



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ZOOL 200 Marine Biology, S-Focus

3 Credits (CRN 60286)

Online Asynchronous

INSTRUCTOR: Kyleigh Kuball
OFFICE: ZOOM
OFFICE HOURS: Please email to set up an appointment
EMAIL: kyleighk@hawaii.edu
EFFECTIVE DATE: Spring 2025

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko'olau region of O'ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

CATALOG DESCRIPTION

Recommended Preparation: Registration in ZOOL 200L

Biological, physical, and chemical characteristics, flora and fauna, and interactions of components of marine ecosystems; survey of marine environments; utilization, exploitation, pollution, and conservation of marine resources; with special emphasis on the Hawaiian marine environment.

COURSE FORMAT

ZOOL 200 Marine Biology is a fully online, asynchronous course. This means there are no required face to face meeting times. All work will be completed through our Lamakū course site. In this 15-week course you are expected to spend about 9-12 hours a week learning material by watching pre-recorded lectures and other supplemental videos, and completing assignments, forums, quizzes and a final group project.

STUDENT LEARNING OUTCOMES

As a result of taking this course, students can expect to attain the following outcomes:

1. Explain the process and philosophical basis of scientific inquiry.
2. Distinguish between living things and inanimate objects.
3. Demonstrate an understanding of the physical and chemical characteristics of the marine environment, especially those of the Hawaiian marine environment, and how they impact marine life.
4. Communicate knowledge of the diversity of marine organisms, especially Hawaiian species.

5. Exhibit an appreciation of the interaction between structure and function of marine life and how marine organisms are taxonomically related.
6. Illustrate and provide examples of the ecological role of and relationships between marine organisms.
7. Describe the major life zones of the ocean and the adaptations of living things relevant to being a successful species in these zones.
8. Recognize and suggest solutions to the negative impacts of human activities on the marine environment.
9. Research and write, using the language of the field, about a marine biology topic.

Sustainability Learning Outcomes

1. Describe how the individual relates to the wider issues of sustainability.
2. Demonstrate how concepts of sustainability are connected to local, regional and global issues.

LEARNING RESOURCES

- All worksheets, forums, quizzes, lectures, etc will be available through our Lamakū course site
- **OPTIONAL TEXT (but recommended):** Castro, P., Huber, M. *Marine Biology. 11th Ed* McGraw Hill Publishing Co, 2018. You may purchase or rent through a vendor of your choice.

COURSE POLICIES, ATTENDANCE & GRADING

Participating in our Learning Community

Many of our assignments and forums will require you to not only post or submit via presentation but also reply/comment on your classmates' posts in our Lamakū course site or through other online programs such as Padlet.

Contacting the Instructor

Please contact me via email if you have any questions or concerns. I will reply within 24 hours. Please also feel free to schedule a Zoom meeting with me.

Attendance/Participation

Although our course does not have set face to face meeting times, you will be expected to actively participate in forum and assignment discussions and participation in these activities will contribute to your overall grade for that assignment.

Late Work and Missed Assignments

There will be no late work accepted and missed assignments and quizzes will be granted a make up **ONLY** for legitimate and documented emergencies that are brought to the attention of the instructor within 24-hours after the due date for the assignment or quiz. Please communicate with me early if you know you need accommodation, or contact me ASAP if there is an emergency so I can work with you!

A Note About the Quizzes

The quizzes will be timed and are open notes, meaning you can use your study guides during the quizzes. Be aware that you **CANNOT** plagiarize on the short essay questions. If you share study guides,

you cannot simply copy and paste, you must create your own answer! If I see similar answers you will get a zero for that question.

Required meeting with your instructor!

This semester, I want to meet with you at some point during the first three weeks of the semester, and again during the second half of the semester. These meetings will be no longer than 15 minutes and are a casual space for us to learn about one another. Use [this link](#) to set up a meeting and email me if there are any issues or an unlisted time would work better. Please do this right away! I look forward to chatting with you!

