FALL 2019

MARINE BIOLOGY
ZOO 4403C  W 12:50 - 2:45 CRR 222
CLASS #22383  F 12:50 - 4:55 CRR 120

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CRR 510
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TA: Alex Gulick
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WHAT WILL I LEARN?  1
WHAT DO I NEED?  1
HOW WILL I EARN MY GRADE?  2
HELP!!!!!!!!!  3
TIPS AND TRICKS  4
SCHEDULE  5-6

DROP-IN Office Hours
T 11:30 - 12:30
W 3-4
Th 1-2
Or by appointment
WHAT WILL I LEARN?

Only all the most AWESOME things about the ocean! In this course, you’ll learn about all sorts of marine organisms as well as important aspects of physical oceanography that dictate much about the lives of the ocean’s denizens. We will talk a bit about ocean ecology as well.

Most importantly, you’ll be equipped to face some of the greatest challenges to our Earth by educating and working towards a better, more informed future.

Plus we’ll read a really funny (and informative!) book!

(See E-learning for a full list of learning objectives.)

What will I need?


**Fun Book:** Sex in the Sea: Our Intimate Connection with Sex-changing Fish, Romantic Lobsters, Kinky Squid, and Other Salty Erotica of the Deep, by Marah J. Hardt, 2016, St. Martin’s Press.

**E-learning:** Please set your preferences in E-Learning so that you receive timely notifications of course announcements and other information.

**Connect:** LearnSmart, SmartBook
How will my learning be assessed?

Course grades will be weighted as follows:

**Exams** We will have 3 non-cumulative exams throughout the semester on topics discussed during lecture. Each exam is worth 20% of your grade.

**Assignments & Participation** Pre-class and in-class assignments, participation in discussions and field. Missed in-class assignments may not be made up.

**Sex & the Sea Book and Journal Club** Participate in discussions on each chapter of this book. In groups, pick your favorite chapter, choose a research paper that relates to the chapter and lead a class discussion on it.

**Research Proposal** Propose a novel research project on a topic of your choice! Give a presentation as if you are asking for funding for your research.

**Field Activities and Reports** Participate in field activities, keep a field notebook, and submit field reports with observations, data, and ideas.

### ATTENDANCE

This is a small class, and if you aren’t here, I’ll worry! Attendance is required. Missed in-class and field trip assignments cannot be made up. If you have a planned conflict for a UF activity, discuss it with me as far in advance as possible. If there is an unforeseen circumstance, please let me know as soon as possible. Please see the UF policy for excused absences here: https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/

**No make-up exams** without prior permission or documentation of illness. Students missing an exam due to a university-approved excused absence (sports, etc.) should let the instructor know in advance. In case of illness or personal emergency on exam day, students must submit documentation to the Dean of Students office (P202 Peabody Hall, dsocares@dso.ufl.edu) and request an instructor notification to be sent. These notes must be received within five business days after the exam.
WHAT OTHER POLICIES SHOULD I FOLLOW?

**What is expected in class?**

PARTICIPATE. Ask questions. Connect. Bring your computer, but don’t use it for non-class activities. Be respectful. Silence your phone. Don’t do anything that distracts your neighbors’ learning or your instructor’s teaching.

**How will we celebrate 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.

**What if I have a disability?**

Contact the Dean of Students Office of Disability Resources, Peabody 202, 352-392-1261. I will work with them to accommodate you. More info: http://www.dso.ufl.edu/drc/ (Links to an external site.).

**What if I need to withdraw?**

The add/drop deadline is Monday Aug 26, and this is also the last date to withdraw from all courses with a full refund. The last day to withdraw from this course with a W on your transcript is Nov 25th.

WHAT IF I NEED HELP?

**Questions and Concerns**

If you don’t understand something or are concerned about a grade, talk to me ASAP. Do not wait until a failed exam. Ask in class, during office hours, or via email.

**Emailing Instructors**

I will respond to you within 24 hrs during the week. After 5 on Fri I will not respond until Mon. Please do not expect an immediate response. Please see “How to Email Your Professor (without being annoying AF”.

Melissa.Meadows@ufl.edu

**Come visit!**

I will always be available for you in my office (CRR 510) T 11:30-12:30, W 3-4, and Th 1-4. If those times don’t fit your schedule, email me to make an appointment.

**U Matter, WeCare!**

ASKING FOR HELP IS A SIGN OF STRENGTH. College can be stressful. If you or a friend is in distress, contact umatter@ufl.edu or call the 24/7 crisis counselor at (352) 392-1575. Also available is UF Counseling and Wellness Center www.counseling.ufl.edu/cwc/ 392-1575.
01 ATTEND AND PARTICIPATE
Studies show that the more you speak, discuss, draw, analyze, and actively participate in class, the more you learn!

