

PAI 400/600: Environmental Law, Regulation, and Governance Syllabus

Fall Term 2020 (updated 9/16/20)

Instructor and Course Information

Instructor	Contact Information	Office Hours
Ute Brady, Ph.D. Postdoctoral Scholar Public Administration and International Affairs	Center for Policy Research 508 Eggers Hall Email: ubbrady@syr.edu	By appointment (online only)

Class Meeting Time and Location

Wednesday
9:30am -12:15pm
Hall of Languages, Room 107

Course Description

As governments deal with enduring and emerging environmental dilemmas, they confront various questions, such as: At what scale should transboundary natural resources and pollution be managed? How to design policy in dynamic social and environmental systems? What types of policy instruments are most effective for dealing with different types of environmental problems? Answering such questions requires an understanding of key features of environmental goods, as well as key features of governing systems. This course provides an introduction to environmental governance, focusing on how resource and governing system features shape how environmental policies are designed and implemented.

At the beginning of the course, students learn about approaches for characterizing environmental dilemmas. They are also introduced to approaches for evaluating environmental dilemmas through social-ecological systems analyses. Next, students learn fundamentals of policy design. Relating to this topic, they also learn about administrative structures and processes through which environmental policies are designed, as well as how government agencies coordinate vertically and horizontally in designing and implementing policies that deal with transboundary resource management. The latter portion of the course covers key environmental legislation and regulations used in the governance of air, water, and land related environmental dilemmas. The course concludes with an introduction to emerging issues in environmental governance, including climate

change planning, voluntary environmental governance, and urban system sustainability.

Course Objectives

Upon completing this course, students will have a greater understanding of:

- Approaches for characterizing environmental dilemmas
- Legislative and administrative structures and processes that are relevant for environmental policymaking
- How governments coordinate horizontally and vertically to manage environmental dilemmas
- Major U.S. environmental laws and regulations
- Emerging issues in environmental governance

Course Materials

There are three required texts for this course (text information below). In addition to these texts, students will review academic journal articles, professional reports, and other materials relating to weekly course topics. These additional materials are posted on the course blackboard site. Reading assignments are listed in the course schedule in this syllabus as well as under each unit on the course blackboard site.

Required Texts

- Young, Oran R. 2013. *On Environmental Governance*. New York, NY: Taylor & Francis.
- Karapin, Roger. 2016. *Political Opportunities for Climate Policy: California, New York, and the Federal Government*. New York, NY: Cambridge University Press.
- Van Der Heijden, Jeroen. 2017 *Innovations in Urban Climate Governance: Voluntary Programs for Low-Carbon Buildings and Cities*. Cambridge, UK: Cambridge University Press.

Participation (120 points total)

Participation and engagement with the course materials are a crucial part of this course. It is expected that students have read the assigned readings prior to class and are prepared to ask questions and engage in discussion related to the assigned materials.

Questions on assigned readings (10 points each)

There are twelve class sessions with assigned readings. In order to facilitate discussion, students are required to **email the instructor questions related to each assigned reading by noon the day before class.**

For example, on September 2, we will be discussing five readings (Biel & Thogerson (2007); Ostrom, V. & Ostrom, E. (1977); Young (2013): Introduction and Chaps. 1 and 2). Students are expected to have read the materials and emailed the instructor one question on each of the readings prior to class (a total of five questions) for a total score of 10 points.

Late email submission of reading questions

Students are encouraged to contact the instructor if they anticipate not being able to submit their reading questions by the deadline. Questions emailed after the specified deadline will receive a zero score.

Assignments (400 points total)

Assignments for this course consist of three response papers and a final examination. Each assignment and the final exam is worth 100 points.

Response Papers (3 papers @ 100 points each)

For the response papers, students will be asked to apply course concepts to analyze real-world environmental issues and policies. These assignments are designed to test students' ability to understand and critically evaluate the reading, lecture, and discussion material covered during the semester. The complete assignment description and grading rubric will be posted three weeks prior to the assignment due date.

