

**THE GEORGE WASHINGTON UNIVERSITY**  
**Environmental and Energy Management Program**  
**Course Name: *Policy Factors in Environmental and Energy Management***  
**EMSE 6200: Syllabus**

**Course and Contact Information**

Course: EMSE 6200  
Meeting time: Wednesdays, 6:10 pm – 8:40 pm  
Location: 1776 G Street, Room C-112

**Instructors:**

Names: Joe Cascio, Esq., and Alex Beehler, Esq.  
Campus Address: Tompkins Hall, Suite 103  
Phone: 202-994-3005 / 202-994-2013  
E-mail: [cascio@gwu.edu](mailto:cascio@gwu.edu) / [beehler@gwu.edu](mailto:beehler@gwu.edu)  
Office hours: As requested and arranged

**Bulletin Course Description**

This course introduces students to the issues, solutions, approaches, and responses that affect the regulated environmental and energy community in the U.S. The course approaches the relevant factors from the users' perspective rather than from the policy maker or enforcer's side. Topics of interest to users include how environmental and energy laws are made, EPA's compliance enforcement role, the goals of applicable laws and regulations, how the policy system works and how it might be improved, private governance and private-sector consensus management standards, and trends on the horizon for next generation environmental self-governance.

**Relevant Information**

Course web page:  
Instructors web pages: <https://eemi.seas.gwu.edu/joe-cascio-esq>;  
<https://eemi.seas.gwu.edu/alex-beehler>  
EEMI: <https://eemi.seas.gwu.edu/>  
EEM Program: <https://eem.seas.gwu.edu/>  
Guest Lecturers: Prominent policy experts from both public and private sectors

**Prerequisites**

No formal course prerequisites.

**Course Texts**

Author	Title	Edition
Fiorino, Daniel J.	<u>The New Environmental Regulation</u> (required to be	The MIT Press, 2006, *Students to arrange own

	read in its entirety)	access to text
Fiorino, Daniel J.	<i>Making Environmental Policy (recommended reference)</i>	University of California Press, 1995
Friedman, Frank B.	<i>Practical Guide to Environmental Management 9<sup>th</sup> Edition (recommended reference)</i>	Environmental Law Institute, 2003
Leroy C. Paddock and Jessica A. Wentz	<i>Next Generation Environmental Compliance and Enforcement (recommended reference)</i>	Environmental Law Institute, 2014
	Relevant papers by well-known experts	*Will be available electronically

### Learning Outcomes:

1. Understand the process for environmental policy development
2. Appreciate the roles played by various stakeholders in the process (e.g., NGOs, Media, Industry, States, Courts, Congress)
3. Be knowledgeable about US EPA organization and processes for policy development
4. Be knowledgeable about relevant laws and regulations and the various tools and strategies employed to change and channel behavior in the regulated community
5. Understand the role of taxation in carbon pricing and mechanisms for their application
6. Distinguish the advantages and disadvantages of “old” and “next-generation” regulatory instruments
7. Understand the principles and underpinnings of “private governance”
8. Appreciate the responses of the regulated community to both “old” and “private governance” mandates and opportunities
9. Understand the elements and goals of formal management systems for environmental and energy management based on international standards
10. Be knowledgeable of US EPA *challenge programs* that over a number of years injected “next-generation” thinking into strategies to improve environmental performance
11. Understand the challenges faced in shifting environmental policy in any measure from a “command-and-control” paradigm to a “private governance” paradigm

**Class Schedule [week-by-week]**

Date	Topic(s) and readings	Assignment(s) Due
Prior to Session1		Read: Session 1 handouts.
Session 1 August 30 2017	<p>Introduction to Policy Factors</p> <ul style="list-style-type: none"> <li>a. Environmental protection historical roots (factors in the 60s and 70s)</li> <li>b. Challenges in creating, promulgating, and enforcing environmental policy</li> <li>c. Characteristics of command-and-control</li> <li>d. Conditions for effective environmental policy</li> <li>e. Questions on policy issues and strategies to be addressed</li> </ul>	
Prior to Session 2		Read: Session 2 handouts.
Session 2 September 6 2017	<p>Laws and Regulations (Guest: Phil Sharp)</p> <ul style="list-style-type: none"> <li>a. Statutory framework</li> <li>b. Statutes and regulations</li> <li>c. Controls and standards in regulations:               <ul style="list-style-type: none"> <li>1) Technology standards</li> <li>2) Health standards</li> <li>3) Management standards</li> <li>4) Quality standards</li> </ul> </li> </ul>	Industrial Responses (IR) P2 Programs; Superfund
Prior to Session 3		Read: Session 3 handouts.
Session 3 September 13 2017	<p>EPA formation and structure (Guest: Rick Otis)</p> <ul style="list-style-type: none"> <li>a. EPA formation and organization</li> <li>b. Regulatory development</li> <li>c. Statutory framework</li> </ul>	IR: Beyond Compliance; RCRA Part B
Prior to Session 4		Read: Session 4 handouts.
Session 4 September 20 2017	<p>Categorizing Risks and defining problems(Guest: )</p> <ul style="list-style-type: none"> <li>a. Risk analysis</li> <li>b. Economic analysis</li> <li>c. Categorizing environmental problems</li> </ul>	IR: Electronic waste

