



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

OCN 201L, SCIENCE OF THE SEA LABORATORY

1 credit, CRN: 63103

Thursdays 11:30 – 2:15 pm (WWW) via Zoom

INSTRUCTOR: Pavica Srsen

OFFICE: Hale ‘Imiloa 119

OFFICE HOURS: By appointment

TELEPHONE: (808) 236-9257

EMAIL: pavica@hawaii.edu

VIDEO: <https://zoom.us/my/pavica>

EFFECTIVE DATE: Fall/2022

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

Experiments, computer exercises and field trips demonstrating the geological, physical, chemical and biological principles, and equipment, of earth and ocean sciences. (3 hours laboratory) DY

Activities Required at Scheduled Times Other than Class Times

About half of the classwork will take place asynchronously (unscheduled) online. This means that for some course topics, instead of weekly live (scheduled) online meetings, the students will be provided learning resources at the beginning of the week and will be required to submit the weekly assignment by the stated deadlines.

PREREQUISITES

Credit for or registration in OCN 201 or equivalent preparation or consent of instructor.

Recommended Preparation: High school algebra and chemistry; ability to use a computer.

STUDENT LEARNING OUTCOMES

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

1. Develop a practical understanding of the principals of oceanography.
2. Use the methodology of marine biology and oceanography to define and solve problems independently and collaboratively.
3. Use a wide variety of laboratory and field techniques with accuracy, precision and safety.
4. Accurately interpret biological and oceanographic information.

5. Demonstrate proficient library, mathematical and computer skills in data gathering and analysis.
6. Apply scientific concepts to environmental and societal issues.
7. Apply their learning in an off-campus professional setting.

REQUIREMENTS THIS COURSE SATISFIES

Partially fulfills Windward Community College's Liberal Arts degree Natural Science requirements as a physical science laboratory course.

COURSE TASKS

Readings: Before attending class, you are expected to have read that week's assigned reading and other resources, if applicable. The resources will be posted on class Laulima site.

Attendance: Attendance to all synchronous lab sessions is **mandatory**. Missing a synchronous lab will result in a **0 score** for that week's lab report. Missing more than one lab is grounds for an automatic F. This is the only OCN 201L lab at WCC this semester thus impossible to make-up. No alternative arrangements will be made for undocumented emergencies. If you anticipate missing a lab due to prior arrangements, please reach out to the instructor immediately.

Laboratory report (worksheet; up to 14): Each lab will have a written report (a fillable worksheet or a Laulima *Assignment*). For **synchronous labs**, the worksheet or a Laulima *Assignment* will be completed during the online lab session. For **asynchronous labs**, either a fillable worksheet (with instructions, resources and questions to answer), or a Laulima *Assignment* will be available via Laulima. The worksheets will be in Word.doc format and will have to be filled out and uploaded into Laulima's Drop Box folder by the stated deadlines. **Students will not be able to make up the missed live (synchronous) labs. If the student missed a lab, they will receive a 0 score for that week's worksheet.** The students are required to work collaboratively with their group members. While the students will be working in groups (during most live labs), each student is required to fill out his/her individual lab worksheet. Copying another student's worksheet is considered academic dishonesty; the students involved in this will receive a score of zero for the worksheet and will be referred to Vice Chancellor for Student Affairs.

Participation in an online discussion: We will be using Forum tool in Laulima and/or Padlet, for class discussions. The student will actively engage in an online discussion posted on the course Forum page on the course Laulima site. The instructor will initiate these discussions by posting a discussion topic or a question related to a course topic. The students are then required to post thoughtful comments, including substantive responses to the instructor and at least two of their peers. The substantive responses should be meaningful, related to the discussion topic and at least 40 words long. Each discussion topic will be open for limited period (typically one week) and students will only be able to comment/respond during these open periods. Rubrics for scoring student participation in these discussions will be described on the class Laulima site. Students are expected to follow the Netiquette (i.e. Internet Etiquette, available in Laulima's Resources folder) for discussions and other online interactions with their peers and the instructors.

ASSESSMENT TASKS AND GRADING

In summary, grading will be based upon:

Lab reports	90%
<u>Participation (online discussion; working collaboratively)</u>	<u>10%</u>
TOTAL	100%

- **Assignment scores and feedback** will be available via Lulima's Gradebook tool within two weeks of the assignment due date.
- There will be **no midterm nor final examinations**.