Final Grade

Your final grade will be calculated based on the following:

Forums/VideoPadlets: Seven total ranging from 4-8 pts each	30%	
Assignments : Six total ranging from 2-4 pts each		30%
Quizzes: Four quizzes covering 2-6 chapters each	30%	
Final Group Project: A final presentation during finals week	10%	

Letter grades will be assigned as follows:

- A** 90% or above in total points
- B** 80-89.9% of total points
- C** 65-79.9% of total points
- D** 55-64.9% of total points
- F** Below 55% of total points or informal or incomplete official withdrawal from course.
- I** Given at Instructor's discretion. See catalog for detailed description.

W Official withdrawal from the course by **FRIDAY MARCH 28th**

TENTATIVE COURSE SCHEDULE

The following schedule is subject to change. Should changes occur, you will be notified via email. Please consult the [Academic Calendar](#) for important dates throughout the semester.

Schedule legend: A: Assignment to complete; F: Forum or Video Padlet; Q: Quiz; R: Reading (optional text); S: Chapter study guide worksheet; V: Video to watch

WEEKLY SCHEDULE (11:59PM Hawai'i Standard Time)

- MONDAY Weekly announcements
- TUESDAY Assignment due
- WEDNESDAY Forum/Video Padlet post and responses due
- FRIDAY Quizzes due

Orientation Week, Course opens Jan 6

A: Complete SÖL module and submit certificate

R: Syllabus

V: Watch "How to navigate this course" and "Instructor Intro" videos

F: Video Padlet 1: Getting to know one another

Week One, Jan 13

V: "Beau Lotto & Amy O'Toole: Science is for everyone, kids included" Ted Talk

R: "Blackawton Bees" peer reviewed journal article

V: "The power of believing that you can improve" Ted Talk

Week Two, Jan 20

V: Chapter 1 pre-recorded presentation

R: Chapter 1 (optional text): The Science of Marine Biology

S: Chapter 1 study guide worksheet

V: "How to spark your curiosity, scientifically" Ted Talk

F: Forum One: Thoughts and perceptions about the Blackawton Bees Project

Week Three, Jan 27

V: Chapter 2 pre-recorded presentation

R: Chapter 2 (optional text): The Sea Floor

S: Chapter 2 study guide worksheet

A: Assignment One: Skills inventory

F: Video Padlet 2: "Design an experiment of your own interest" guided worksheet with presentation

Week Four, Feb 3

V: Chapter 3 pre-recorded presentation

R: Chapter 3 (optional text): Chemical and Physical Features of the World Ocean

S: Chapter 3 study guide worksheet

F: Video Padlet 3: "Model of the Formation of the Hawaiian Island Archipelago" Presentation

Week Five, Feb 10

V: Chapter 4 pre-recorded presentation

R: Chapter 4 (optional text): Fundamentals of Biology

S: Chapter 4 study guide worksheet

Q: Chapters 1-3

Week Six, Feb 17

V: Chapter 10 pre-recorded presentation

R: Chapter 10 (optional text): An Introduction to Marine Ecology

S: Chapter 10 study guide worksheet

A: Assignment Two: The fundamental biology of your favorite marine organism

Week Seven, Feb 24

V: Chapter 5 and 6 pre-recorded presentations

R: Chapter 5 (optional text): The Microbial World and Chapter 6 (optional text): Multicell. Primary Producers

S: Chapter 5 and 6 study guide worksheets

A: Assignment Three: Marine Habitat Food Chain

Week Eight, Mar 3

V: Chapter 7 pre-recorded presentation

R: Chapter 7 (optional text): Marine Animals Without a Backbone

S: Chapter 7 study guide worksheet
 A: Assignment Four: Hawaiian Algae
 Q: Chapters 4 and 10

Week Nine, Mar 10

V: Chapter 8 pre-recorded presentation
 R: Chapter 8 (optional text): Marine Fishes
 S: Chapter 8 study guide worksheet
 F: Video Padlet 4: "Favorite Hawaiian Marine Invertebrate" Presentation

Week Ten, Mar 17

Spring Break - no new material!

