

# ZOO4926 | Marine Ecology

Spring 2025 | Dr. Melissa Meadows



## Course Goals

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### Course Description

Marine Ecology is the study of marine organisms and how they interact with their environment. This semester you will be learning about a variety of marine environments from the intertidal zone to the deep sea, with emphasis on our local marine environment in and near Florida. Throughout the semester, we will discuss how global change is influencing these systems as well as restoration and conservation to halt and even undo some of the damage.

### Learning Objectives

Upon completion of this course, you will be able to:

1. Understand the conceptual foundations of ecology and how they apply to the marine environment.
2. Describe all the major marine ecosystems and how marine organisms are adapted for each.
3. Discuss how humans impact marine ecosystems and how we can mitigate global change.
4. Apply knowledge to analyze scientific papers, imagine future career and research possibilities, and generally to solve and educate others about the challenges faced by our world today.

## Class Times

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Mondays, Wednesdays, and  
Fridays 4:05 - 4:55 PM

We will have lectures most Mondays and Wednesdays. Journal Club discussions and other activities will occur on most Fridays, though there are some exceptions (see the schedule for details).

Bartram Hall Room 211

[Discussion Attendance is REQUIRED, with one participation grade dropped.](#)

# Instructor Information and Contact

## Instructor Bio

Dr. Melissa Meadows teaches Marine Biology, Invertebrate Biodiversity, Marine Ecology, and several other biology courses at UF. Her research has taken her around the world working on rainforest birds, hummingbirds, fish in the Red Sea, and more! Dr. Meadows loves being in the field with students; here she is with a diamondback terrapin! :) Want to know more? Check out my intro video:

<https://tinyurl.com/y6q3jzuu>



## Instructor Contact

Dr. Melissa Meadows  
Department of Biology

- Email: [melissa.meadows@ufl.edu](mailto:melissa.meadows@ufl.edu) (I prefer you to send messages through Canvas.)
- Zoom Office: <https://ufl.zoom.us/j/3066712046>
- In-person Office: Carr 522B
- Student Office Hours: Monday 1 pm – 2 pm, Wednesday 8:30 am – 10:30 am, by appointment
- Reserve your spot: <https://calendar.app.google/1vEwAyh2kmo3nkz3A>

## Course Questions Forum

For questions that may pertain to the entire class (about an assignment, about course policies), please use the Course Questions Forum on Canvas. Also, don't forget to see if your question has already been answered. Please help classmates, too, if you know the answer!

## Canvas Inbox/Email

I will respond to questions that are individual in nature (grades, absences, etc.) within 24 hours during the week. After 5 pm on Friday I will not respond until Monday. Be professional in tone and expectations. Please do not expect an immediate response. Please do your best to avoid asking me questions whose answers you can find in the syllabus, announcements, or in the Course Questions Forum.

## Student Office Hours

I am available for one-on-one help on more detailed questions about course content, grades, etc., or if you just want to pop on to say hi!

- Office hours are [BY APPOINTMENT](#), available Mondays 1 pm – 2 pm and Wednesdays 8:30 am – 10:30 am. Other times are also possible if these times do not fit in your schedule - message me if needed.
- Please allow at least 24 hours in between making your appointment and the appointment time so that I have time to check notifications and know to be there. If not, I cannot guarantee that I will see your appointment reservation in time.
- Meetings will be at my [Zoom link](#) or in person in Carr 522. I'm also usually available briefly after class.

# Communication and Getting Help

## Communication about course information

Important course information from Dr. Meadows will typically be announced in class and/or sent via the Course Announcements feature in Canvas. You may also receive important notifications (pertinent to just you or your group) via Canvas Messages/email.

[Please set your notification preferences in Canvas](#) (under Account) so that you receive timely notifications of course announcements and messages, and plan to check your UFL-email regularly. Not having read the information in the syllabus, on Canvas, in course announcements, or in your email will NOT constitute an excuse for missing deadlines, assignments, or other assessments.

## Who do I contact if I have questions about \_\_\_\_\_?

Before contacting Dr. Meadows, please double-check the information in this syllabus, the weekly schedule pages in Canvas, the course announcements, assignment instructions, and the course questions forum to be sure that your question hasn't already been answered elsewhere. If it hasn't, refer to the table below.

