

## **MAR 417: Ocean Policy and Management**

Fall 2022

Tuesday 1:00 PM – 3:45 PM (3 credit hours)

Room: FEC 210

### **Instructor and Contact Information**

Emily C. Melvin

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(312) 351-4812

### **Course Communication:**

*Class periods:* Tuesdays from 1:00 PM – 3:45 PM in FEC 210

*Office hours:* Thursdays from 1:00-3:00 PM via Teams or Zoom, or in person at my GCRL office. While I will generally be available at this time every week, please contact me in advance if possible so that I know to expect you and can avoid overlap between students. I am also available at other times by appointment. I recognize the barriers to traveling to GCRL for office hours, so if students would like to meet in person, please contact me for an appointment to meet outdoors or in a communal space at Gulf Park, either before or after class on Tuesdays. *Note that I will be in the field and at a conference and unable to hold office hours the week of October 31, so please plan accordingly. I will be accessible by email this week, but responses may be delayed.*

*Interacting with respect:* Instructors and students are expected to always interact respectfully and honestly. This includes all written, verbal, and electronic communications.

*Timely communication:* I will respond to any email message sent before 5pm on working days on the same day. After 5pm or on weekends, I will respond on the next working day.

### **Course Objectives**

This course will provide an overview of ocean and coastal policy, governance, and management. The primary objective of this course is for students to understand the various formal and informal governance mechanisms relevant to oceans across scale, spanning from local management to national and international oceans policy. This will include an introduction to major international agreements and United States statutes that relate to ocean governance, as well as informal governance institutions and mechanisms. Students will be introduced to the social and environmental challenges that face policymakers, managers, and stakeholders, and learn how the natural and social sciences inform oceans policy (including the challenges with science/policy communications).

Secondarily, student in this course practice their scientific writing skills through revision-writing and task-related assignments. This course fulfills the first component of the writing-intensive requirement of the General Education Curriculum.

*“Each degree plan specifies: (1) an upper-level course that is writing intensive and (2) a capstone. In each of these courses, students are required to write a minimum of 5000 words.”*

This course fulfills this first requirement in this statement, and MAR 497 fulfills the second. MAR 417 – Ocean Policy and Management is a required course for the BS in Marine Science and for the BS in Marine Science with an emphasis on Hydrography. It bridges earlier Marine Science courses in these programs to the societal relationships with the oceans and explores how marine science and ocean policy interact.

### **Course Learning Outcomes**

By the end of this course, students will be able to

1. Articulate the definitions of governance, policy, and institutions, and broadly understand the types of informal and formal governance mechanisms and institutions that impact oceans
2. Identify and understand the relevant legal and statutory regimes that inform U.S. and international oceans policy
3. Critically evaluate the use of governance approaches and policy tools in ocean and coastal environments
4. Effectively communicate with various actors involved in coastal and ocean management regarding complex management challenges, and be able to contrast the different requirements for communicating with different types of actors (e.g. policymakers vs. academics)

### **Course Materials**

No textbook is required, and all study materials and assigned readings will be provided.

If you intend to work in a policy space and are in need of a fairly comprehensive reference book, I recommend [Baur, D. C., Eichenberg, T., Snusz, G. H., & Sutton, G. M. \(2015\). \*Ocean and coastal law and policy\*. American Bar Association, Section of Environment, Energy, and Resources](#). *This book is not required for the course.*

### **Course Requirements**

Prerequisites: MAR 210, MAR 300 or 301

In this course, students demonstrate their competencies in the above objectives through completing homework assignments, drafting a policy memo, producing a term paper, taking a final exam, and participating in class. More detailed instructions for each assignment will be posted on canvas.

