. These theories will be studied in conjunction with Chinese environmental law and policy. Topics include energy policy, restructuring of the electricity sector, air pollution, forest management, agriculture, urbanization, transportation, water, fiscal reform, green technology, engagement of the civil society, and environmental governance, etc.

Course Objectives:

Students will be exposed to the economic tools and issues that affect environmental law and policy. Students will also learn how to apply these tools to analyze environmental and natural resource management policies in China. Students will be trained to engage in scholarly research by presenting journal articles and write scholarly papers. Students will sign up for topics and present to the class what they have learned from reading the journal articles. Many of these journal articles were written by Chinese scholars, which in themselves provide interesting perspectives of environmental philosophy in China.

Readings:

1. Journal articles are provided in the reading schedule.

2. The following resources are recommended as background reading.


Chinadialogue http://www.chinadialogue.net/

China Environmental Governance (VLS’ US-China Partnership For Environmental Law), http://chinaenvironmentalgov.com/

China Environmental Law (http://www.chinaenvironmentallaw.com/; especially useful for unofficial translations of Chinese environmental laws – see “Laws & Regulations” – as are the sources mentioned on p. 12 of the McElwee coursebook)


Grading

<table>
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<tr>
<th>Category</th>
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<tbody>
<tr>
<td>Attendance and Class Participation</td>
<td>10%</td>
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<tr>
<td>Reports</td>
<td>30%</td>
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<td>Presentations</td>
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<td>Critiques</td>
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Attendance and class participation is critical to success in this course. Participation means arriving on time, having done the reading, and being prepared to discuss the day’s content. Students will also sign up for topics to present. The topics are either tools or issues related to environmental law and policy.
Statement on Academic Integrity:
USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one’s own academic work from misuse by others as well as to avoid using another’s work as one’s own. All students are expected to understand and abide by these principles. SCampus, the Student Guidebook, contains the Student Conduct Code in Section 11.00, while the recommended sanctions are located in Appendix A: http://web-app.usc.edu/scampus/. Students will be referred to the Office of Student Judicial Affairs and Community Standards for further review, should there be any suspicion of academic dishonesty. The Review process can be found at: http://www.usc.edu/student-affairs/SJACS/.

Religious Observance:
Students may wish to take part in religious observances during the semester. If students have a religious observance that conflicts with the participation in the course, they are required to speak with the instructor before the end of the second week of the semester to discuss appropriate accommodations.

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. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Course Outline and Reading Schedule:

<table>
<thead>
<tr>
<th>Wk</th>
<th>Date</th>
<th>Topics and Readings (Background readings are optional)</th>
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<tr>
<td>1</td>
<td>1/10</td>
<td><strong>Overview</strong></td>
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<tr>
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<td>1/12</td>
<td><strong>Economic Foundations of Environmental Law and Policy</strong></td>
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**Wk 1**

**Date: 1/10**

**Topics and Readings:**

**Sustainability and Dynamic Efficient Policies**

**Background Readings:**

- TL Chapter 1. Visions of the Future
- TL Chapter 5. Sustainable Development
- Alaska Permanent Fund
  - http://www.apfc.org/home/Content/home/index.cfm
  - http://www.pfd.state.ak.us/

**Date: 1/12**

**Economic Foundations of Environmental Law and Policy**
Papers:

Easter Island

Nauru

Should we put a dollar value on the environment?
Other articles in that issue on valuation can also be helpful.

Background Readings:
TL Chapter 2. Valuing the Environment: Concepts
TL Chapter 3. Valuing the Environment: Method

1/17 Property Rights and Externalities

Papers:

Shrimp Farming Externalities

Role of Property Rights

Market Forces

Background Readings:
TL Chapter 4. Property Rights, Externalities, and Environmental Problems

1/19 Property Rights and Governance in China (Presentations)

Papers:


**Background Reading (optional):**

Energy (Electricity)

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<th>Time</th>
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<td>3/24</td>
<td>T1</td>
<td>The Natural Resource and Global Energy Challenge Papers</td>
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**Energy-Development Connection**


**Resource Availability**


**Background Readings:**
TL Chapter 7. Natural Resource Economics
TL Chapter 8. Energy

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<td>China’s Energy Policy Papers</td>
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4 1/31 Electricity I: Restructuring

