

BI150 * OCEAN PLANET * FALL 2020

Professor's COVID-19 Statement – I am committed to doing everything I can to make sure you complete this course successfully. I always try to help students become better scholars and to equip them with new skills to bring to their civic, professional, and personal life. Regardless of the uncertainties, stress, and burdens brought on by current events, that is still our goal. This message is for all of you, but especially to all the new students in this class. Welcome to the University of Oregon! We want you to be successful at UO, and understand that the unusual situation with Covid-19 means some ways of finding out 'how things work' may be harder to sort out than usual. Please know that your Ocean Planet Teaching team welcomes any opportunity to help you succeed here at UO altogether, not just in this class. Please ask us and make use of the resources for new Ducks on the course webpage. The course discussion section of Canvas is also there for you to ask for help and learn information about anything related to academics and/or campus life. To all returning and new students: We are so glad you are here!!

Professor Michelle Wood

TEACHING TEAM CONTACT INFORMATION:

Professor Michelle Wood

miche@uoregon.edu

Office Hours – Zoom, 12-1:00PM Mon, Wed, Sat, and by apt.

Anna Ward, GE

award5@uoregon.edu

Office Hours – Zoom, Thurs. 3:00-4:00PM and by apt.

Jenna Travers, Undergraduate Tutor

jtravers@uoregon.edu

Office hours – Zoom, Fri. 9-10AM & Sun. 3-4, and by apt.

LOGISTICS:

- Course Week Begins on Monday, Assignments are due Sunday Evening
- Canvas is the Communications and Organizing Center
- Each Week's Module will be available Sunday at noon, except Week 10 which will be made available early (on Saturday, Week 9).
- Discussion Sections Meet Weekly on Zoom. For continuity and size, please attend the discussion section you enrolled in.
- Discussion Sections are essential to success in Ocean-at-Home Explorations
- All Zoom Class Meetings and Zoom Office Hours Can Be Entered From the course Canvas site.

CLASS DESCRIPTION:

The ocean is the largest and most diverse ecosystem on earth. However, many of us know very little about the ocean or its extraordinary inhabitants. This class introduces you to Earth's marine habitats, ecosystems, and organisms. It is designed to help you assess your own relationship to this 'engine' that powers overall global function and sustainability. The course meets Core and General Education requirements for Natural Science; it emphasizes development of competencies in critical thinking, ethical thinking, and communication.

Learning Objectives:

By the end of the term you will:

- 1) have a greater appreciation for how big, beautiful, diverse, and important the ocean is.*
- 2) be able to apply personal values and objective information to decisions affecting marine resources.*
- 3) visit the ocean as a knowledgeable and curious guest who can share natural history insights with others.*
- 4) have an improved understanding of how scientists study the ocean and skills in using and interpreting data that you can apply throughout your life.*

REQUIRED TEXTBOOKS

- *Mladenov – Marine Biology: A Very Small Introduction, 2nd Edition, Oxford Press, Duckweb, publisher, online (be sure to get 2nd edition). e-version available as Kindle book from Amazon or other Kindle sources, again, be sure to get 2nd (2020) edition.*
- *Readings from Castro & Huber (print available through Duckstore or the publisher) To get e-version, go to: <https://create.mheducation.com/shop/>. Search for and select book by Title: Ocean Planet or ISBN: 9781307569162*
- *Harbo _ Whelks to Whales, 2nd Edition (Print Only, Be sure to get 2nd Ed, orange cover)*
- *SimULink software – Keystone Predator & Barnacle Zone (See last page of syllabus for details)*

EXPECTATIONS:

*You are expected to take responsibility for your own learning. Because this is an online course, you need to plan ahead for study time, and be sure you understand what is expected each week. However, you should rely on us for help; use email, scheduled office hours, and "by appointment" office hours freely. We are here for you and want you to succeed. **The format of the course means you must overcome hesitation to take up our time. We get paid to help you, so don't worry about that! Just ask!***

You are expected to honor all University policies regarding plagiarism and academic integrity. On various occasions you will be asked to certify that work you turn in is your own work, but on all assignments, you should ALWAYS seek to exemplify the most honorable behavior. Be alert

to how easy it is to plagiarize from the WWW (if you didn't take the picture – credit the source or artist; if you didn't write it - use quotes and citations, etc. If you want to develop writing and critical thinking skills, put key ideas in your own words and acknowledge where the facts come from. Links to the student conduct code are at the end of the syllabus, along with some links regarding plagiarism and how to avoid it.