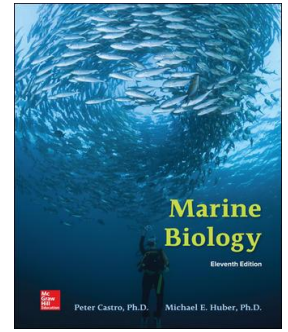
Something that might be applicable to other students in the course such as questions about course material, clarifications about the requirements for an assignment, or general questions about how the course works.	Post it to the Course Questions Forum in Canvas.
DRC accommodations, illness or family emergencies, other concerns about the course, etc.	Message Dr. Meadows in Canvas and/or come to office hours.
Technical problems with Canvas, Zoom, or personal computer	<a href="#">Contact the UF Help Desk</a> . If necessary, forward their response (with ticket #) to Dr. Meadows
Technical problems with McGraw-Hill Connect*	McGraw-Hill Customer Support: <a href="https://mhedu.force.com/CXG/s/ContactUs">https://mhedu.force.com/CXG/s/ContactUs</a>
Tips for doing well in the course (including on exams)	Please see <a href="#">Tips for Success!</a>
Needing help with writing, mental health, college life, etc.	Please see <a href="#">What if I need help with something not specific to this course?</a>

\*PLEASE NOTE - **Connect grade syncing with Canvas happens intermittently** once or twice a day, not continuously. If you've finished an assignment and don't see your grade in Canvas, that's normal. It's also normal (though I agree, disconcerting) if you see a zero in Canvas for a partially or recently completed or assignment. This happens if a sync occurs when you are working on the assignment. No worries - if you see your correct grade in McGraw-Hill, it will sync over to Canvas within the next day or so. No need to contact me or tech support unless it's been a few days.

# Required Materials

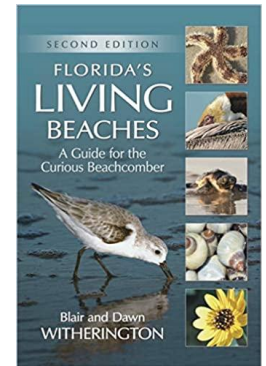
## eTextbook through McGraw-Hill Connect (Required)

- Marine Biology (12th Ed.), Castro & Huber, 2024, McGraw-Hill. You do not need a physical copy of this book unless you prefer it for reading rather than the eBook.
- You can purchase access through UF All Access for a reduced price: <https://www.bsd.ufl.edu/AllAccess>. Detailed instructions for setting up UF All Access can be found at <https://www.bsd.ufl.edu/AllAccess/Faculty/StudentDownloadPDF>.
- This will include access to required assignments through McGraw-Hill Connect as well as the eBook.
- **Important:** To connect to McGraw-Hill Connect correctly so that you can complete your first reading and assignments (and your grades will sync with Canvas!!), please be sure to click into your first Connect assignment directly from within our course Canvas site via Assignments. Detailed instructions for how to do this can be found at <https://www.bsd.ufl.edu/AllAccess/Home/McGrawHillConnectPDF>.



## Field Guide (Required)

- Florida's Living Beaches (2nd Ed.), B. and D. Witherington, 2017. Pineapple Press.
- This book is available in paperback (ideal for the field) and as an eBook through [Amazon at this link](#) or I believe the bookstore will have some copies. You can also find used copies on multiple websites!
- We will use this book throughout the course to get to know Florida's most accessible environments - its shores and the things that wash up or live along them. There will be optional self-guided field excursions where you can use this guide in the field along with the free iNaturalist app to help you identify organisms.
- There are many other field guides available for snorkelers or scuba divers who will gain access to other environments. If this is you, I also highly recommend the Caribbean [Reef Fish, Creatures](#) (by which they mean mostly invertebrates), and [Corals](#) books by Humann/Deloach, but these are NOT required for this course.