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	Incomplete; given at the INSTRUCTOR'S OPTION when student is unable to complete a small part of the course because of circumstances beyond his or her control. It is the STUDENT'S responsibility to make up incomplete work. Failure to satisfactorily make up incomplete work within the appropriate time period will result in a grade change for "I" to the contingency grade identified by the instructor (see catalog).
CR	65% or above in total points; the student must indicate the intent to take the course as CR/NC in writing by the end of the 10th week of classes (see catalog).
NC	Below 65% of total points; this grade only available under the CR/NC option (see above and see catalog).
N	NOT GIVEN EXCEPT UNDER EXTREMELY RARE CIRCUMSTANCES (e.g., documented serious illness or emergency that prevents the student from officially withdrawing from the course); never used as an alternative for an "F" grade.
W	Official withdrawal from the course after the third week and prior to the end of the 10th week of classes (see catalog).

Waiver of minimum requirements for specific grades may be given only in unique situations at the instructor's discretion. |

LEARNING RESOURCES

- There is no required textbook for this course; all learning resources will be distributed via Lulima.
- Recommended books for your reference:

- *Science of the Sea, A Hawai‘i-Based Perspective of Oceanography* by M. Smith, M. Burgos and F. McCoy, 1st Ed. (2019)
- *Essentials of Oceanography* by T. Garrison (any edition)

ABOUT THE INSTRUCTOR

Pavica Srsen is an oceanography instructor at Windward Community College. She holds a MSc. in Oceanography from School for Ocean and Earth Science and Technology ([SOEST](#)) at UH Mānoa and have various research interests in the field of benthic ecology (i.e. organisms inhabiting the sea floor). At WCC, she teaches environmental science and ocean-related courses and mentors students interested in completing a semester-long research study (usually as a part of SCI 295V course).

COMMUNICATION EXPECTATIONS

Students are expected to behave politely, respectfully and professionally while communicating with the peers and the instructor via online discussions, email, video conferencing and other forms of interactions. The UH Internet Etiquette (i.e. “Netiquette”) is available for students to review in Lualima’s Resources tool.

The instructor can be reached via:

- Email: pavica@hawaii.edu; expect a response within 24 hours Monday-Friday, 48 hours during the weekend and holidays.
- Phone: 808-236-9257, generally Monday-Friday 8:30 am – 4 pm.
- By appointment via Zoom video conference (<https://zoom.us/my/pavica> or <https://zoom.us/j/7959785170>).

COURSE TECHNOLOGY

Course Technology

Learning Management System utilized by this course is [Lualima](#), accessible from the [WCC main web site](#), under “Services for Students” tab. To log in, please use your University of Hawaii login information, the same one used to log into your UH email and MyUH/STAR systems. To access Lualima (Sakai) Accessibility information follow this link: [Lualima Accessibility](#).

Hardware and Software Expectations:

Students should be comfortable operating a computer browser, such as Mozilla Firefox or Safari, using email, downloading and uploading files. In addition, students should be comfortable using Adobe Acrobat Reader ([download the free software here](#)) and basics programs within Microsoft Office package (Word, Excel, and PowerPoint). Microsoft Office can be obtained via University of Hawai‘i’s [Information Technology Services](#).

It is recommended that you:

- Use a more recent model desktop or laptop (2014 or later), either Windows or Mac. You may loan a laptop from WCC library for the entire semester for free!
- Have access to reliable high-speed Internet connection.
- Use Mozilla Firefox as your web browser, as Lualima is designed to work best with it. Note: that we do not recommend using *Internet Explorer* for submitting work or taking tests in Lualima.

- Depending on your browser settings, PDF files may open in a new window or tab or automatically download to your download folder

Laulima and other technical support:

University of Hawai‘i’s [Information Technology Services Help Desk](#) is available 24 hours a day, 7 days a week (including holidays) either via email (help@hawaii.edu) or by phone (808-956-2669). Laulima support can also be accessed directly from any Laulima page by clicking on *Request Assistance* link at the bottom of the page.

Accessibility at UH and software accessibility information:

- University of Hawai‘i’s accessibility policies and services are available at the following link: [Accessibility at UH](#).
- To access the accessibility information for each software used in the course, follow the links below:
 - [Macintosh Accessibility Info](#)
 - [Laulima Accessibility Info](#)
 - [Mozilla Firefox Accessibility Info](#)
 - [Microsoft Office Accessibility Info](#)
 - [Adobe Acrobat Reader Accessibility Info](#)

SUPPORT SERVICES AND RESOURCES FOR STUDENTS

Tutorial services

Tutorial services are offered free of charge and open to all WCC students currently enrolled. Tutoring may be long-term, short-term, or single visit, depending upon the needs of the student. To sign up for a tutor, refer to one of the many programs listed below:

- **Tutor.com:** The University of Hawaii Community Colleges offers free online, on-demand tutoring, through [Tutor.com](#).
- **TRiO Student Support Services (TRiO SSS):** The purpose of [TRiO SSS](#) is to provide services (everything from tutoring to filing taxes to financial aid and food) and to foster an institutional climate supportive of the success of low-income, first-generation, and/or disabled college students.
- **Ho‘onui Ike:** [Ho‘onui Ike](#) is an academic assistance program that utilizes peer-assisted study and coaching sessions.
- **Ka Piko Student Success Services:** [Ka Piko Student Success Services](#) are free to all WCC students and consist of the following resources (please follow the links below for more information):
 - [Math Lab](#)
 - [Writing Center](#)
 - [Speech Lab](#)
 - [Supplemental Instruction](#) (SI)
 - [Peer Mentoring Center](#)

Other student services

- [WCC Library](#), located in Hale La‘akea, provides access to printed and digital books, periodicals, articles, and more. In addition, it provides access to video and audio

resources, as well as computers (free loaner laptops), individual and group study areas and rooms.

- [WCC Bookstore](#): textbooks, computers, software, food items and more can be purchased here.
- [Testing Center](#) (located in Hale La‘akea) provides test proctoring services for placement tests, distance education online and written tests and make-up tests for campus courses.
- WCC [Counseling and Advising](#) department, located in Hale ‘Ākoakoa 212, is comprised of college counselors, faculty and support staff who work to support students’ personal and academic growth and development.
- WCC [Mental Health and Wellness](#) provides a range of counseling services and activities on campus to support students’ life goals and academic goals.
- [Disabilities Services](#), located in Hale La‘akea 232, provides information and services to students with disabilities in order to perform functions that might otherwise be difficult or impossible. Testing and academic accommodations can include the following: tape recorded material, note takers, use of adaptive equipment and more.

MYSUCCESS

Students may be referred for extra help or advising through MySuccess. Students can also explore resources at MySuccess.Hawaii.edu and windward.hawaii.edu/MySuccess

DISABILITIES ACCOMMODATIONS

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Jodi Asato can be reached at (808) 235-7472, jodiaka@hawaii.edu, or you may stop by Hale Kāko‘o 105 for more information.

Jodi A.-K. Asato
Counselor, Disability Student Services Office
Windward Community College
Phone: (808) 235-7472
Email: jodiaka@hawaii.edu

Website: [Windward CC Disability Student Services Office](#)

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)

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:

UH Confidential Advocate
Phone: (808) 348-0663
Email: advocate@hawaii.edu

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 ‘Alaka‘i 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/

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 use of quotes or summarizing with reference to the original author.

Students can upload papers to <http://www.TurnItIn.com> to have papers checked for authenticity, highlighting where the paper potentially fails to appropriately reference sources.

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.

For more information, students are encourage to review [UH Student Conduct Code](#).

ALTERNATE CONTACT INFORMATION

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

Location: Alakai 121
Phone: 808-235-7422
Email: wccaa@hawaii.edu

APPENDIX

Student Responsibilities and Expectations

The student is expected to read all assigned reading materials, participate in all course activities, and complete all assignments on time.

Any changes in the course schedule, such as deadlines, etc., will be announced ahead of time on Lulima. It is the student's responsibility to be informed of these changes.

It is the student's responsibility to be informed about deadlines critical to making registration changes (e.g., last day of erase period and last day for making an official withdrawal).

Students should expect a level of difficulty comparable to other 200-level science lab classes intended for non-science majors. When difficult concepts and detailed information are presented, it is the student's responsibility to take the appropriate steps to learn and understand these concepts and information.

Science courses at WCC generally require two to three hours of independent private study time for each hour in class. However, because of the nature of the material presented in OCN 201L, more study time may be required (depends upon the student's science background). It is the student's responsibility to allocate the appropriate time needed for study in an environment conducive to quality study. The student must budget time efficiently and be realistic about all personal and professional commitments that consume time.

How to Succeed in This Class

Understanding any science involves understanding many difficult concepts and vocabulary, not just knowing facts. The student should know that the details to these concepts are important. In addition, the student will be introduced to hundreds of new words. In some cases, words that are familiar in a context other than ocean science will be introduced in the context of oceanography.

The student will need to understand and use these terms in an oceanographic context.

Students are expected to participate in all course activities and complete all course assignments on time.

The student will not succeed in this class without reading all assigned readings and taking careful notes.

The student should ask the instructor to explain the things that the student does not understand.