1. Homework assignments are short (<500 words) assignments that include writing short reflections or critical analyses based on reading assignments, activities, and/or topics discussed in class. One of these assignments will include observing a policymaking process or stakeholder meeting (virtually or in person) and writing a brief reflection on the experience.
2. The policy memo is a concise memo (2 pages single spaced or less) to a policy- or decision-maker that will briefly outline a problem related to oceans management, identify relevant legal/statutory regimes, and make recommendations. This is intended to replicate a real-life product often requested of scientists or analysts by policymakers and managers.
3. The term paper is a more detailed analysis of the same problem addressed in the policy memo, intended for a scientific/academic audience. The paper should provide (1) a background section regarding the history of the issue, which can include historical, ecological, economic, and social perspectives; (2) a description of one or more relevant institutions (including formal regimes/statutes or informal governance mechanisms) that relate to the issue; and (3) a contemporary analysis of the successes and/or limitations of those mechanisms, along with recommendations for improving the policy/institutional framework. Although the term paper should consider the same topic as the policy memo, the end products should differ substantially due to the differences in length, purpose, and audience.
4. The exam is open-note and consists of several short-essay questions that will test students' knowledge relating to the course objectives. The instructor will provide guiding review questions for each topic that will help students prepare for the exam.
5. Course participation will be based on attendance in class and active participation in in-class activities. Students should come to class having completed the assigned readings.

90-100%: A 80-89%: B 70-79%: C 60-69%: D <60%: F

## **Course Overview**

This course has 5 units.

1. Introduction: Overview of policy and governance, and particular challenges with governance of ocean resources
2. International Governance: A history of ocean territories and the development of the international law of the sea, as well as modern and emerging international regimes relating to oceans governance

3. U.S. Oceans Law and Policy: A survey of some key statutes relating to oceans governance in the United States, and how they relate to broader international mechanisms
4. Governance in Practice: Introduction to policy-related research methods, working with stakeholders, and informal governance mechanisms and institutions
5. (Time Permitting) Special Interest topics: It is not possible to cover every issue relating to ocean policy and governance in detail a single course. Should we stay on schedule, there should be a few class periods at the end of the semester to explore additional topics of interest in further depth. Students will receive a survey at the beginning of the semester to gauge interests. Potential topics include but are not limited to:
  - Area-Based Management Tools (Marine Protected Areas, Marine Spatial Planning)
  - Aquaculture Policy
  - Community-Based Management Case Studies
  - Energy/Oil and Gas
  - Deep Sea Mining
  - Market-Based Mechanisms (e.g. consumer certification programs)
  - Marine Pollution
  - Maritime Shipping
  - Small-Scale Fisheries

## Class Schedule

Assignments are due before class on the date listed, unless otherwise indicated.

Week	Date	Topic(s)	Reading/Assignment
<b>Unit 1. Introduction</b>			
1	8/23/22	Course Introduction -Introduction to Governance, Policy, and Institutions -Fishing Game	No Reading/Assignment
	<b>8/29/22</b>	<b>Last Day to Drop Classes without a Grade of W</b>	
2	8/30/22	Challenges and Opportunities in Oceans Governance -Tragedy of the Commons -Common Pool Resource Management	<b>Read:</b> Hardin (1968), Tragedy of the Commons; Paul & Elder (2003) <b>Optional:</b> Basurto (2005); Fairbanks et al. (2018); Miller et al (2018); Ostrom (1990), chap. 1 <b>Assignment:</b> Homework #1: Critical Reading (credit/no credit) Survey regarding student interests (not graded)