## Technology

- All students are responsible for maintaining a functioning computer and internet connection.
- Microsoft Office programs are required for many of the assignments; these can be accessed by current UF students through GatorCloud: <http://www.it.ufl.edu/gatorcloud/>.
- See the UF Student Computing Requirement policy: <https://it.ufl.edu/policies/student-computing-requirements/>

**There is no additional materials/supplies fee for this course this semester.**

# Assessments and Grading

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## Exams

We will have 3 non-cumulative exams throughout the semester on topics discussed during lecture. See [Schedule](#) for dates.

## McGraw-Hill Connect Assignments

SmartBook and Homework Assignments for each chapter will be completed through McGraw-Hill Connect. SmartBook assignments are intended to be completed after reading a chapter and before attending the lectures about each chapter. It's adaptive, will help you identify what to study more, and is scientifically shown to help students get higher course grades! You will get full credit upon completion of these assignments by the due date. Homework assignments are interactive questions to help you test your understanding. You will have one chance to complete the homework questions and they are graded based on correctness.

See [eTextbook through McGraw-Hill Connect \(Required\)](#) for instructions to get access. Your first Connect assignment is an introductory assignment which will explain how Connect works. These will generally be due at the beginning and end of each chapter (see [Schedule](#) for approximate dates for each chapter and keep up with the Syllabus "Course Summary", Assignments, and Announcements tabs in Canvas).

If you have any issues with McGraw-Hill Connect, please go to <https://mhedu.force.com/CXG/s/ContactUs> for support.

## Journal Club

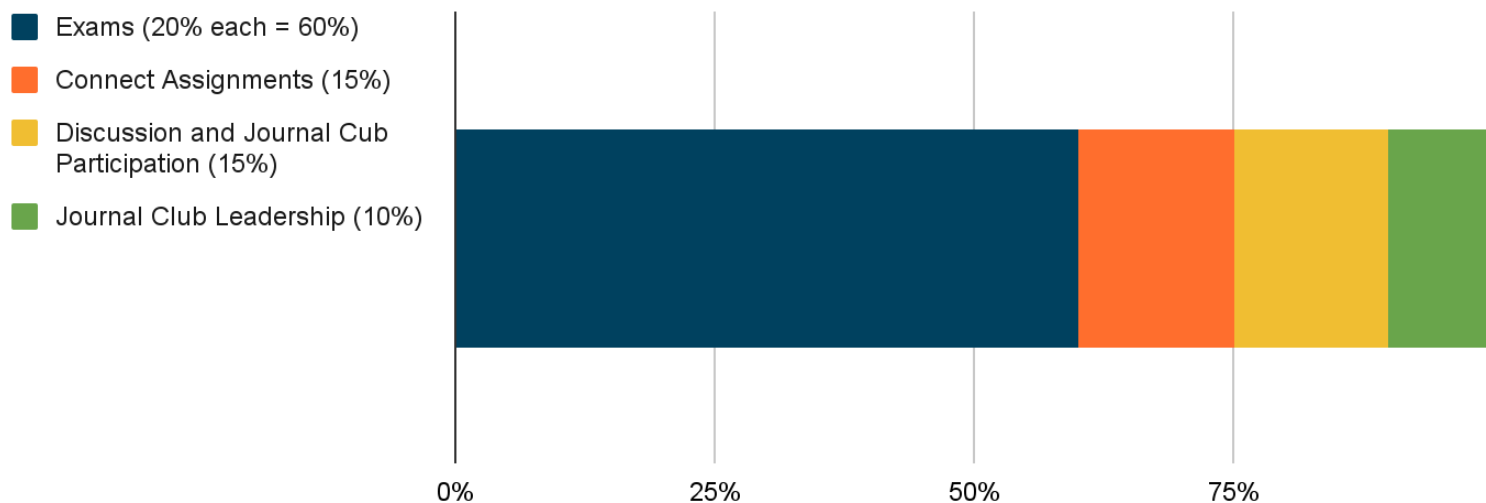
Some of our class [meetings](#) will be to discuss journal articles.

