BI 357: MARINE BIOLOGY, Fall 2022 (CRN 12719)

Instructor: Dr. Kelly Sutherland, ksuth@uoregon.edu, 479 Onyx, 541-346-8783
Office hours: Thurs. 2-4 pm or by appointment (set up a time after class or via email)

GEs: Jessie Masterman, jmaster3@uoregon.edu, Office hour: Tues. 3:30-4:30 pm
Farzana Yesmin, fyesmin@uoregon.edu, Office hour: Wed. 11 am-12 pm

Instructional Biology Assistant: Katie Pérez, kperez@uoregon.edu

BULAs: Ascensy Perez, Daniel Tran

Lecture: Tues., Thurs. 12:00-1:20 pm, 110 Willamette
Labs: Mon. 10-11:50am, 12:00-1:50 pm, 2:00-3:50 pm, 33 Klamath

Please note: This course includes one required field trip. You may choose between two dates: Sat., Oct. 8 and Sat., Oct. 15. If there is space, you may attend both trips.

Course description:
I am looking forward to exploring the diversity of life and ecosystems in the oceans with you this term. The oceans cover 71% of the earth’s surface host a fascinating diversity of creatures. Life in the ocean is shaped by physical, evolutionary, ecological and human forces. In this course we will survey the diversity of marine organisms with a focus on the Oregon coast. We will learn about adaptations and ecological interactions among organisms and how these interactions vary across marine habitats. Through lectures, an all-day field trip to the coast, laboratory studies, discussions and team projects we will become familiar with marine organisms and use quantitative approaches to understand organism morphology, physiology and behavior.

Learning objectives:

Concept based outcomes:
• Identify major groups of marine organisms with an emphasis on Pacific Northwest
• Describe the function of key marine ecosystems and ecological principles relevant to marine communities
• Understand human interactions with the marine environment

Skills based outcomes:
• Work effectively in pairs and teams
• Interpret lab results in context of the primary scientific literature through writing lab reports

Required text:
Marine Biology (Castro & Huber 8th, 9th, 10th, 11th Eds. are OK)
If you have difficulty purchasing text, you can apply for a Textbook Subsidy

Supplementary texts (on reserve in library; purchase NOT required):
Seashore Life of the Northern Pacific Coast (Kozloff, E. 1993)
Whelks to Whales: Coastal Marine Life of the Pacific Northwest. (Harbo, R., 2nd Ed. 2011)
Other readings as assigned will be posted on Canvas
Course requirements: Assignments will include readings from the course textbook and the primary literature, 6 lab reports, 1 field trip report, 8 Canvas check-ins (available each Wed. until just before class on Thurs.), 2 mid-terms, and a final project. The final project is an oral presentation in groups on a topic of your choice during the last lab meeting. Lab reports will help students become familiar with the format of science writing and will help students to hone their scientific writing skills in preparation for the final research proposal, in which each team defines a research question of their choosing to be presented at the end of the course. A week-by-week schedule is included together with the syllabus.

Class participation: This is an in-person course. Participation through active listening, discussion, clicker questions, class activities, presentations and engagement with other students are core aspects of your study. It is your responsibility to come to class prepared to discuss readings and assignments. I will accommodate absences as described in the Absences policy below. iClickers are required for this course and should be brought to each class session to receive participation credit. Technical support for iclickers is available at the Center for Media and Educational Technologies, Knight Library Room 19, Phone: (541) 346-3053. Neither I nor the GEs are able to answer iclicker tech support questions.

COURSE POLICIES

Grading structure
Midterms = 40% (2 exams, 200 pts each)
Labs = 25% (6 labs plus 1 field trip, 50 pts each)
Term project = 20% (200 pts)
Weekly Canvas Check-ins = 10% (8 Check-ins; 15 pts each)
Class participation = 5% (50 pts)

Grading scale (Total possible points = 1000)
>97 A+; 93-96.9 A; 90-92.9 A-; 87-89.9 B+; 83-86.9 B; 80-82.9 B-; 77-79.9 C+; 73-76.9 C;
70-72.9 C-; 67-69.9 D+; 63-66.9 D; 60-62.9 D-; <59.9 F

Assignment deadlines: Although deadlines are firm as posted on Canvas, I have built flexibility into the course in several ways:

- Your lowest lab score will be dropped
- Points will be deducted for late lab assignments (10 points per day)
- Your lowest Canvas check-in score will be dropped
- If you are satisfied with your grade in the course at the end of the term, you can skip the second midterm and your midterm score will be based on the score you received on the first midterm

I hope both the regular deadline and some built-in flexibility supports your work in the course.