Week Eleven, Mar 24

V: Chapter 9 pre-recorded presentation
 R: Chapter 9 (optional text): Marine Reptiles, Birds, and Mammals
 S: Chapter 9: study guide worksheet
 A: Assignment Five: "Favorite Hawaiian Marine Fish"

Week Twelve, Mar 31

V: Chapter 11-13 pre-recorded presentations
 R: Chapter 11 (optional text): Between the Tides; Chapter 12 (pp 287-290) (optional text) Mangroves;
 Chapter 13 (pp 308-315) (optional text) Kelp Forests
 S: Chapter 11-13: study guide worksheet
 F: Video Padlet 5: "Favorite Marine Reptile, Bird or Mammal" Presentation

Week Thirteen, Apr 7

V: Chapter 14 pre-recorded presentation
 R: Chapter 14 (optional text): Coral Reefs
 S: Chapter 14: study guide worksheet
 Q: Chapters 5-9

Week Fourteen, Apr 14

V: Chapter 15 and 16 pre-recorded presentations
 R: Chapter 15 (optional text): Life Near the Surface and Chapter 16 (optional text): The Ocean Depths
 S: Chapter 15 and 16 study guide worksheets
 A: Assignment Six: "Coral Reef Symbioses"

Week Fifteen, Apr 21

V: Chapter 17 pre-recorded presentation
 R: Chapter 17 (pp 395-412) (optional text) Resources from the Sea
 S: Chapter 17 study guide worksheet
 F: Video Padlet 6: "Favorite Deep Sea Organism" Presentation

Week Sixteen, Apr 28

V: Chapter 18 pre-recorded presentation
 R: Chapter 18 (pp 419-430) (optional text) The Impact of Humans on the Marine Environment
 S: Chapter 18 study guide worksheet
 Q: Chapters 11-16

Week Seventeen, May 5

Final Group Project: Ocean Issues PSA Presentation DUE Friday May 9th 11:59PM HST

ACADEMIC INTEGRITY

Work submitted by a student must be the student's own work. The work of others should be explicitly marked, such as through the use of quotes or summarizing with reference to the original author.

In this class, students who commit academic dishonesty, cheating, or plagiarism will have the following consequence(s):

Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

[Windward CC Student Conduct Information](#)

[UH System Student Conduct Policy EO 7.208](#)

Include an AI Statement (is it ok in your class? if so, when/how?) Here are some [UH AI Recommendations](#) and [AI Icons & Sample Statements](#). Instructors should refrain from sharing or inputting student work into online AI tools, including AI detection tools, without obtaining student consent. Uploading student work has potential FERPA implications as well as potential copyright concerns. Additionally, the uploaded content could be used as data for AI training without the student's consent.

STUDENT RESPONSIBILITIES

- Expectations
- Additional policies (e.g., cell phones in the classroom, late work, attendance, missed work, extra credit, participation, netiquette)
- Any information you feel the student needs to know
- Students may check the [Student Notifications](#) page on the website for canceled classes

HOW TO SEEK ACADEMIC OR TECHNICAL SUPPORT

Academic Support

- [Windward Community College Library](#)
- [Library eResources](#)
- [Ka Piko Writing Lab](#)
- [Ka Piko Speech Lab](#)
- [Ka Piko Math Lab](#)
- [Evening and Online Learning at Windward Community College](#)
- [STAR Balance](#)

Technical Support

- [UH ITS Help Desk](#) – email help@hawaii.edu or call 956-8883 (or 1-800-558-2669) for Lamakū and most technology support. Available 24 hours a day, 7 days a week, including holidays.
- Student Tech Support - email winhelp@hawaii.edu, call 808-235-7437, or stop by in person at Hale Laʻākea 228. Available Monday–Friday from 8:00 am–4:00 pm.
- Lamakū – Click on the [Lamakū Help](#) link in the menu bar at the top of the Lamakū homepage to fill out and submit a question and get your answer via email.
- [Information Security for Students](#)

COLLEGE POLICIES & SUPPORT SERVICES

Disabilities Accommodations Statement

The Windward Community College's Disability Student Services Office (WCC-DSSO) is committed to providing equal access to qualified students with disabilities.