What is a journal club? In scientific research labs, there is usually a Journal Club in which members of the lab meet to discuss recent and relevant scientific research papers of interest to the research of the group. Principal Investigators (the professor), postdocs, grad students, and undergrads will take turns selecting a paper to discuss, distributing it, and leading a discussion about it during a group meeting. Members of the group will contribute their thoughts, points of confusion, critiques, interpretations, ideas for new research stemming from the paper being discussed, and responses to everyone else. It's a lot of fun and you learn a lot! We're going to do the same thing in this class using the current textbook chapter to guide weekly topics for paper discussions.

Each week, a group of 4-5 students will work together to select a paper with the schedule being determined by the chapter they select, develop a short presentation to introduce the paper and the researchers behind it, and lead a discussion with the class.

Everyone else will be tasked with reading the paper ahead of time and making notes on what they'd like to discuss for credit during our meeting. More detailed information about this assignment will be available on Canvas.

## Final Grade Weighting by Assignment Category



### “Life Happens” Policy

Everyone has an off week sometimes! Because of this, I'll be **dropping your lowest 1 Discussion/Journal Club Participation grade (not leadership!) and your lowest 1 Connect grade**. This is intended to help if you have an absence for any reason, including just needing a mental health day, not feeling well, etc., or if you are there for a discussion but are just having an off day and don't participate to your normal extent. If you miss a Connect assignment, don't worry about asking for an extension UNLESS you already have a zero which will automatically be dropped from your grade. If you miss additional dates in excess of those allowed by this policy AND your absence is excusable based on UF policy, please see the Attendance and Make-ups section below for guidelines.

### Attendance and Make-ups

This is a small class, and if you aren't coming to class or completing assignments on time, I'll worry! If you have a planned conflict, discuss it with me in advance. If there is an unforeseen circumstance, please let me know as soon as possible. I know that special circumstances may come up, and we will stay in communication to ensure your success. Please see the [UF policy for excused absences](#).

For some assignments, extensions MAY be granted if and only if you have already received other zeros that will be dropped based on the "Life Happens" policy (See the Assessments and Grading section above). You must have a documented excused absence lasting at least the three days before and including the due date. For example, if the assignment is due Sunday, your documentation of absence must include Friday, Saturday, and Sunday to be granted an extension. [Submit documentation](#) to the Dean of Students Office and request a letter be sent to the instructor, then message me in Canvas after your letter has been sent to let me know what assignments you are requesting extensions on, and we will discuss any modified due dates.

**No make-up exams** without prior permission or documentation of illness. Students missing an exam due to a university-approved excused absence should let the instructor know in advance. In case of illness or emergency on exam day, students must [submit documentation](#) to the Dean of Students Office and request a letter be sent to the instructor.

## Final Grade Scale

Point Range %	Grade
≥ 93.00	A
≥ 90.00	A-
≥ 87.00	B+
≥ 83.00	B
≥ 80.00	B-
≥ 77.00	C+
≥ 73.00	C
≥ 70.00	C-
≥ 67.00	D+
≥ 63.00	D
≥ 60.00	D-
< 60.00	E

## Other Grading Notes

- Final grades will NOT be curved or rounded. Emails at the end of the semester requesting grade bumps will not be answered.
- Extra credit assignments MAY be offered. If offered, it will be open to all students and will be clearly communicated in the Course Announcements on Canvas. **NO INDIVIDUAL EXTRA CREDIT WILL BE AVAILABLE.** It is not fair to other students to ask for special treatment at the end of the semester.
- Even if you're right on the borderline of the next highest grade, please do not request individual special treatment (extended deadlines without a documented excused absence, grade adjustments, individual extra credit) at the end of the semester; I do not adjust grades or provide special treatment for individuals for any reason. I know it can be very frustrating to be only a few points away from the next highest grade, so please put in the work you need to make sure you earn the grade you want, **starting at the beginning of the semester!**

# Course Policies and Expectations

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## Participation as a community of learners

PARTICIPATE. Ask questions. Connect with one another. Meet your instructor during office hours. We are a community of learners!

## Academic Honesty

Any acts of cheating, plagiarism, or other forms of academic dishonesty will result in, at minimum, a 0 grade for the assignment or test AND a reduction in the course grade by 1 letter. Sharing information about tests or homework answers with students in future or past classes, or posting on social media information about same, is a serious act of academic dishonesty. Sharing answers for homework, exams, etc. with others (ex. Groupme, Course Hero) or receiving same is cheating. Turing in assignments that match classmates' is plagiarism. Unauthorized or undisclosed use of generative AI is plagiarism. If you witness any instances of academic dishonesty in this class, notify the instructor.