Papers:


Background Reading:

2/1 Electricity II: Production, Demand, and Demand Side Management (Presentations)

Papers:


Electricity III: Competition, Shortages, and Renewable Portfolio

**Papers:**


Air Pollution

**Papers:**


**Book Chapter (optional):**


**Background Readings:**

TL Chapter 14. Environmental Economics: An Overview
TL Chapter 15. Stationary-Source Local and Regional Air Pollution
Air Quality in China

Papers:


Mercury

Papers:


Environmental Governance and Civil Society

Environmental Governance

Papers:


2/23  Environmental NGOs
Th

Papers:


Common-Pool Resources and Biodiversity

2/28  Conservation Efforts
T

Papers:


Book (optional):

### Biodiversity and Ecosystem Services

**Papers:**


### Land Use, Agriculture, Forestry and Transportation

#### Land Use

**Papers:**


**Background Reading:**

TL Chapter 10. Land


#### Agriculture

**Papers:**


**Background Reading:**
TL Chapter 11. Agriculture

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<th>Week</th>
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<td>10</td>
<td>3/12-3/17</td>
<td>Spring Recess</td>
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<tr>
<td>11</td>
<td>3/20</td>
<td>Managing Forests</td>
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<tr>
<td>12</td>
<td>3/27</td>
<td>Forest Land Tenure and Grain for Green Policy</td>
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**Papers:**


http://www.hawaii.edu/aplpj/articles/APLPJ_11.2_pils.pdf


Xu, Jintao, Andy White, and Uma Lele. 2010. *China’s Forest Land Tenure Reform: Impacts and Implications for Choice, Conservation and Climate Change*. Washington:
Rights and Resources Initiative. Available at
http://www.rightsandresources.org/publication_details.php?publicationID=1406


Qin, P., et. al., *Forest Tenure Reform in China: A Choice Experiment on Farmers' Property Rights Preferences*. Land Economics v. 87 no. 3 (August 2011) p. 473-87


3/29

**Guest Lecture: Transportation Policy in China**

**Speaker:** Dr. Feng AN, President, Innovation Center for Energy and Transportation (iCET)

**Background Reading:**
TL Chapter 17. Transportation

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**Water Resource Management**

13  4/3

**Water Resources and Water Pollution**

**Papers:**


**Background Reading:**
TL Chapter 18. Water Pollution
TL Chapter 9. Water
### Water Resource Management in China

**Papers:**


**Background Reading:**


### Population

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<td><strong>Population, Poverty, and the Environment</strong></td>
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**Papers:**


Case of Kerala


**Readings:**

TL Chapter 6. The Population Problem
TL Chapter 21. The Quest for Sustainable Development

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<tr>
<th>Date</th>
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<tr>
<td><strong>Population Policy in China</strong></td>
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**Papers:**

Rozelle, Huang and Zhang. *Poverty, Population and Environmental Degradation in*


Human Capital Investment? Twins, Birth Weight and China's "One-Child" Policy.

<http://muse.jhu.edu/>.

Domestic and International Dimensions of Environmental Policy

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<td>4/17 T</td>
<td>Fiscal Policy, Decentralization and the Environment</td>
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**Papers:**


Qian, Yingyi, Gerard Roland, and Chenggang Xu. 2006. Coordination and
Experimentation in M-Form and U-Form Organizations. Journal of Political Economy,
114 (2): 366-402

Parker, Elliot, and Judith Thornton. 2007. Fiscal Centralization and Decentralization in

Cao, Y., Qian Y., and B. Weingast. 1999. From Federalism, Chinese Style to
Privatization, Chinese Style. Economics of Transition, 7(1), 103-131

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<tr>
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<tr>
<td>4/19 Th</td>
<td>International Agreements</td>
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**Papers:**


Zhao, Jimin., Ortolano, Leonard, The Chinese Government’s Role in Implementing
Multilateral Environmental Agreements: The Case of the Montreal Protocol, The China
Optional:

Industrial Sustainability and GreenTech

4/24 T

16

Industrial Sustainability, Green GDP, and Circular Economy

Papers:


4/26 Th

Green Revolution

Papers:


Final Reports Due May 8th at 2pm (IN LIEU OF FINAL)