Week	Date	Topic(s)	Reading/Assignment
<b>Unit 2. International Governance</b>			
3	9/6/22	Origin and Development of the International Law of the Sea -History of/Challenges in International Oceans Governance -Convention on Law of the Sea	<b>Read:</b> Rothwell & Stephens (2010), Chap. 1 <b>Assignment:</b> Policy Memo/Term Problem Statement Due by 11:59 PM (credit/no credit)
4	9/13/22	Treaties Relating to Oceans Governance and Biodiversity	<b>Read:</b> Zalick (2018); De Santo et al. (2020) <b>Optional:</b> Melvin et al. (in press); Campbell et al. (2021); Tiller et al. (2020) <b>Assignment:</b> Homework #2: Reading Reflection
<b>Unit 3. United States Oceans Law and Policy</b>			
5	9/20/22	Introduction to U.S. Oceans Law and Policy -Origins of Environmental Regulation and the Environmental Protection Agency -The Public Trust Doctrine -State/Federal Balance and the Coastal Zone Management Act	<b>No Required Reading</b> <b>Optional:</b> Baur et al. (2015), chapters 2-3 <b>Assignment:</b> Policy Memo Draft Due by 11:59 PM (Credit/No Credit)
6	9/27/22	U.S. Oceans Law and Policy, Continued -National Environmental Policy Act -Clean Water Act -Overview of other Relevant Statutes	<b>Read:</b> Benson & Garmestani (2010) <b>Optional:</b> Baur et al. (2015), chapter 6
7	10/4/22	Wildlife Conservation Laws and Policy -Endangered Species Act -Marine Mammal Protection Act	<b>Read:</b> Robards & Lovcraft (2010) <b>Optional:</b> Baur et al. (2015), chapters 16-17 <b>Assignment:</b> Homework #3: NEPA Exercise due by 10/5 at 11:59 PM

Week	Date	Topic(s)	Reading/Assignment
8	10/11/22	Fisheries Governance -Magnuson-Stevens Fishery Conservation and Management Act -Extra-territorial impacts and relation to international fisheries policy	<b>No Required Reading</b> <b>Optional:</b> Baur et al. (2015), chapter 9 <b>Assignment:</b> Final Policy Memo Due by 11:59 PM
<b>Unit 4. Governance in Practice</b>			
9	10/18/22	Introduction to Social Science/Policy Research Methods and Analysis	<b>Read:</b> Bernard et al. (2017), Chaps. 1, 5
10	10/25/22	Working with/in communities -Effective stakeholder engagement -Incorporating traditional knowledge	<b>Read:</b> Kerr et al. (2017); Thornton & Scheer (2012) <b>Optional:</b> Mackenzie et al. (2019)
<b>Unit 5. Special Interest Topics</b>			
11	11/1/22	Guest Lecture: Sara Marriott (class will be virtual) -Small-Scale Fisheries -U.S. Aquaculture Policy -	<b>Read:</b> None
12	11/8/22	No Class: time to complete policymaker/stakeholder observation, and work on term paper (draft due 11/11)	<b>Assignment:</b> -Observe a policymaker or stakeholder engagement process, virtually or in-person (no specific deadline for observation—writeup due week 12.) -Term Paper Drafts Due by 11:59 PM on 11/11/22
13	11/15/22	Ocean Technologies and Rethinking the “Blue Economy” (Bahamas Updates)	<b>Assignment:</b> Homework #4: Policymaker observation reflections due 11/18 11:59 PM <b>Read:</b> Campbell et al. 2021; Gibson-Graham et a. 2013

Week	Date	Topic(s)	Reading/Assignment
14	11/22/22	-Energy/Oil and Gas -Marine Pollution	[CLASS CANCELLED due to illness— online discussion of readings instead.] <b>Read:</b> Schmaltz et al. (2020); Smythe et a. (2020)
15	11/29/22	Course Wrap-Up and Reflections / Exam Review	<b>Assignment:</b> Homework #5: Class Reflections (credit/no credit) Come to class with any questions you may have about the final
Exam Week	TBD 12/8/22	Final Exam: Complete between 5 PM Nov. 29 <sup>th</sup> and 11:59 PM 12/7/22 (24 hour time limit once begun)  Term Papers Due by 11:59 PM	Final Exam Due by 11:59 PM on 12/7/22  Term Papers Due by 11:59 PM on 12/8/22

### Grading Policies and Calculations

Homework assignments 15%

Term Paper/Policy Memo Problem Statement: 5% (Credit/No Credit)

Policy Memo 15%

- Draft: 5% (Credit/No Credit)
- Final: 10%

Term paper 25%

- Draft: 5% (Credit/No Credit)
- Final: 20%

Final Exam 20%

Course participation 20%

Note: Although drafts will be graded on a credit/no credit basis, students are reminded that more comprehensive and complete drafts will receive more detailed and useful feedback from the instructor.