Communication
Questions are welcomed during class and you are encouraged to attend office hours. I enjoy talking with students about our course material! We will communicate through our Canvas site.
Announcements are archived there, automatically forwarded to your UO email, and can even reach you by text. Check and adjust your settings under Account > Notifications.

**How can you communicate with us?**
If at all possible, please communicate with me during office hours or after class and not via email. I want to get to know you and engage with you and this is much harder to do over email.

Our GEs, Jessie Masterman (jmaster3@uoregon.edu) and Farzana Yesmin (fyesmin@uoregon.edu) are excellent resources too. Talk to them during their office hours or email.

We also are fortunate to have two Biology Undergraduate Lab Assistants (BULAs) helping out during lab and lecture. These are students who enjoy this topic and are happy to be working with you.

If your question or comment is
- a practical, yes/no one about an assignment, reading, or other component of our class, please post your question on the Discussion thread titled “Class Questions and Answers,” which we respond to, and where your peers can also pose questions and share answers.
- about a technical challenge with Canvas or another technology, please contact the UO Service Portal.
- about course content or activities, about something personal, time sensitive, or something else that doesn't feel like it fits above, please reach out to me by email or by attending office hours! I try to respond to questions within one business day.

**Classroom Community Expectations**

*Participate and Contribute:* Please arrive in class on time and turn off cell phones during class. All students are expected to participate by sharing ideas and contributing to the learning environment. This entails preparing, following instructions, and engaging respectfully and thoughtfully with others. A range of participation activities support learning. Participation might look like active listening and note-taking, speaking aloud in class or in talking small groups.

*Expect and Respect Diversity:* Welcome and respect diverse experiences, perspectives, and learning approaches. Learn from one another, be patient with each other, identify ways to assist others, and be open-minded to receiving help and feedback.

**ABSENCES**
Students may miss four classes this term, regardless of the reason. This means we do not have “excused” or “unexcused” absences. Please stay home and use one of your four absences if you are sick.

We know our UO community will still be navigating COVID-19, and some students will need to use some of their four absences to isolate and rest if they get COVID. I made my absence policy with this in mind, so please use your absences with care so they’re there for you if you need them. Students with COVID are encouraged to seek guidance and resources at [UO’s COVID-19 Safety Resources webpage](#).

In-class work is central to meeting our learning objectives. Because of this, students who miss six or more classes will receive a grade of zero on their participation score and it is unlikely that
students who miss 6 or more classes will be able pass this course.

Your success is genuinely important to me. If challenges come up for you this term around attendance, please contact me as soon as you can. Together we can identify what resources or strategies might be available to support you and your learning.

UNIVERSITY POLICIES AND RESOURCES

Accessible Education
The University of Oregon is working to create more inclusive learning environments, including for students who identify as having a disability. At UO, 10% of students use the Accessible Education Center (AEC) and nationally an estimated 20% of undergraduates identify as having a disability. If there are aspects of the instruction or design of this course that result in disability-related barriers to your participation, please contact me.

You are also encouraged to contact the Accessible Education Center in 164 Oregon Hall at 541-346-1155 or uaec@uoregon.edu. The AEC offers a wide range of support services including note-taking, testing services, sign language interpretation and adaptive technology.

Accommodations for Religious Observances
The University of Oregon respects the right of all students to observe their religious holidays, and will make reasonable accommodations, upon request, for these observances. If you need to be absent from a class period this term because of a religious obligation or observance, please fill out the Student Religious Accommodation Request fillable PDF form and send it to me within the first weeks of the course so we can make arrangements in advance.

Your Wellbeing
Life at college can be very complicated. Students often feel overwhelmed or stressed, experience anxiety or depression, struggle with relationships, or just need help navigating challenges in their life. If you're facing such challenges, you don't need to handle them on your own—there's help and support on campus.

As your instructor if I believe you may need additional support, I will express my concerns, the reasons for them, and refer you to resources that might be helpful. It is not my intention to know the details of what might be bothering you, but simply to let you know I care and that help is available. Getting help is a courageous thing to do—for yourself and those you care about. University Health Services helps students cope with difficult emotions and life stressors. If you need general resources on coping with stress or want to talk with another student who has been in the same place as you, visit the Duck Nest (located in the EMU on the ground floor) and get help from one of the specially trained Peer Wellness Advocates.

University Counseling Services (UCS) has a team of dedicated staff members to support you with your concerns, many of whom can provide identity-based support. All clinical services are free and confidential. Find out more at counseling.uoregon.edu or by calling 541-346-3227 (anytime UCS is closed, the After-Hours Support and Crisis Line is available by calling this same number).