You are expected to alert the professor or teaching staff if you are falling behind, are feeling confused, or if outside issues are keeping you from making progress. You are expected to be organized. You should spend at least 12 hours a week on this class. Use the information you gain from the survey on preparedness for online learning to help you succeed in the remote format.

You are expected to use good 'Netiquette' – Arrive early to Zoom sessions, mute your sound when entering a Zoom meeting and be respectful in all communication; disable your camera if you are moving around or not dressed for a classroom setting. In discussions, try to listen mindfully to what others are saying and avoid focusing on what you plan to say next. Use a professional tone and polite language. In the remote setting, as with email, it is much harder to interpret 'jokes' or casual speech.

EMAIL - You are expected to use professional language on email and to follow two key rules: 1) Begin every subject line with BI150 so it is easy to sort for emails relating to the class and 2) Use top posting for all threads. (This means the newest entry goes on the top). Also, if you are unsure how to start an email, "Dear Professor Wood" or "Dear Jenna" or "Dear Anna" are really good ways to start. "Hey" is not a good way to start. For those of you new to communicating with faculty, a good policy is to start out using the formal salutation and only switch to first names when they sign off using their first names, or instruct you to use first names. No professor really minds being called "Doctor" or "Professor" at first and, while many prefer a more informal form of address, those individuals will always let you know. For some, like myself, first names are something I prefer to grow into as I know my students better, especially online.

What you can expect from us: We will provide high quality information and assignments designed to ensure you can achieve the learning objectives for the course. We will keep your needs and interests in the forefront of our minds, make every effort to be transparent about expectations and grading standards, and we will treat you as an individual with every ability to do well and learn a lot. We will be available. We will grade fairly. We will be open to your questions and communicate efficiently. We will treat you with respect. We will definitely not be offended if you write to see if we got an email or other communication, which we especially encourage you to do if your email is not acknowledged within 24 hours.

COURSE ORGANIZATION

The course is divided into weekly modules and bi-weekly "Ocean-at-home" applications modules. The applications modules will be discussed every week during the synchronous discussion sections, and in office hours. They give you a chance to explore lecture content in ways that help you understand how knowledge about the ocean is accumulated by scientists and will also help you develop skills in analytical thinking and data interpretation that will benefit you as a citizen, and in nearly any career path.

Each weekly module opens to a summary page that guides you through the week's content in an organized way. It will be a good idea to open this page each week, and scroll through the

entire page to see what is involved. You can reach the front page for each week's module by clicking on the button for the week on the home page. There is also a button on the home page for an Online Course Schedule with live links to the assignments you need to turn in, the weekly home pages, and main videos for each week.

Discussion Boards and Slack pages; we will use discussion boards and Slack pages during the term. You should use these freely to help each other, and a small part of the course grade (6%) will depend on you completing specific assigned requests to post to particular discussion boards and about 1.5% of the grade will be determined by the general impression the teaching team has of your overall participation in these interactive centers over the term. We will alert you if we have concern that you will not earn the full 1.5% as the term goes by, but you should also monitor your own participation and stay engaged.

COURSE ELEMENTS AND WEIGHTING

| | Points |
|---|--------------------|
| Discussion Board Posts (4@15 pts each + 15 overall) | 75 |
| Reflections (5 @ 20 pts each) | 100 |
| Practice Exams (5 @ 25 pts.) | 125 |
| Ocean-At-Home Explorations (400 pts) | |
| Ocean Observing Labs 1-3 Properties and Tsunamis | 80 |
| Simulink - Keystone Predator | 80 |
| Simulink - Barnacle Zone | 80 |
| Ocean Observing Lab 7 – Open Ocean Production | 80 |
| Graduate A Naturalist | 80 |
| Exams (2 Mid-terms & Final)* | 300 |
| TOTAL | 1000 POINTS |

GRADING – Straight Scale - >900 pts = A; >800 pts = B, etc. C- (P) cutoff is 685 pts. Other +/- grades at instructor discretion although this will never lower a grade relative to the straight scale. I follow the rubric for basic grades used by the Department of Human Physiology: <https://physiology.uoregon.edu/undergraduate/grade-culture/>

*EXAM GRADE – Your exam grade will be based on the average of all three exams, or the final exam grade, whichever is higher. If you are happy with the average of your two mid-terms, you do not have to take the final. If you miss a mid-term, we will use the final exam grade for your exam grades (i.e. no makeup) unless there is a very compelling reason to do otherwise.