Final Examination (100 points)

The final exam will be comprehensive, covering selected topics addressed throughout the course. The exam will be designed to test students' ability to understand and critically evaluate the course concepts and will consist of several multipart questions. The exam will be closed note and closed book.

Submitting Assignments

All assignments, unless otherwise announced, **MUST** be submitted to the designated area of Blackboard. Assignments should be in Word or pdf format. Do not submit assignments via email or in an unapproved format. It is the student's responsibility to ensure that their submission is in the required format and uploaded correctly to Blackboard. Assignments submitted incorrectly may be subject to late assignment penalties.

Late Assignments

The late submission of an assignment will result in a lower grade. For each day an assignment is late, the instructor will deduct one letter grade's worth of points from the

earned grade. A late assignment submission may be negotiated between the student and the instructor on an as-needed basis in response to students' professional or personal circumstances. Students should notify the instructor as soon as possible if they anticipate a late assignment submission.

Grading

Grading Scale

Students can earn a total of 520 points in this course. The percentage of points earned by students will be used to calculate their course grades. The following grade scale will be used.

94–100%	= A
90–93%	= A-
87–89%	= B+
84–86%	= B
80–83%	= B-
77–79%	= C+
74–76%	= C
70–73%	= C-
<73%	= Failing

Email and Office Hours

All communications related to this course will be sent to students' official syr.edu email account. It is students' responsibility to monitor their syr.edu account on a regular basis.

Office hours are by appointment only and will be held online via Zoom.

University Policies

Students should review Syracuse University policies so they are aware of general expectations regarding conduct as well as services available to them to support their academic success. Below are excerpts from University policies relating to various issues.

Stay Safe Pledge

Syracuse University's Stay Safe Pledge reflects the high value that we, as a university community, place on the well-being of our community members. This pledge defines norms for behavior that will promote community health and wellbeing. Classroom expectations include the following: wearing a mask that covers the nose and mouth at all times, maintaining a distance of six feet from others, and staying away from class if you feel unwell. Students who do not follow these norms will not be allowed to continue in face-to-face classes; repeated violations will be treated as violations of the Code of Student Conduct and may result in disciplinary action.

Food and Drink in the Classroom

Eating and drinking require the lowering of the face mask, creating a potentially dangerous situation. For this reason, students are not allowed to eat or drink in class during the COVID-19 pandemic. We will be taking regular breaks; however, students may leave the room as needed if they require food or drink outside of break time.

Academic Integrity

Syracuse University's Academic Integrity Policy reflects the high value that we, as a university community, place on honesty in academic work. The policy defines our expectations for academic honesty and holds students accountable for the integrity of all work they submit. Students should understand that it is their responsibility to learn about course-specific expectations, as well as about university-wide academic integrity expectations. The policy governs appropriate citation and use of sources, the integrity of work submitted in exams and assignments, and the veracity of signatures on attendance sheets and other verification of participation in class activities. The policy also prohibits students from submitting the same work in more than one class without receiving written authorization in advance from both instructors. Under the policy, students found in violation are subject to grade sanctions determined by the course instructor and non-grade sanctions determined by the School or College where the course is offered as described in the Violation and Sanction Classification Rubric. Syracuse University students are required to read an online summary of the University's academic integrity expectations and provide an electronic signature agreeing to abide by them twice a year during pre-term check-in on MySlice.

All academic integrity expectations that apply to in-person quizzes and exams also apply to online quizzes and exams. In this course, all work submitted for quizzes and exams must be yours alone. Discussing quiz or exam questions with anyone during the quiz or exam period violates academic integrity expectations for this course.”

Using websites that charge fees or require uploading of course material (e.g. Chegg, Course Hero) to obtain exam solutions or assignments completed by others and present the work as your own violates academic integrity expectations in this course.