**Attendance:** Students are expected to attend all class periods; attendance is part of your participation grade. Any missed classes will affect your participation grade unless you have cleared your absence with me. Please do not come to class ill. In case of a health-related absence or emergency, please contact me as soon as practicable, preferably before class. All other absences must be approved ahead of time to avoid affecting your participation grade. Students are responsible for any lecture material or assignments missed.

*Missed or Late Assignments:* Assignments and exams must be completed in a timely manner. Assignments must be submitted at the specified time. Assignments submitted up to 24 hours late will be penalized by 10%; assignments submitted up to 48 hours late will be penalized by 25%. Any assignment submitted more than 48 hours after the due date will be regarded as incomplete and given a grade of 0. If you are unable to complete an assignment by the deadline, please contact me to request an extension *before* it is due.

A list of possible grades at the University can be found in the Bulletin (<http://catalog.usm.edu>). Note that students will receive an “interim grade” at the seven-week point to give them an indication of their performance *at that point* in the semester.

Students may drop a course with no penalty in the first week of the semester. If students wish to leave a course with a grade of “W” (for “withdrawal”), they may request to do so before the 50<sup>th</sup> day (specific dates can be found here: <https://www.usm.edu/registrar/calendars>).

Important note: Students who receive a grade of W **do not receive any money back** and that grade is permanently included on their transcripts.

Students should be aware that “Incompletes” can only be assigned in cases of “extraordinary circumstances” beyond the student’s control.

### **Academic Integrity Statement**

All students at the University of Southern Mississippi are expected to demonstrate the highest levels of academic integrity in all that they do. Forms of academic dishonesty include (but are not limited to):

- Cheating (including copying from others’ work)
- Plagiarism (representing another person’s words or ideas as your own; failure to properly cite the source of your information, argument, or concepts)
- Falsification of documents
- Disclosure of test or other assignment content to another student
- Submission of the same paper or other assignment to more than one class without the explicit approval of all faculty members’ involved
- Unauthorized academic collaboration with others
- Conspiracy to engage in academic misconduct

Engaging in any of these behaviors or supporting others who do so will result in academic penalties and/or other sanctions. If a faculty member determines that a student has violated our Academic Integrity Policy, sanctions ranging from resubmission of work to course failure may occur, including the possibility of receiving a grade of “XF” for the course, which will be on the student’s transcript with the notation “Failure due to academic misconduct.” For more details, please see the University’s Academic Integrity Policy, visit [Academic Integrity | The University of Southern Mississippi](#)



[usm.edu](https://usm.edu)) Note that repeated acts of academic misconduct will lead to expulsion from the University.

### **Student Accessibility Services (SAS)**

SAS is Southern Miss's designated office to assist the University in its commitment to protect the civil rights of students with disabilities. SAS protects students from discrimination and offers reasonable accommodations to give them equitable access to university courses and resources. Disabilities covered under the ADA may include but are not limited to ADHD, learning disabilities, psychiatric disabilities, physical disabilities, chronic health disorders, temporary injuries, and pregnancies. If a student feels that they need classroom or housing accommodations based on a disability they should contact SAS by phone at 601-266-5024, by email at [sas@usm.edu](mailto:sas@usm.edu), in person by visiting the SAS office located in Bond Hall Room 114, or online at [www.usm.edu/sas](http://www.usm.edu/sas).

### **COVID-19 Protocol, Fall 2022**

As we move into the 2022-2023 academic year, we are finding new ways to work and live with the evolving COVID-19 pandemic. We are looking forward to a year marked by more in-person gatherings and events as we learn to navigate the health challenges around us.

