

The Johns Hopkins University
Krieger School of Arts and Sciences
Advanced Academic Programs:
Environmental Science and Policy Program
Fall Term 2015

SYLLABUS
COASTAL ZONE PROCESSES AND POLICY
(420.638.81)

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If you need to be in touch with me outside of Blackboard, email is the best way to reach me. Include the title of the course in the subject field (e.g., *JHU Coastal Processes and Policy*). You can expect to hear back from me with 48 hours. If you don't hear from me in that time please don't hesitate to send another email – the last one probably slipped through the cracks.

I am in the Pacific Time Zone. If you call me please call between 12:00 pm and 9:00 pm ET.

Course Description: This course focuses on the science, management and governance of the coastal zone. The course explores natural coastal processes, the state of the coastal environment, the impacts of humans on the coastal zone, responses to changing conditions along the coast, and the development of integrated coastal management plans to increase the resiliency of coastal communities in a period of rapidly rising sea level. The range of possible coastal governance themes will be explored. The course takes a global perspective, but focuses on the United States coastal zone.

Course Goals and Learning Objectives:

The goals of this course are:

- To evaluate the "State of the Coast"
- To explore and understand natural coastal zone processes, environments and ecosystems
- To assess the impacts of humans on the coastal zone
- To consider the range of responses to sea level rise
- To explore, analyze and evaluate coastal governance themes and approaches
- To explore and develop integrated coastal zone management plans

My hope is that you will leave this course a coastal zone science, management and governance literate scientist and policy expert, armed with strategies to manage the coastal zone into the future and the inspiration to put those strategies into action.

Course Protocols:

Changes to the Course

Any changes to the course will be announced in the Announcements section. Please check announcements every time that you log into the Bb.

Communication with Professor or Other Students

The majority of communication will take place within the Discussion forums. When you have a question about an assignment or a question about the course, please contact me, or post your question in the course's "Syllabus & Assignment Question" forum.

In all online communication it's important to follow proper rules of netiquette—network etiquette. "Etiquette" means the social and culture norms of communicating with others in a proper and respectful way. In other words, netiquette is a set of rules for behaving and interacting properly online.

The Netiquette "Core Rules" linked below are a set of general guidelines for cyberspace behavior. They probably won't cover all situations, but they should give you some basic principles to use in communicating online. For Netiquette Core Rules visit this web page: www.albion.com/netiquette/corerules.html

Emails

When you send an e-mail message to me or to another participant in the course, please observe the following guidelines:

- Include the title of the course in the subject field (e.g., *JHU Coastal Processes and Policy*)
- Keep messages concise, and check spelling and grammar.
- Sign your full name (the sender's email is not always obvious).

Required Readings: See readings listed in table of Tentative Schedule of Topics, Readings, and Exams below. Some readings are available through the EReserves link on Blackboard, some are included in with weekly materials and there is the textbook that is listed below.

Burroughs, Richard (2011) *Coastal Governance*, Island Press, 241 p.
ISBN-13: 978-1-59726-485-3
ISBN-10: 1-59726-485-7

Grades:

Your grade in this course will be based on the following formula:

Midterm exam	15%
Final exam	15%
Threaded discussions	20%
Project	25%
Presentation	25%
TOTAL=	100%

Course Work:

Exams

There will be two **closed-book, closed-note, timed** (3 hours) exams, a midterm and a final. Each exam is worth 15% of your final grade. Examinations may include the following types of questions: short answers, essays, and identification. You may be asked to label diagrams or identify features that we have discussed.

Threaded Discussions

Because we are working in a completely online environment and asynchronously at that, there are various techniques we will use to create an online community of learners. One method is the online threaded discussion. There will be threaded discussions every week. The discussion topic will be opened Wednesday at 12 noon ET and will close the next Wednesday at 12 noon ET. You are required to post **three** times during the week. Please try to post on two or three different occasions during the week. A continual flow of content helps move the discussion along and adds richness to the course. You will be graded (on a scale of 1-5) on the quality of your posts. Five is full credit in the threaded discussions and represents an A, 4 is a B, 3 is a C, 2 is a D, and 1 is and F. Discussions are an important tool that allows us to stay connected with each other and therefore, constitute 20% of your total grade.

I will pose questions to start the discussions off each week. You may respond to my initial question, respond to the comments of your classmates, or move the discussion in a new, but related direction. **Please try not to repeat what has already been said.** Include your references in your postings. Do not simply cut and paste information from the Internet. This is plagiarism. Use multiple sources and synthesize information into a cohesive post. Please use scientific sources as much as possible. Don't simply use Wikipedia.

Project

You will be required to pick and evaluate the state of a stretch of coastline (e.g., the Coast of Delaware or Louisiana). You will document its natural characteristics (location, length, type of coastline, source of sediment, natural coastal processes, environments and ecosystems) as well as the human influences (population, population growth projected to at least 2050 and size and nature of the local economy). Submit the results of your research as a 6-8 page long paper. Be sure to cite your references. Your Project is worth 25% of your final grade.

Presentation

You will use the same stretch of coastline that you investigated in the project and develop a coastal zone management plan for that area. Your presentation must include the information that you learned in preparing your project. This will serve as the background information for the area. You will prepare a short (12-15 slide) PowerPoint presentation with accompanying notes that you will present to the class during the 12th or 13th weeks of the semester. The class will be split into two groups, with one presenting each week. Students who are presenting will be responsible for leading the threaded discussion that week. I will set up a discussion thread for each of you. Your presentation is worth 25% of your final grade. The discussion questions that you post do NOT count toward your post totals that week. I want you to continue to participate in the discussions.