Use of Class Materials and Recordings

Original class materials (handouts, assignments, tests, etc.) and recordings of class sessions are the intellectual property of the course instructor. You may download these materials for your use in this class. However, you may not provide these materials to other parties (e.g., web sites, social media, other students) without permission. Doing so is a violation of intellectual property law and of the student code of conduct.

Disability Statement

Syracuse University values diversity and inclusion; we are committed to a climate of mutual respect and full participation. There may be aspects of the instruction or design of this course that result in barriers to your inclusion and full participation in this course. I invite any student to contact me to discuss strategies and/or accommodations (academic adjustments) that may be essential to your success and to collaborate with the Center for Disability Resources (CDR) in this process.

If you would like to discuss disability-accommodations or register with CDR, please visit [Center for Disability Resources](#). Please call (315) 443-4498 or email disabilityresources@syr.edu for more detailed information.

The CDR is responsible for coordinating disability-related academic accommodations and will work with the student to develop an access plan. Since academic accommodations may require early planning and generally are not provided retroactively, please contact CDR as soon as possible to begin this process.

Discrimination or Harassment

Federal and state law, and University policy prohibit discrimination and harassment based on sex or gender (including sexual harassment, sexual assault, domestic/dating violence, stalking, sexual exploitation, and retaliation). If a student has been harassed or assaulted, they can obtain confidential counseling support, 24-hours a day, 7 days a week, from the [Sexual and Relationship Violence Response Team](#) at the Counseling Center (315-443-8000, Barnes Center at The Arch, 150 Sims Drive, Syracuse, New York 13244). Incidents of sexual violence or harassment can be reported non-confidentially to the University's Title IX Officer (Sheila Johnson Willis, 315-443-0211, titleix@syr.edu, 005 Steele Hall). Reports to law enforcement can be made to the University's Department of Public Safety (315-443-2224, 005 Sims Hall), the Syracuse Police Department (511 South State Street, Syracuse,

New York, 911 in case of emergency or 315-435-3016 to speak with the Abused Persons Unit), or the State Police (844-845-7269). I will seek to keep information you share with me private to the greatest extent possible, but as a professor I have mandatory reporting responsibilities to share information regarding sexual misconduct, harassment, and crimes I learn about with the University's Title IX Officer to help make our campus a safer place for all.

Faith Tradition Observances

Syracuse University does not set aside days for any religious holiday. **Students must notify instructors by the end of the second week of classes** for regular session classes and by the submission deadline for flexibly formatted classes when they will be observing their religious holiday(s). The online notification form to do so is available through MySlice for two weeks beginning on the first day of class.

Course Schedule

Unit 1

Course Introduction

Date: August 26

Readings:

- None

Assignment:

- Questions on readings due August 25 by noon

Unit 2

Characterizing Dilemmas

Date: September 2

Readings:

- Biel, Anders and John Thogerson. 2007. "Activation of Social Norms in Social Dilemmas: A Review of the Evidence and Reflections on the Implications for Environmental Behavior." *Journal of Economic Psychology* 28 (1): 93-112.
- Ostrom, Vincent and Elinor Ostrom. 1977. "Public Goods and Public Choices." In *Alternatives for Delivering Public Services: Toward Improved Performance*, edited by E.S. Savas. Boulder, CO: Westview Press. Pp. 7-49.
- Young, Oran R. 2013. *On Environmental Governance*. New York, NY: Taylor & Francis. Introduction and Chaps. 1 and 2

Assignment:

- Questions on readings due Sep. 1 by noon

Unit 3 Governance Systems

Date: September 9

Readings:

- Folke, Carl. 2006. "Resilience: The Emergence of a Perspective for Social-Ecological Systems Analyses." *Global Environmental Change* 16 (3): 253-267.
- Ostrom, Elinor. 2009. "A General Framework for Analyzing Sustainability of Social-Ecological Systems." *Science* 325: 419-422.
- Anderies, John M.; and Janssen, Marco A. 2013. "Robustness of Social-Ecological Systems: Implications for Public Policy". *Policy Studies Journal* 41(3):513-536.
- Anderies, John M.; Janssen, Marco A.; and Schlager, Edella. 2016. "Institutions and the Performance of Coupled Infrastructure Systems". *International Journal of the Commons* 10(2): 1-22.
- Young, Oran R. 2013. *On Environmental Governance*. New York, NY: Taylor & Francis. Chaps. 3 and 7