Date	Topic(s) and readings	Assignment(s) Due
Prior to Session 5		Read: Session 5 handouts.
Session 5 September 27 2017	Participation of other stakeholders (Guest: Alex Dunn-ECOS) (Sept 27) <ol style="list-style-type: none"> <li>a. Congressional oversight</li> <li>b. The Executive Branch</li> <li>c. The Courts and States</li> <li>d. Industry (WICSD, NAEM, GEMI, EHSS, C2ES, NAEP)</li> <li>e. NGOs and Media</li> <li>f. Institutional forces</li> </ol>	IR: Waste Recyclers; Achievement downside
Prior to Session 6		Read: Session 6 handouts.
Session 6 October 4 2017	Policy Tools, Instruments, and Strategies <ol style="list-style-type: none"> <li>a. Risk Communication</li> <li>b. Direct regulation</li> <li>c. Market incentives</li> <li>d. Strategies</li> <li>e. Product stewardship (recycling, product take-back)</li> <li>f. Supply chain management</li> </ol>	IR: Challenge programs
Prior to Session 7		Read: Session 7 handouts.
Session 7 October 11 2017	<u>Mid-Term Examination</u>	
Session 8 October 18 2017	Using carbon pricing (Guest: Jimmy Jia) <ol style="list-style-type: none"> <li>a) Taxation's role for carbon pricing</li> <li>b) Evaluation of carbon policy proposals</li> <li>c) Mechanisms of taxation</li> <li>d) Using taxes to change behavior</li> <li>e) De-risking the future</li> </ol>	

Date	Topic(s) and readings	Assignment(s) Due
Prior to Session 9		Read: Session 9 handouts.
Session 9 October 25 2018	Private Governance (Guest: Frank Friedman) <ol style="list-style-type: none"> <li>a. "Old" and "New" regulation</li> <li>b. Reflexive law</li> <li>c. EPA's Performance Track</li> <li>d. Netherlands approach</li> <li>e. Findings of various "blue ribbon" commissions</li> <li>f. Sustainable Development (Brundtland Report; Sustainability)</li> <li>g. Management protocols (e.g., ICC Charter)</li> <li>h. Management system standards (MSS)</li> </ol>	IR: Design for Environment
Prior to Session 10		Read: Session 10 handouts.
Session 10 November 1 2017	Management Systems (Guest: Ed Pinero) <ol style="list-style-type: none"> <li>a. History of management system standards (MSS) leading to ISO 14000/50000/45000 standards (9000, Rio Conference, Industrial incidents, SAGE)</li> <li>b. The ISO 14000/50000 series</li> <li>c. ISO 14001/50001 implementation strategies</li> <li>d. Obstacles to broad acceptance of ISO 14001/50001 (in industry; in government)</li> </ol>	
Prior to Session 11		Read: Session 11 handouts.
Session 11 November 8 2017	Motivators for the regulated community (Guest: Ernie Rosenberg) <ol style="list-style-type: none"> <li>a. Risk reduction/avoidance</li> <li>b. Regulation</li> <li>c. Public image</li> <li>d. Efficiency and cost reduction</li> <li>e. Ways to improve business quality</li> </ol>	IR: Recycling program

Date	Topic(s) and readings	Assignment(s) Due
Prior to Session 12		Read: Session 12 handouts.
Session 12 November 15 2017	<p>Next Generation trials and programs (Nov 15)</p> <ul style="list-style-type: none"> <li>a) EPA's Energy Star, Water Sense, SO<sub>2</sub> trading, and others</li> <li>b) USGBC (LEED)</li> <li>c) Forest Stewardship Council (Sustainable Forestry)</li> <li>g. EPA attempts at experimental approaches <ul style="list-style-type: none"> <li>1) CSI</li> <li>2) 33/50</li> <li>3) Project XL</li> </ul> </li> </ul>	
Prior to Session 13		Read: Session 13 handouts.
Session 13 November 29 2017	<p>EPA's Next Generation enforcement strategy (Guest: Lee Paddock)</p> <ul style="list-style-type: none"> <li>a. Elements</li> <li>b. Issues</li> <li>c. Federal interagency oversight and collaboration</li> </ul>	IR: Executive education
Prior to Session 14		Read: Session 14 handouts
Session 14 December 6 2017	<p>Promoting Private Governance in the U.S. (Guests: Lynn Scarlett and Mike Boots)</p> <ul style="list-style-type: none"> <li>a) Trends and democracy</li> <li>b) Optimistic/pessimistic views</li> <li>c) Designing a better approach: <ul style="list-style-type: none"> <li>1) Changing the laws</li> <li>2) Using alternative tracks</li> <li>3) Using environmental management contracts</li> <li>4) Regulating small facilities differently</li> <li>5) Using performance agreements with industry groups</li> </ul> </li> </ul>	
Session 15 December 13 2017	<p><u>Final Examination.</u> The main points in all course sessions will appear on the final examination.</p>	

Date	Topic(s) and readings	Assignment(s) Due
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**NOTE: In accordance with university policy, the final exam will be given during the final exam period and not the last week of the semester**

### Grading

- midterm exam (35%)
- final exam (35%)
- class participation in case (30%)

### Assignments

Specific assignments related to the case study will be made in course sessions.

Assignment	Description	Total Points
Read "industrial responses" assigned prior to in class discussion	discussions of industrial responses in multiple sessions	30% of grade
	<b>Total Possible Points</b>	<b>30 out of 100</b>

## University Policies

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### University Policy on Religious Holidays

1. Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance.
2. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations.
3. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities

### Support for Students outside the Classroom

#### Disability Support Services (DSS)

Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: [gwired.gwu.edu/dss/](http://gwired.gwu.edu/dss/)

#### Mental Health Services 202-994-5300

The University's Mental Health Services offer 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. [counselingcenter.gwu.edu/](http://counselingcenter.gwu.edu/)

#### Academic Integrity Code

Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information. For the remainder of the code, see: [studentconduct.gwu.edu/code-academic-integrity](http://studentconduct.gwu.edu/code-academic-integrity)