02 READ
Read assigned reading before we discuss the topic in class. Then use class time to hone understanding and apply your knowledge.

03 TAKE NOTES
I suggest taking notes directly on your PowerPoint file for each lecture in the comments section for each slide.

04 ASK QUESTIONS
Ask immediately. Don’t be afraid to ask me to repeat or go over something again! Chances are other people need it, too.

05 USE YOUR RESOURCES
Use this syllabus to answer questions about the course and located help when you need it. Use Canvas. Use BOOKS.

06 PLAN AHEAD
Plan 12-16 hrs/wk for this course, including 6 hrs in class and 6-10 hrs completing reading, assignments, and studying. Don’t start studying or projects at the last minute.

07 STUDY EFFECTIVELY
Visit learningscientists.org to learn the 6 strategies for effective learning. Guess what the first one is? NO CRAMMING!

08 I CARE!
I am deeply invested in YOU and your happiness and success. Email me, come to drop-in office hours, etc. to go over course material, talk about life, or just say hi!
Any acts of cheating, plagiarism, or other forms of academic dishonesty will result in, at minimum, a 0 grade for the assignment, test, or quiz. Sharing information about tests and quizzes with students in other sections who have not yet taken the exam or quiz, or posting on social media information about tests and quizzes that other sections have not yet taken, is a serious act of academic dishonesty. If you witness any instances of academic dishonesty in this class, please notify the instructor or contact the Student Honor Court (392-1631) or Cheating Hotline (392-6999). For additional information on Academic Honesty, please refer to the University of Florida Student Honor Code and Student Conduct Code at: https://sccr.dso.ufl.edu/policies/student-honor-code-

## Schedule

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<thead>
<tr>
<th>Week of</th>
<th>Topic</th>
<th>Chapter</th>
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</thead>
<tbody>
<tr>
<td>8/19</td>
<td>Course Introduction, The Science of Marine Biology</td>
<td>1</td>
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<tr>
<td>8/26</td>
<td>The Sea Floor</td>
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<tr>
<td>9/2</td>
<td>Chemical and Physical Features of Seawater and the World Ocean</td>
<td>3</td>
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<tr>
<td>9/9</td>
<td>Chemical and Physical Features of Seawater and the World Ocean (continued)</td>
<td>3</td>
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<td><strong>EXAM 1 (CH 1 - 3) FRIDAY 9/13</strong></td>
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<tr>
<td>9/16</td>
<td>The Microbial World</td>
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<td>9/23</td>
<td>Multicellular Primary Producers</td>
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<tr>
<td>9/30</td>
<td>Marine Animals Without a Backbone</td>
<td>7</td>
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<td><strong>NO CLASS Friday 10/4: Homecoming</strong></td>
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<tr>
<td>10/7</td>
<td>Marine Animals Without a Backbone</td>
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<td><strong>EXAM 2 (CH 5 - 7) FRIDAY 10/11</strong></td>
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<tr>
<td>10/14</td>
<td>Marine Fishes</td>
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<td>10/21</td>
<td>Marine Fishes</td>
<td>8</td>
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<td>Week of</td>
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<td>10/28</td>
<td>Marine Reptiles, Birds, and Mammals</td>
<td>9</td>
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<tr>
<td>11/4</td>
<td>Marine Reptiles, Birds, and Mammals</td>
<td>9</td>
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<tr>
<td>11/11</td>
<td>Introduction to Marine Ecology</td>
<td>10</td>
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**EXAM 3 (CH 8 - 10) FRIDAY 11/15**

| 11/18   | Special Report: Our Changing Planet        | Special Report |

NO CLASS Wednesday 11/27 and Friday 11/29: Thanksgiving

W 12/4  Discuss course, future research, careers, grad school

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**FIELD TRIPS**

On ~5 Saturday field trips, you will learn to collect data and identify organisms at marine field sites. And it will also be SUPER fun! Some notes on field trips:

- Unless there is a short Friday exam scheduled, when we have a field trip on a Saturday, we will NOT have class the Friday before. Pay attention to announcements on e-learning and in class.

- Field trips will involve snorkeling. Students are required to provide their own mask (must cover nose), snorkel, and fins (and booties if needed) and any desired exposure protection. I will teach anyone unfamiliar how to snorkel.

- You must provide appropriate clothing for the weather, sunblock, water, a lunch, snacks, and anything else personal you may need during the day.

**Potential* Saturdays for Field Trips**

Sept 7, Sept 14, Sept 21, Sept 28, Oct 12, Oct 19, Oct 26