At this time, Southern Miss is operating under normal procedures on all campuses, teaching, and research sites. Face masks are no longer required in public spaces unless you have COVID-19 symptoms, a positive COVID-19 test, or close contact exposure to someone with COVID-19. You may choose to wear a mask at any time, based on your personal health circumstances, and healthcare settings may require face masks during times of high community transmission. The CDC recommendation for mask use is fluid, depending on the level of community transmission and a person's risk for serious illness. Please refer to our [COVID health protocols site](#) for the most up-to-date information.

All eligible students, faculty, and staff are strongly urged to get a [COVID-19 vaccination](#) and all applicable [boosters](#), which are now widely available:

- [Schedule an Appointment – Hattiesburg Campus](#)
- [Schedule an Appointment – Gulf Park Campus](#)
- [Schedule an Appointment in Your Current Area](#)

For everyone in the Southern Miss community, staying physically and mentally healthy is important. [Moffitt Health Center](#) provides health care services through online resources and appointments with care providers. Students who become ill with fever or other symptoms should contact Moffitt for information or to see a care provider. If a student is required to isolate during the semester due to a diagnosed illness, we ask that faculty give that student consideration for make-up work.

In addition to physical health care, students may also access a variety of [resources](#) to support mental well-being, from online resources to in-person counseling for students through [Student Counseling Services](#). If you have concerns about your well-being, please contact one of these resources for support.

### **Land and Labor Acknowledgement**

It is important that I acknowledge and honor the land and labor of those who came before us, which allows us to learn as a Southern Miss community. I respectfully acknowledge the Mississippi Band of the Choctaw Nation who once occupied the land, now considered Mississippi. I aspire to honor and respect the Indigenous peoples whom European colonizers forcibly removed from this territory, yet the Choctaw Nation remain connected to this land and continue to thrive nearby. I also own my part in the Choctaw Nation's continued displacement by incorporating Indigenous knowledge in my work and working to establish meaningful connections with Indigenous peoples and communities.

Also, I want to respectfully acknowledge the enslaved peoples, primarily of African descent, who provided exploited labor to build and maintain many higher education institutions. I am indebted to their labor and to the labor of many who continue to work in the shadows for our collective benefit. I implore us as higher education scholars and practitioners to continue to remember and honor those whose land we occupy and whose labor we benefit from throughout the semester.

### **Speaking and Writing Centers**

The **Writing Center** and the **Speaking Center** are friendly spaces that provide individualized feedback and support to help Southern Miss students succeed with writing and speaking assignments for any class. The Centers offer one-to-one consultations for any stage of the process, including brainstorming, creating an outline, revising, learning editing strategies, and developing presentation skills. In-person and online appointments are available. To make an appointment, visit [usm.mywconline.com](https://usm.mywconline.com) and create an account. Instructions for making an appointment can be found at [usm.edu/writing-center](https://usm.edu/writing-center). Contact the Writing Center (Cook Library 112) by email at [writingcenter@usm.edu](mailto:writingcenter@usm.edu) or by phone at (601) 266-4821. The Speaking Center (Cook Library 117) can be reached at [speakingcenter@usm.edu](mailto:speakingcenter@usm.edu) or (601) 266-4965.

### **University Libraries**

Southern Miss Libraries provide students with individualized assistance using library resources for coursework and scholarly research. Questions may be asked in person or by live chat, telephone, or email. Students may request a research consultation with a librarian to get help at any stage of the research process. Research consultations, available in-person and online, provide personalized assistance that is tailored to a class assignment or project. Librarians can help students search for, find, and obtain sources for their research projects.

The University Libraries' website ([www.lib.usm.edu](http://www.lib.usm.edu)) provides information about conducting academic research, as well as links to the Libraries' search tool (Seymour Info), databases, and other resources. Library research guides are available through Canvas, as well as the library website. University Libraries also have a robust interlibrary loan (ILL) service which provides access to resources not available in our current collections or subscriptions. The Libraries at Southern Miss provide access to both print and electronic resources, including books, journal articles, newspapers, digital media, and more. University Libraries also include Special Collections which offer a variety of historical resources, such as rare books and historical artifacts, in addition to University Archives which offer documents and memorabilia from our University's rich history. Visit your campus library or the University Libraries' website to get started!