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Student Honor Code. On all work submitted for credit by Students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. For additional information on academic honesty, please refer to the UF student honor code at: <https://policy.ufl.edu/regulation/4-040/>

## Diversity

We need diversity of opinion, social class, culture, religion, sexual orientation, gender, race, ethnicity, and ability in science. Enjoy the diverse scientists you learn about. Ask why diversity is lacking. Maintain an environment of respect and inclusion at all times. Listen and learn from all.

## Interactions with classmates and instructor

Behave with courtesy towards your fellow students and the instructor. This is particularly important in discussion boards, peer reviews, and in discussions where you are commenting on the work of other students. Students who are rude or disrespectful will be blocked from future participation (with corresponding loss of points).

## Accommodations for Students with Disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center in Reid Hall (352-392-8565) by providing appropriate documentation. Please see the website for more information at: <https://disability.ufl.edu/>. Once registered, students will receive an accommodation letter that must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester. Accommodations are only available to students with this



documentation from the DRC, and accommodations are not retroactive (i.e. accommodations cannot be made for assignments submitted prior to Dr. Meadows receiving the letter).

## Expected Workload

The UF College of Liberal Arts and Sciences assumes that each student will devote on average 3-4 hours per week per credit-hour to each course during the regular semester. Because Marine Ecology is 3 credits, each student should therefore expect to devote an average of **9-12 hours per week** (in addition to the 150 minutes in class) to this course in a 15-week semester. This time will not necessarily be evenly distributed; some weeks will have heavier workloads than others.

## UF Evaluation Process

If you have suggestions on how to make the course better, easier to navigate, etc., please feel free to e-mail these to Dr. Meadows at any point!

Students are also expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available from [the Gatorevals website](#). You will be notified when the evaluation period opens, and can complete evaluations through the email you receive from GatorEvals, in the Canvas course menu under GatorEvals, or via [the evaluation system](#). Summaries of course evaluation results are available at the [public results website](#).

## Getting Help

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### Questions and Concerns

If you have a question, please don't wait to get it addressed until too late (assignment due date is looming, you failed an exam, etc.)!

If you have a technical question or a course question that others might have as well, see [Who do I contact if I have questions about \\_\\_\\_\\_\\_?](#)

If you have a grade concern or other individual question for me (that pertains only to you) or need some extra help, please message/email me or come to office hours ASAP. Again, don't wait until a failed exam!

### Illness or Emergency

Please submit your documentation to the Dean of Students' Office's Care Team via this link: <https://care.dso.ufl.edu/instructor-notifications/>. Once you have done that, please e-mail Dr. Meadows regarding your absence so she can work with you to arrange a schedule for you to make up any missed work. This needs to be done as soon as possible (i.e. within a week of the deadline, except in extreme circumstances like prolonged hospitalization).

If you have a pre-scheduled medical absence (i.e. planned surgery) that will cause you to miss a deadline, you will need to work ahead to complete your work prior to the beginning of the absence. Please e-mail Dr. Meadows with any questions.

## Technology Issues

- For issues with your personal computer, with Canvas, or with PlayPosit, please contact the [UF Help Desk](#) ((352) 392-HELP).
- For other technical issues see [Who do I contact if I have questions about \\_\\_\\_\\_\\_ ?](#)

Students are responsible for maintaining their own computer and internet access. Computer/internet problems that happen on the night of the deadline will NOT be grounds for due date extensions, so please do not leave your work until the last minute.