Basic Needs
Being able to meet your basic needs is foundational to your success as a student at the University of Oregon. If you are having difficulty affording food, don't have a stable, safe place to live, or are struggling to meet another need, visit the UO Basic Needs Resource page for
information on how to get support. They have information on food, housing, healthcare, childcare, transportation, technology, finances (including emergency funds), and legal support.

If your need is urgent, please contact the Care and Advocacy Program by calling 541-346-3216, filling out the Community Care and Support form, or by scheduling an appointment with an advocate.

**Respect for Diversity**
You can expect to be treated with respect in this course. Both students and your instructor(s) enter with many identities, backgrounds, and beliefs. Students of all racial identities, ethnicities, genders, gender identities, gender expressions, national origins, religious affiliations, sexual orientations, citizenship statuses, ability and other visible and non-visible differences belong in and contribute to this class and this discipline. All students are expected to contribute to a respectful, welcoming and inclusive environment for every other member of the class.

Class rosters are provided to instructors with students’ legal names. Please let me know if the name or pronouns I have for you are not accurate. It is important to me to address you properly.

Please let me know if aspects of the instruction, course design, or class activities undermine these principles in any way. For additional assistance and resources, you may also consider contacting the Division of Equity and Inclusion through their website or by phone (at 541-346-3175), or the Center for Multicultural Academic Excellence through their website or by phone (at 541-346-3479).

**Academic Integrity**
The University Student Conduct Code (available on the Student Conduct Code and Procedures webpage) defines academic misconduct. Students are prohibited from committing or attempting to commit any act that constitutes academic misconduct. By way of example, students should not give or receive (or attempt to give or receive) unauthorized help on assignments or examinations without express permission from the instructor. Students should properly acknowledge and document all sources of information (e.g. quotations, paraphrases, ideas) and use only the sources and resources authorized by the instructor. If there is any question about whether an act constitutes academic misconduct, it is the students’ obligation to clarify the question with the instructor before committing or attempting to commit the act. Additional information about a common form of academic misconduct, plagiarism, is available at the Libraries’ Citation and Plagiarism page.

**Mandatory Reporter Status**
I am an assisting employee. For information about my reporting obligations as an employee, please see Employee Reporting Obligations on the Office of Investigations and Civil Rights Compliance (OICRC) website. Students experiencing sex or gender-based discrimination, harassment or violence should call the 24-7 hotline 541-346-SAFE [7244] or visit safe.uoregon.edu for help. Students experiencing all forms of prohibited discrimination or harassment may contact the Dean of Students Office at 541-346-3216 or the non-confidential Title IX Coordinator/OICRC at 541-346-3123. Additional resources are available at UO’s How to Get Support webpage.

**Academic Disruption due to Campus Emergency**
In the event of a campus emergency that disrupts academic activities, course requirements, deadlines, and grading percentages are subject to change. Information about changes in this course will be communicated as soon as possible by email, and on Canvas. If we are not able to meet face-to-face, students should immediately log onto Canvas and read any announcements
and/or access alternative assignments. Students are also expected to continue coursework as outlined in this syllabus or other instructions on Canvas.

**Inclement Weather**
It is generally expected that class will meet unless the University is officially closed for inclement weather. If it becomes necessary to cancel class while the University remains open, this will be announced on Canvas and by email. Updates on inclement weather and closure are also communicated as described on the Inclement Weather webpage.

**Campus resources to support your learning**

_Tutoring and Learning Center (TLC)_ Drop-in math and writing support in addition to tutoring, study skills support, and Class Encore. Located in the 4th Floor Knight Library (541) 346-3226, tlc@uoregon.edu

_Center for Multicultural Academic Excellence (CMAE)_ mission is to promote student retention and persistence for historically underrepresented and underserved populations. We develop and implement programs and services that support retention, academic excellence, and success at the UO and beyond. We reaffirm our commitment to all students, including undocumented and tuition equity students. Located on the 1st Floor of Oregon Hall (541) 346-3479, cmae@uoregon.edu

The **UO Access Shuttle** is an on-campus ride service provided at no cost to students with conditions that limit mobility. More information and a sign-up form can be found on the parking & transportation department website: https://parking.uoregon.edu/content/access-shuttle.

**Duck Rides**
541-346-7433
[https://police.uoregon.edu/duck-rides](https://police.uoregon.edu/duck-rides)
_Duck Rides_ is a student-led organization dedicated to providing free and accessible transportation to all university students, staff and faculty. We are committed to promoting the safety of all university members. We are inclusive, regardless of sex, gender identity, disability, race, religion, sexual orientation etc. Our goal is to provide safe transportation that is an alternative to walking home alone at night.