ACCESSIBILITY AND EQUITY– It is my goal that everyone in the class find ways to learn and grow in this class as their own person on equal footing with everyone else. We all have different challenges and barriers to our success and we all have different talents and skills. If there are ways I can help you overcome your challenges or utilize your talents, so that you do well in this class, please let me know. If you need technical assistance with the remote delivery of classes this term, the University also has a number of resources available to you. Links are provided at the end of this email.

DISABILITIES - The University of Oregon is working to create inclusive learning environments. Please notify me if there are aspects of the instruction or design of this course that result in

disability-related barriers to your participation. You are also encouraged to contact the Accessible Education Center in 360 Oregon Hall at 541-346-1155 or uoaec@uoregon.edu.

COURSE SCHEDULE*

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|-----------|--|
| Week 0 : | “Get Ready” Assignments |
| Week 1: | Introduction Ocean Basins, Geology |
| Week 2: | Ocean Properties, Salinity and Circulation |
| Week 3: | Organisms and Food Webs |
| Week 4**: | Tides and Waves |
| Week 5: | The Intertidal |
| Week 6: | Coastal Waters |
| Week 7: | Polar Seas |
| Week 8**: | Fish & Fisheries |
| Week 9: | Tropical Ecosystems I |
| Week 10: | Tropical Ecosystems II |

*Complete interactive schedule with assignments is on Canvas Home Page

**Midterms in Weeks 4 and 8

USEFUL LINKS:

[Academic Integrity and Student Conduct Code](https://policies.uoregon.edu/vol-3-administration-student-affairs/ch-1-conduct/student-conduct-code)

<https://policies.uoregon.edu/vol-3-administration-student-affairs/ch-1-conduct/student-conduct-code>

[Avoiding Plagiarism](https://cmsw.mit.edu/writing-and-communication-center/avoiding-plagiarism/)

<https://cmsw.mit.edu/writing-and-communication-center/avoiding-plagiarism/>

[Technical Support from UO](https://is.uoregon.edu/remote)

<https://is.uoregon.edu/remote>

<https://service.uoregon.edu/TDClient/2030/Portal/KB/ArticleDet?ID=31704>Links to an external site.

[All kinds of support from UO](https://remote.uoregon.edu/stay-connected)

<https://remote.uoregon.edu/stay-connected>

SEE NEXT PAGE FOR IMPORTANT INFORMATION

INFORMATION FOR USING SimUText – FALL 2020 - You will need either a credit card or a voucher number from the bookstore to download the software needed to do

the Keystone Predator and Barnacle Zone studies. Be sure to follow the directions below and 'Check your tech' asap.

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It is important that you review the information below *before* you subscribe to the SimUText for Ocean Planet at University of Oregon - Eugene. To avoid possible problems, do not wait until the last minute.

1. CHECK YOUR TECH!

Visit <https://simutext.zendesk.com/hc/en-us/categories/200170134-Check-Your-Tech> to confirm that the SimUText application will work on your computer, and/or to explore your options if there is a problem.

2. SimUText Voucher Code (optional)

If you purchased a SimUText Voucher from your bookstore, be sure to have it with you when subscribing, as you will need to enter your voucher code.

3. Registration Link

When you are ready to subscribe and download installers, follow this link to initiate the process:

<https://www.simutext.com/student/register.html#/key/Uakt-Jv5q-3pRU-N87s-AGmG>

4. SimUText Application Installers

After you have completed the subscription process, if you need to download the SimUText application installers again, you will be able to access them by logging into the [SimUText Student Portal](https://www.simutext.com/student/) (<https://www.simutext.com/student/>).

Save this email! Should you encounter problems, you may need your course-specific Access Key. It is: Uakt-Jv5q-3pRU-N87s-AGmG

Problems or questions? Visit [SimUText Support](http://simbio.com/support/simutext) (<http://simbio.com/support/simutext>)

Your Course-Specific Access Key

Uakt-Jv5q-3pRU-N87s-AGmG

Your Course-Specific Registration Link

<https://www.simutext.com/student/register.html#/key/Uakt-Jv5q-3pRU-N87s-AGmG>