Assignment:

- Questions on readings due Sep. 8 by noon

Unit 4 Law and Regulation

Date: September 16

Readings:

- Craig, Robin Kundis, Ahjond S. Garmestani, Craig R. Allen, Craig Anthony (Tony) Arnold, Hannah Birge, Daniel A. DeCaro, Alexander K. Fremier, Hannah Gosnell, and Edella Schlager. 2017. "Balancing Stability and Flexibility in Adaptive Governance: An Analysis of Tools Available in U.S. Environmental Law." *Ecology and Society* 22 (2): 3.
- Mazmanian, Daniel A. and Michael E. Kraft. 2009. "The Three Epochs of the Environmental Movement." In *Toward Sustainable Communities: Transition and Transformations in Environmental Policy*, edited by Daniel A. Mazmanian and Michael E. Kraft. Cambridge, MA: MIT Press.
- National Agricultural Law Center. "Environmental Law: An Overview." <http://nationalaglawcenter.org/overview/environmental-law-overview/>

Assignment:

- Questions on readings due Sep. 15 by noon

- **Response Paper 1 Due**

Unit 5

Administrative Structure and Context

Date: September 23

Readings:

- Fiorino, Daniel J. 2012. "Environmental Bureaucracies: The Environmental Protection Agency." In *The Oxford Handbook of U.S. Environmental Policy*, edited by Michael E. Kraft and Sheldon Kamieniecki. Oxford, UK: Oxford University Press.
- "Administrative Law." Handout.
- Kettl, Donald F. 2018. "Organizational Theory and the Role of Government Structure: The Executive Branch." In *Politics of the Administrative Process*. Thousand Oaks, California, pp. 118-143.

Assignment:

- Questions on readings due on Sep. 22 by noon

Unit 6

Administrative Processes

Date: **September 26 (SATURDAY)**

Readings:

- Carey, Maeve P. 2013. "The Federal Rulemaking Process: An Overview." Congressional Research Service Report.
- Rinfret, Sara R. 2011. "Frames of Influence: U.S. Environmental Rulemaking Cases." *Review of Policy Research* 28 (3): 231-246.
- Rinfret, Sara R. and Scott R. Furlong. 2012. "Defining Environmental Rule Making." In *The Oxford Handbook of U.S. Environmental Policy*, edited by Michael E. Kraft and Sheldon Kamieniecki. Oxford, UK: Oxford University Press.

Assignment:

- Questions on readings due Sep. 25 by noon

Unit 7

Intergovernmental Relations: Horizontal Coordination and Conflict

Date: September 30

Readings:

- Schlager, Edella and Tanya Heikkila. 2009. "Resolving Water Conflicts: A Comparative Analysis of Interstate River Compacts." *Policy Studies Journal* 37 (3): 367.
- Young, Oran R. 2013. *On Environmental Governance*. New York, NY: Taylor & Francis. Chap. 4

Assignment:

- Questions on readings due Sep. 29 by noon

Unit 8

Intergovernmental Relations: Vertical Coordination and Conflict

Date: October 7

Readings:

- Engel, Kristen H. 2006, "Harnessing the Benefits of Dynamic Federalism in Environmental Law." *Emory Law Journal* 56: 159.
- Newig, Jens and Tomas M. Koontz. 2014. "Multi-Level Governance, Policy Implementation, and Participation: The EU's Mandated Participatory Planning Approach to Implementing Environmental Policy." *Journal of European Public Policy*.
- Young, Oran R. 2013. *On Environmental Governance*. New York, NY: Taylor & Francis. Chap. 5