Late Assignments

If you anticipate having a problem getting an assignment in on time please be in touch with me before the due date. I will work with you to come up with a solution.

Feedback

You can expect feedback from me with 7 business days.

Academic Honesty:

The strength of the University depends on academic and personal integrity. In this course, you must be honest and truthful. Ethical violations include cheating on exams, plagiarism, reuse of assignments, improper use of the Internet and electronic devices, unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition. Report any violations you witness to me. It is your responsibility to be familiar with the Code of Conduct policy for Advanced Academic Programs. See the policy statement at: http://advanced.jhu.edu/wp-content/uploads/2013/01/AAP1101_CodeofConduct.pdf

I cannot stress enough the importance of being honest. Cheating will not be tolerated. If I find you are cheating I will take strong and immediate action. Cheating on an exam can be dealt with in different ways: 1) zero on questions where cheating has occurred, 2) zero on the exam, or 3) a failing grade in the course. Be aware that a failing grade in the course can result in dismissal from the Program. Let's all just be honest and none of this will be an issue.

University Policies:

General

This course adheres to all University policies described in the academic catalog. Please pay close attention to the following policies:

Students with Disabilities

Johns Hopkins University is committed to providing reasonable and appropriate accommodations to students with disabilities. Students with documented disabilities should contact the coordinator listed on the [Disability Accommodations](#) page. Further information and a link to the Student Request for Accommodation form can also be found on the [Disability Accommodations](#) page.

Ethics & Plagiarism

JHU Ethics Statement: The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Ethical violations include cheating on exams, plagiarism, reuse of assignments, improper use of the Internet and electronic devices, unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition. Report any violations you witness to the instructor.

Read and adhere to JHU's [Notice on Plagiarism](#).

Dropping the Course

You are responsible for understanding the university's policies and procedures regarding withdrawing from courses found in the current catalog. You should be aware of the current deadlines according to the [Academic Calendar](#).

Getting Help

You have a variety of methods to get help on Blackboard. Please consult the resource listed in the "Blackboard Help" link for important information. **If you encounter technical difficulty in completing or submitting any online assessment, please immediately contact the designated help desk listed on the [AAP online support page](#).** Also, contact your instructor at the email address listed in the syllabus.

Tentative Schedule of Topics, Readings, and Exams

<u>Week # Dates</u>	<u>Topics</u>	<u>Readings</u>	<u>Assignments and Activities</u>
<u>Week 1</u> 9/2-9/9	Welcome Ocean Literacy The State of the Coast	1.1 – Ocean Literacy* 1.2 – Coastal Population Report* 1.3 – Coastal Governance Chapter 1 http://stateofthecoast.noaa.gov	<ul style="list-style-type: none"> • At least 3 three discussion posts • Introduce yourself to the group in the Introduce Yourself discussion thread
<u>Week 2</u> 9/9-9/16	Sea Level Sea Level Rise	2.1 – Sea Level NAP* 2.2 – IPCC 2007* T.S. 3.3.3, p. 48-51 T.S. 6.4.4, p. 90 Chapter 5, p. 385-432	<ul style="list-style-type: none"> • At least 3 three discussion posts • Project Topic is Due by 9/18 at 11:59 PM EST
<u>Week 3</u> 9/16-10/23	Types of Coasts Coastal Processes	E-reserves: Garrison, Chapter 12 p. 314-335, p. 338-339	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 4</u> 9/23-9/30	Coastal Ecosystems Wetlands Coral Reefs Mangrove Forests	Coastal Governance Chapter 5 Chapter 6 E-reserves: Constanza et el. (1997)	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 5</u> 9/30-10/7	Coastal Hazards	E-reserves: Klee, Chapter 4.	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 6</u> 10/7-10/14	Engineering the Coastline	E-reserves: Garrison, Chapter 12, p. 339-343	<ul style="list-style-type: none"> • Project is Due by 10/14 at 11:59 PM EST • At least 3 three discussion posts

<u>Week 7</u> 10/14-10/21	Midterm Exam		<ul style="list-style-type: none"> • Midterm Exam Due by 10/21 at 11:59 PM EST
<u>Week 8</u> 10/21-10/28	Coastal Zone Management and Policy	Coastal Governance Chapter 2	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 9</u> 10/28-11/4	Approaches to Governance	Coastal Governance Chapter 3 Chapter 4 Chapter 7	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 10</u> 11/4-11/11	Ecosystem-based Management A Critical Path to Desirable Coastal Futures	Coastal Governance Chapter 8 Chapter 9 Chapter 10 Chapter 11	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 11</u> 11/11-11/18	Fisheries/ Aquaculture	World Fisheries and Aquaculture	<ul style="list-style-type: none"> • At least 3 three discussion posts
<u>Week 12</u> 11/18-11/25	Student Presentations		<ul style="list-style-type: none"> • Students presenting this week must post materials by 12:01 AM EST on 11/18 • At least 3 three discussion posts
11/25-11/29	<i>Thanksgiving Break</i>		
<u>Week 13</u> 11/30-12/7	Student Presentations		<ul style="list-style-type: none"> • Students presenting this week must post materials by 12:01 AM EST on 11/30 • At least 3 three discussion posts
<u>Week 14</u> 12/7-12/14	Final Exam		<ul style="list-style-type: none"> • Final Exam Due by 12/14 at 11:59 PM EST

* Readings available within weekly Lessons