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to participate fully in this class, you are encouraged to contact the Disability Specialist Counselor, Roy Inouye, to discuss reasonable accommodations that will help you succeed in this class. The Disabilities Counselor can be reached at 808-235-7448, wccdsso@hawaii.edu, or stop by the office (Hale Kako'o 106) for more information.

TRIO PROGRAM

The Federal TRiO Programs are educational opportunity outreach programs designed to motivate and support students from disadvantaged backgrounds. TRiO includes six outreach and support programs targeted to serve and assist low-income, first-generation college students and students with disabilities in progressing through the academic pipeline from middle school to post-baccalaureate programs. Here is their contact info: <https://windward.hawaii.edu/trio/>

Basic Needs

Basic needs include food and housing, childcare, mental health, financial resources, and transportation. Student basic needs security is critical for ensuring strong academic performance, persistence and graduation, and overall student well-being. If you or someone you know is experiencing basic needs insecurity, please see the [UH System Basic Needs website](#).

Mental Health Counseling

Mental Health and Wellness at Windward Community College counseling services and activities on campus to support students' life goals as well as their academic goals. Information about services can be found at the [WCC Mental Health & Wellness website](#).

LGBTQ+

The University of Hawai'i system and Windward Community College are committed to building an inclusive community that supports and advocates for all Students, Staff, and Faculty. We welcome all members of our campus community to our campuses: transgender, māhū, and people of all gender identities. All members of our campus community deserve a work and educational environment free from harassment or bullying based on their sexual orientation, gender identity, or expression. University of Hawai'i Commission on LGBTQ+ Equality at their website: <http://www.hawaii.edu/offices/president/lgbtq/> Windward Community College Commissioner: Scott Sutherland, scottjks@hawaii.edu

UH Alerts

The UH Alert emergency notification system alerts the university community in the event of a natural, health or civil emergency. The information you provide will only be used in the event of an emergency that impacts the health and safety of the UH community or the closure of whole

campuses. It will not be shared with others or used for routine UH communications or announcements. To sign up, visit [UH Alerts website](#) for more information.

Financial Aid

If you are receiving financial aid and are contemplating not completing the course, BEFORE you withdraw, it is highly recommended that you contact the Financial Aid Office at 808-934-2712 or email them at wccfao@hawaii.edu to discuss the impact this decision may have on your financial aid eligibility.

Student Conduct Code

Windward Community College follows the University of Hawai'i Code of Student Conduct which defines expected conduct for students and specifies those acts subject to University sanctions. Students should familiarize themselves with the Code of Student Conduct since, upon enrollment at Windward Community College, the student has placed herself/himself under the policies and regulations of the University and its duly constituted bodies. The disciplinary authority is exercised through the Office of the Vice Chancellor for Student Affairs. Copies of the Student Conduct Code are available at the Office of the Vice Chancellor for Student Affairs or [online](#).

Title IX - Sex Discrimination And Gender-Based Violence Resources

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Leslie Cabingabang, UH System Confidential Advocate
 Phone/Text: (808) 348-0432 or (808) 341-4952
 Email: advocate@hawaii.edu
 Office: Hale Kāko'o 107 (Wednesdays)

Mykie E. Menor Ozoa-Aglugub, J.D., Title IX Coordinator
 Phone: (808) 235-7468
 Email: mozoo@hawaii.edu
 Office: Hale Kāko'o 109

Desrae Kahale, Mental Health Counselor & Confidential Resource
 Phone: (808) 235-7393
 Email: dkahale3@hawaii.edu
 Office: Hale Kāko'o 101

Karen Cho, Deputy Title IX Coordinator

Phone: (808) 235-7404
Email: kcho@hawaii.edu
Office: Hale ʻAlakaʻi 120

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University's Title IX resources, and the University's Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/