Assignment:

- Questions on readings due Oct. 6 by noon

Unit 9

Major Environmental Policies: Air

Date: October 14

Readings:

- Bachmann, John. 2007. "Will the Circle Be Unbroken: A History of the U.S. National Ambient Air Quality Standards." *Journal of the Air and Waste Management Association* 57 (6): 652-697.
- McCarthy, James E, Claudia Copeland, Larry Parker, Linda-Jo Schierow. 2011. "Clean Air Act: A Summary of the Act and Its Major Requirements." Congressional Research Service Report.
- Schmalensee, Richard and Robert N. Stavins. 2015. "Lessons Learned from Three Decades of Experience with Cap-and-Trade." Working Paper.

Assignment:

- Questions on readings due Oct. 13 by noon

Unit 10

Major Environmental Policies: Water

Date: October 21

Readings:

- Allaire, Maura, Haowei Wu, and Upmanu Lall. 2018. "National Trends in Drinking Water Quality Violations." *Proceedings of the National Academy of Science* 115 (9): 2078-2083.
- Copeland, Claudia. 2012. "Clean Water Act: A Summary of the Law." Congressional Research Service Report.
- Hauer, Matthew E., Jason M. Evans, and Deepak R. Mishra. 2016. "Millions Projected to be at Risk from Sea-Level Rise in the Continental United States." *Nature Climate Change*.
- Scanlon, Bridget R., Ben L. Ruddell, Patrick M. Reed, Ruth I. Hook, Chunmiao Zhen, Vince C. Tidwell, and Stefan Siebert. 2017. "The Food-Energy-Water Nexus: Transforming Science for Society." *Water Resources Research* 53: 3550-3556.

Assignment:

- Questions on readings due Oct. 20 by noon
- **Response Paper 2 due Oct. 21 at 11:59 pm**

Unit 11

Major Environmental Policies: Land/Biodiversity

Date: October 28

Readings:

- DeFries, Ruth S., Jonathan A. Foley, and Gregory P. Asner. 2004. "Land-Use Choices: Balancing Human Needs and Ecosystem Function." *Frontiers in Ecology and Environment* 2 (5): 249-257.
- Lawler, Joshua J., David J. Lewis, Erik Nelson, Andrew J. Plantinga, Stephen Polasky, John C. Withey, David P. Helmers, Sebastian Martinuzzi, Derric Pennington, and Volker C. Radeloff. 2014. "Projected Land-Use Change Impacts on Ecosystem Services in the United States." *Proceedings of the National Academy of Science*
- Ramaswami, Anu, Armistead G. Russell, Patricia J. Culligan, and Karnamadakala R. Rahul Sharma, and Emani Kumar. 2016. "Meta-Principles for Developing Smart, Sustainable, and Healthy Cities." *Science* 352 (6288): 940-943.

Assignment:

- Questions on readings due Oct. 27 by noon

Unit 12

Adaptive Governance

Date: November 4

Readings:

- DeCaro, Daniel A., Brian C. Chaffin, Edella Schlager, Ahjond S. Garmestani, and J.B. Ruhl. 2017. "Legal and Institutional Foundations of Adaptive Environmental Governance." *Ecology and Society* 22 (1): 1-32.
- Van Der Heijden, Jeroen. 2017. *Innovations in Urban Climate Governance: Voluntary Programs for Low-Carbon Buildings and Cities*. Cambridge, U.K.: Cambridge University Press. Chaps. 1-4

Assignment:

- Questions on readings due Nov. 3 by noon

Unit 13

Voluntary Environmental Programs

Date: November 11

Readings:

- Van Der Heijden, Jeroen. 2017. *Innovations in Urban Climate Governance: Voluntary Programs for Low-Carbon Buildings and Cities*. Cambridge, U.K.: Cambridge University Press. Chaps. 5-7.