## Struggling with the Course

- See my [Tips for Success!](#)
- Please let Dr. Meadows know sooner rather than later! I want everyone to do well in this class, and I'm more than willing to work with you to help you improve your performance, but the earlier I'm aware of any issues, the better!
- If you are struggling with time management and/or study skills, [Gatorwell](#) and the [UF Teaching Center](#) have lots of resources that can help!
- Visit [learningscientists.org](#) to learn the 6 strategies for effective learning. Guess what the first one is? NO CRAMMING! **I CANNOT RECOMMEND WATCHING THESE VIDEOS ENOUGH!**

## Health and Wellness

- [U Matter, We Care](#) ASKING FOR HELP IS A SIGN OF STRENGTH. If you or a friend is in distress, contact If you or someone you know is in distress, please contact counseling 24/7 352-392-1575, or visit [umatter.ufl.edu](#) to refer or report a concern and a team member will reach out to the student in distress. The Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. In case of emergency, call 911
- [Dean of Students Office](#) (352-392-1261) provides a variety of services to students and families, including [Field and Fork](#) (UF's food pantry) and [New Student and Family programs](#)
- [Counseling and Wellness Center](#) (352-392-1575) provides counseling and support as well as crisis and wellness services including a [variety of workshops](#) throughout the semester (e.g., Yappy Hour, Relaxation and Resilience).
- [Office of Student Veteran Services](#) (352-294-2948 | [vacounselor@ufl.edu](mailto:vacounselor@ufl.edu)) assists student military veterans with access to benefits.
- [UF Police Department](#) (352-392-1111 or 9-1-1 for emergencies)
- [Student Health Care Center](#) (352-392-1161) provides 24/7 information to help you find the care you need.
- [UF Health Shands Emergency Room/Trauma Center](#) (352-733-0111) for immediate health care, call or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608
- [GatorWell Health Promotion Services](#) (352-273-4450) includes prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success.

## Academic and Student Support

- [Career Connections Center](#) (352-392-1601 | [CareerCenterMarketing@ufsa.ufl.edu](mailto:CareerCenterMarketing@ufsa.ufl.edu)) connects job seekers with employers and offers guidance to enrich your collegiate experience and prepare you for life after graduation. Visit in the Reitz Union Suite 1300.

- [UF Libraries Support](#) (866-281-6309 | ask@ufl.libanswers.com) offers various types of assistance with respect to using the libraries or finding resources.
- [CLAS Academic Resources](#) (352-392-2010) offers general study skills and free tutoring.
- [UF Writing Studio](#) (352-846-1138) can help with brainstorming, formatting, and writing papers.
- [Dean of Students Office](#) (352-392-1261) provides a variety of services to students.

## Tips for Success!

1. **Attend and Participate** - studies show that the more you discuss, draw, analyze, and actively participate in class, the more you learn!
2. **Read** - Read assigned reading before lecture for each class period. Then use lectures to hone understanding and apply your knowledge.
3. **Take Notes** - Do not be a passive listener! Take active notes while watching lectures, especially on questions asked during the lecture.
4. **Ask Questions** - Ask immediately. Don't be afraid to ask clarification questions, especially in the discussion forums! Chances are, others need clarification, too. And always feel free to meet with me to go over anything you need help with.
5. **Use Your Resources** - Use this syllabus to answer questions about the course and locate help when you need it. Use Canvas. Use your textbook. Use your classmates and instructor.
6. **Plan Ahead** - Plan 9-12 hrs/wk on this course including reading, assignments, and studying. Don't start studying or projects at the last minute.
7. **Study Effectively** - Visit [learningscientists.org](http://learningscientists.org) to learn the 6 strategies for effective learning. Guess what the first one is? NO CRAMMING!
8. **I Care!** I am deeply invested in YOU and your happiness and success. Email me, come to office hours, etc. to go over course material, talk about life, or just say hi. 😊

## Schedule

Date	Format	Topic	Reading
1/13 - Mon	Lecture	Welcome	
1/15 - Wed	Lecture	Introduction to Marine Ecology 1	<i>Marine Biology</i> Ch 10
1/17 - Fri	Lecture	Introduction to Marine Ecology 2	<i>Marine Biology</i> Ch 10
1/20 - Mon - NO CLASS MLK Jr. DAY			
1/22 - Wed	Lecture	Introduction to Marine Ecology 3	<i>Marine Biology</i> Ch 10
1/24 - Fri	<b>Discussion</b>	Special Report - Our Changing Planet	<i>Marine Biology</i> - Special Report - Our Changing Planet