### **Career Services**

Career Services staff strive to assist students in finding meaningful career paths, developing job-seeking skills and connecting with employment opportunities. Students will find assistance through personal meetings, on-line resources and attending events such as the Career and Internship Expos. Students are encouraged to attend the Career and Internship Expo each semester to explore potential career paths, identify internships, discover job opportunities, and build professional connections with employer contacts. 80 to 100 employers and graduate school representatives attend each semester. Dates and additional information on our website at [www.usm.edu/cs](http://www.usm.edu/cs) or check out the events section in your Handshake account.

### **Copyright statement**

My lectures and course materials, including PowerPoint presentations, tests, outlines, syllabus, handouts, recordings of my lectures, and similar materials, are protected by copyright. That means that I am the exclusive owner of those materials I create, and no one but me can edit them, give them to others, post them anywhere online, or copy them to distribute in any way. You may take notes and make copies of course materials for your own personal use, and you and other students in the class may share notes and materials when studying. Any other sharing of lecture notes or any course materials cannot be done unless you have my permission in writing, whether you are paid for the materials or not. Similarly, I will not share anything you submit to me unless I have your written permission. If you upload your notes or any materials from this class to any website or give them to anyone, this act is a violation of copyright and is considered academic misconduct. If you do that, you will be subject to the penalties outlined in the University's Academic Integrity Policy. If you have any questions at all about copyright or academic integrity, please let me know.

### **Food Insecurity and Student Homelessness Statement**

The University of Southern Mississippi recognizes that students and staff members may experience challenges beyond their control that impact their ability to take care of their essential needs, such as having food or a safe place to sleep. If you find yourself in need of food

or shelter, please consider contacting the Eagle's Nest Food Pantry on the Hattiesburg campus at 601-266-4025 or [eaglesnest@usm.edu](mailto:eaglesnest@usm.edu). All students, faculty, and staff are welcome to come to the Eagle's Nest Food Pantry and utilize the available resources free of charge.

### **Mental Well-Being Statement**

USM recognizes that students sometimes experience challenges that make learning difficult. If you find that life stressors such as anxiety, depression, relationship problems, difficulty concentrating, alcohol/drug problems, or other stressful experiences are interfering with your academic or personal success, consider contacting Student Counseling Services on campus at 601-266-4829. More information is also available at <https://www.usm.edu/student-counseling-services>, or [usm.edu/help](https://usm.edu/help). *SCS offers currently enrolled students free, confidential counseling services and can provide referrals to campus and community resources. In the event of emergency, please call 911 or if there is a mental health crisis after business hours, contact the counselor-on-call at 601-606-HELP (4357), or call the National Suicide Hotline at 988.*

### **Nondiscrimination Statement:**

The University of Southern Mississippi offers to all persons equal access to educational, programmatic and employment opportunities without regard to age, sex, sexual orientation, disability, pregnancy, gender identity, genetic information, religion, race, color, national origin, and/or veteran status pursuant to applicable state and federal law.

### **Confidentiality and Mandatory Reporting**

As an instructor, one of my responsibilities is to help create and maintain a safe learning environment on our campus. I also have a mandatory reporting responsibility related to my role as a faculty member. I am required to share information regarding sexual misconduct or information about a crime that may have occurred on USM's campus with certain University officials responsible for the investigation and remediation of sexual misconduct. The information will remain private and will only be shared with those officials necessary to resolve the matter. The sharing of information to the Title IX Office does not initiate a Title IX investigation or the criminal investigation process. Reporting to the Title IX Office initiates office outreach to those impacted by the alleged behavior to discuss available resolution options and supportive measures. You do not have to file a formal complaint with the Title IX Office in order to access on and off campus supportive measures. If you would like to speak in confidence, resources available to students include Confidential Advisors with the Shafer Center for Crisis Intervention, the Counseling Center, Student Health Services, and Clergy. More information on these resources and University Policies is available at [www.usm.edu/title-ix](https://www.usm.edu/title-ix).