Assignment:

- Questions on readings due Nov. 10 by noon

Unit 14

Emerging Issues in Environmental Governance

Date: November 18

Readings:

- Karapin, Roger. 2016. *Political Opportunities for Climate Policy: California, New York, and the Federal Government*. New York, NY: Cambridge University Press. Introduction and Chaps. 6-9.

Assignment:

- Questions on readings due Nov. 17 by noon
- **Response Paper 3 due Nov. 18 at 11:59 pm**

Unit 15
Thanksgiving Break

Readings:

- None

Assignment:

- None

Unit 16
Final Exam

Due December 7 (submitted through Blackboard)

Course Schedule (updated 9/16/20):

UNIT 1: Course Introduction Aug 24 – Aug. 26		
<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Mon. Aug. 24 – Aug. 25	Sign in for in-class or online participation	Blackboard
Wed. Aug. 26	Course Introduction, 9:30 am – 12:15 pm Readings: None	HL 107
UNIT 2: Characterizing Dilemmas Wed. Sep. 2		
<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Aug. 26 – Sep. 1	Readings: Biel & Thogerson (2007); Ostrom, V. & Ostrom, E. (1977); Young (2013): Introduction and Chaps. 1 and 2 Sign in for in-class or online participation	N/A Blackboard
Tue. Sep. 1	Email instructor one question on each of the readings DEADLINE: Noon Sep. 1	Email
Wed. Sep. 2	Lecture & in-class discussion 9:30 am – 12:15 pm	HL 107
UNIT 3: Governance Systems Wed. Sep. 9		
<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Sep. 2 – Sep. 8	Readings: Folke (2006); Ostrom, E. (2009); Anderies & Janssen 2013; Anderies et al. 2016; Young (2013): Chaps. 3 and 7 Sign in for in-class or online participation	N/A Blackboard
Tue. Sep. 8	Email instructor one question on each of the readings DEADLINE: Noon Sep. 8	Email
Wed. Sep. 9	Lecture & In-class discussion, 9:30 am – 12:15 pm	HL 107

**UNIT 4: Law & Regulation
Wed. Sep. 16**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Sep. 9 – Sep. 16	Readings: Craig, et al. (2017); Mazmanian & Kraft (2009); National Agricultural Law Center Sign in for in-class or online participation	N/A Blackboard
Tue. Sep. 15	Email instructor one question on each of the readings DEADLINE: Noon Sep. 15	Email
Wed. Sep. 16	Lecture & In-class discussion, 9:30 am – 12:15 pm RESPONSE PAPER 1 DUE BY 11:59 pm	HL 107 Blackboard

**UNIT 5: Administrative Structure & Context
Wed. Sep. 23**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Sep. 16 – Sep. 23	Readings: Fiorino (2012); “Administrative Law” handout; Kettl (2018) Sign in for in-class or online participation	N/A Blackboard
Tue. Sep. 22	Email instructor one question on each of the readings DEADLINE: Noon Sep. 22	Email
Wed. Sep. 23	Lecture & In-class discussion, 9:30 am – 12:15 pm	HL 107

**UNIT 6: Administrative Processes
Sat. Sep. 26**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Sep. 23 – Sep. 26	Readings: Carey (2013); Rinfret (2011); Rinfret & Furlong (2012) Sign in for in-class or online participation	N/A Blackboard
Fri. Sep. 25	Email instructor one question on each of the readings DEADLINE: Noon Sep. 25	Email
Sat. Sep. 26	Lecture & discussions, 9:30 am – 12:15 pm	Zoom only

**UNIT 7: Intergovernmental Relations (Horizontal Coordination and Conflict)
Wed. Sep. 30**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Sep. 26 – Sep. 30	Readings: Schlager & Heikkila (2009); Young (2013): Chap. 4 Sign in for in-class or online participation	N/A Blackboard
Tue. Sep. 29	Email instructor one question on each of the readings DEADLINE: Noon Sep. 29	Email
Wed. Sep. 30	Lecture & discussions, 9:30 am – 12:15 pm	HL 107