Date	Format	Topic	Reading
1/27 - Mon	Lecture	Beach and Dune Ecology 1	<i>Florida's Living Beaches</i> pages 2-46; 254-288
1/29 - Wed	Lecture	Beach and Dune Ecology 2	<i>Florida's Living Beaches</i> pages 2-46; 254-288
1/31 - Fri	Lecture	Between the Tides 1	<i>Marine Biology</i> Ch 11
2/3 - Mon	Lecture	Between the Tides 2	<i>Marine Biology</i> Ch 11
2/5 - Wed	<b>Discussion</b>	Florida Intertidal Communities	<i>Florida's Living Beaches</i>
2/7 - Fri	Lecture	Estuaries 1	<i>Marine Biology</i> Ch 12
2/10 - Mon	Lecture	Estuaries 2	<i>Marine Biology</i> Ch 12
2/12 - Wed	Lecture	Estuaries 3	<i>Marine Biology</i> Ch 12
<b>EXAM 1</b> Ch 10-12 + Beach and Dune Ecology Friday 2/14			
2/17 - Mon	Lecture	Life on the Continental Shelf 1	<i>Marine Biology</i> Ch 13
2/19 - Wed	Lecture	Life on the Continental Shelf 2	<i>Marine Biology</i> Ch 13
2/21 - Fri	<b>Discussion</b>	Journal Club 1 - Intertidal/ Estuaries	Paper selected by Group 1
2/24 - Mon	Lecture	Life on the Continental Shelf 3	<i>Marine Biology</i> Ch 13
2/26 - Wed	Lecture	Coral Reefs 1	<i>Marine Biology</i> Ch 14
2/28 - Fri	<b>Discussion</b>	Journal Club 2 - Continental Shelf	Paper selected by Group 2
3/3 - Mon	Lecture	Coral Reefs 2	<i>Marine Biology</i> Ch 14

Date	Format	Topic	Reading
3/5 - Wed	Lecture	Coral Reefs 3	<i>Marine Biology</i> Ch 14
3/7 - Fri	<b>Discussion</b>	Journal Club 3 - Coral Reefs	Paper selected by Group 3
3/10 - Mon	Lecture	Life Near the Surface 1	<i>Marine Biology</i> Ch 15
3/12 - Wed	Lecture	Life Near the Surface 2	<i>Marine Biology</i> Ch 15
3/14 - Fri	<b>Discussion</b>	Journal Club 4 - Surface Life	Paper selected by Group 4
NO CLASS 3/15 - 3/23 - SPRING BREAK			
3/24 - Mon	Lecture	Life Near the Surface 3	<i>Marine Biology</i> Ch 15
<b>EXAM 2</b> Ch 13-15 Wednesday 3/26			
3/28 - Fri	Lecture	The Ocean Depths 1	<i>Marine Biology</i> Ch 16
3/31 - Mon	Lecture	The Ocean Depths 2	<i>Marine Biology</i> Ch 16
4/2 - Wed	Lecture	The Ocean Depths 3	<i>Marine Biology</i> Ch 16
4/4 - Fri	<b>Discussion</b>	Journal Club 5 - Deep Sea	Paper selected by Group 5
4/7 - Mon	Lecture	Resources from the Sea 1	<i>Marine Biology</i> Ch 17
4/9 - Wed	Lecture	Resources from the Sea 2	<i>Marine Biology</i> Ch 17
4/11 - Fri	<b>Discussion</b>	Journal Club 6 - Ocean Resources	Paper selected by Group 6
4/14 - Mon	Lecture	Impact of Humans on the Marine Environment 1	<i>Marine Biology</i> Ch 18
4/16 - Wed	Lecture	Impact of Humans on the Marine Environment 2	<i>Marine Biology</i> Ch 18

Date	Format	Topic	Reading
4/18 - Fri	<b>Discussion</b>	Journal Club 7 - Human Impacts	Paper selected by Group 7
4/21 - Mon	Lecture	Impact of Humans on the Marine Environment 3	<i>Marine Biology</i> Ch 18
<b>EXAM 3</b> Ch 16-18 Wednesday 4/23			