**UNIT 8: Intergovernmental Relations (Vertical Coordination and Conflict)
Wed. Oct. 7**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Sep. 30 – Oct. 7	Readings: Engel (2006); Newig & Koontz (2014); Young (2013): Chap. 5 Sign in for in-class or online participation	N/A Blackboard
Tue. Oct. 6	Email instructor one question on each of the readings DEADLINE: Noon Oct. 6	Email
Wed. Oct. 7	Lecture & discussions, 9:30 am – 12:15 pm	HL 107

**UNIT 9: Major Environmental Policies (Air)
Wed. Oct. 14**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Oct. 7 – Oct. 14	Readings: Bachmann (2007); McCarthy et al. (2011); Schmalensee & Stavins (2015) Sign in for in-class or online participation	N/A Blackboard
Tue. Oct. 13	Email instructor one question on each of the readings DEADLINE: Noon Oct. 13	Email
Wed. Oct. 14	Lecture & discussions, 9:30 am – 12:15 pm	HL 107

**UNIT 10: Major Environmental Policies (Water)
Wed. Oct. 21**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Oct. 14 – Oct. 21	Readings: Allaire et al. (2018); Copeland (2012); Hauer et al. (2016); Scanlon et al. (2017) Sign in for in-class or online participation	N/A Blackboard
Tue. Oct. 20	Email instructor one question on each of the readings DEADLINE: Noon Oct. 20	Email
Wed. Oct. 21	Lecture & discussions, 9:30 am – 12:15 pm RESPONSE PAPER 2 DUE BY 11:59 pm	HL 107 Blackboard

**UNIT 11: Major Environmental Policies (Land/Biodiversity)
Wed. Oct. 28**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Oct. 21 – Oct. 28	Readings: DeFries et al. (2004); Lawler et al. (2014); Ramaswami et al. (2016) Sign in for in-class or online participation	N/A Blackboard
Tue. Oct. 27	Email instructor one question on each of the readings DEADLINE: Noon Oct. 27	Email
Wed. Oct. 28	Lecture & discussions, 9:30 am – 12:15 pm	HL 107

**UNIT 12: Adaptive Governance
Wed. Nov. 4**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Oct. 28 – Nov. 4	Readings: DeCaro et al. (2017); Van der Heijden (2017): Chaps. 1-4 Sign in for in-class or online participation	N/A Blackboard
Tue. Nov. 3	Email instructor one question on each of the readings DEADLINE: Noon Nov. 3	Email
Wed. Nov. 4	Lecture & discussions, 9:30 am – 12:15 pm	HL 107

**UNIT 13: Voluntary Environmental Programs
Wed. Nov. 11**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Nov. 4 – Nov. 11	Readings: Van der Heijden (2017): Chaps. 5-7 Sign in for in-class or online participation	N/A Blackboard
Tue. Nov. 10	Email instructor one question on each of the readings DEADLINE: Noon Nov. 10	Email
Wed. Nov. 11	Lecture & discussions, 9:30 am – 12:15 pm	HL 107

**UNIT 14: Emerging Issues in Environmental Governance
Wed. Nov. 18**

<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Nov. 11 – Nov. 18	Readings: Karapin (2016): Introduction; and Chaps. 6-9 Sign in for in-class or online participation	N/A Blackboard
Tue. Nov. 17	Email instructor one question on each of the readings DEADLINE: Noon Nov. 17	Email
Wed. Nov. 18	Lecture & discussions, 9:30 am – 12:15 pm RESPONSE PAPER 3 DUE BY 11:59 pm	HL 107 Blackboard

UNITS 15 – 16: Wrap up Wed. Nov. 18 – Dec. 7		
<u>Important Dates</u>	<u>Activity</u>	<u>Location</u>
Wed. Nov. 25	Thanksgiving holiday: No class	N/A
Mon. Dec. 7	FINAL EXAM DUE 11:59 pm	Blackboard