

UNIVERSITY OF VICTORIA  
Department of Biology & School of Earth and Ocean Sciences

BIOLOGICAL OCEANOGRAPHY  
BIOL 311 (CRN: 10390) / EOS 311 (CRN: 11507) Fall 2023

## Course Outline

**Lead Instructor:** Roberta Hamme

**Instructor:** Shea Wyatt  
**Email:** [snwyatt@uvic.ca](mailto:snwyatt@uvic.ca)  
**Office:** Bob Wright Center (BWC) A403  
**Office Hours:** Mondays and Thursdays that I teach 2:30-3:00pm

Olivia Melville ([oliviamelville@uvic.ca](mailto:oliviamelville@uvic.ca))  
B02 Weds 2:30 pm & B06 Fri 8:30 am Eva MacLennan ([evamegan@uvic.ca](mailto:evamegan@uvic.ca))  
B03 Thurs 2:30pm : Matt Miller ([mattmiller@uvic.ca](mailto:mattmiller@uvic.ca))  
B04 Fri 2:30pm : Liam Hubbert ([lhubbert@uvic.ca](mailto:lhubbert@uvic.ca))

**Prerequisites:** One of CHEM 101 or 150; CHEM 102; Two of MATH 100, 101, 102, 109, 151; One of PHYS 102, 102A & 102B, 110 & 111, 112, or 120 & 130. Minimum third-year standing.

**Inclusion and Accessibility:** The University of Victoria is committed to creating a learning experience that is as accessible as possible. If you anticipate or experience any barriers to learning in this course, please discuss your concerns with us. If you have a disability, learning challenge, or chronic health condition, or think you may have one of these, we encourage you to meet with an advisor at the Centre for Accessible Learning (CAL) as early in the term as possible. You can find more information about CAL at <https://www.uvic.ca/accessible-learning/>.

**Territory Acknowledgment:** We acknowledge and respect the Indigenous peoples on whose traditional territory the university stands and the Songhees, Esquimalt, and WSÁNE peoples whose historical relationships with the land continue to this day.

**Illness:** Please **DO NOT** attend any in-person activity (class, labs, or field trip) for any reason if you feel unwell (especially sore throat, runny nose, fever and/or chills, recent onset of coughing, or diarrhea) even if you have tested negative for COVID-19.

If you need to miss any in-person activity due to illness, inform as soon as possible the instructor for the day about classroom sessions missed and the Senior Lab Instructor (Casey) about lab or field activities. For classroom activities, you will be able to earn discussion participation marks by turning in written answers to the questions and you can receive an extension for Brightspace assessments. For labs, expect to complete an alternate assignment if you cannot participate in the scheduled lab activity. If you miss activities without contacting the instructors, you will receive zero for those activities (including labs).

**Mental Health and Wellbeing:** A note to remind you to take care of yourself. Diminished mental health can interfere with optimal academic performance. Do your best to engage in self-care and maintain a healthy lifestyle this term. This will help you achieve your goals and cope with stress. All of us benefit from support during times of struggle. **You are not alone.** The source of symptoms might be related to your course work; if so, please speak with us, your instructors. However, other parts of your life can also contribute to decreased academic performance. The [UVic Student Wellness Centre](#) provides cost-free and confidential mental health services to help you manage personal challenges that impact your emotional or academic well-being.

**Class recordings:** Classroom sessions in this course will be recorded to allow students who are ill to watch later. The microphones in our classroom pick up individual conversations around the room clearly unless many people are speaking at once. These recordings will be made available on a case-by-case basis during the term and to everyone just before exams. Students who have questions or concerns regarding class recording and privacy may contact [privacyinfo@uvic.ca](mailto:privacyinfo@uvic.ca). Auto-generated captioning is enabled for recordings in this course. Automated captioning is only 70-90% accurate and will include errors depending on the subject matter, speaker, audio quality, etc. Words prone to error include specialized terminology and proper names. Please refer to the audio feed for clarification of errors. If you find captioning that is offensive, please make your instructor aware.

**Course activities:**

**Classroom:** This course will be primarily taught in-person, though we'll have two "classes" taught via recorded videos overlapping with our at-sea field work. Classroom sessions will typically consist of lectures combined with activities / exercises designed to reinforce the material.

***Essential Course Requirements:*** At minimum, you must complete the final exam and all three parts of the Strickland Cruise Report to pass the course. Students must also achieve a passing grade ( 50%) in each of the lecture component and the laboratory component to pass the course. Students who do not complete at least these requirements will be assigned an N in the course and a maximum grade of 49%.

All requests for Deferred Status for the Final Exam must be made through the Office of the Registrar on a Request for Academic Concession form.

**Academic regulations:** Please refer to the [2023-09 UVic Calendar](#), particularly to the Undergraduate and Faculty of Science sections, regarding your rights and obligations. It is **YOUR** responsibility to attend to ADD/DROP dates published in the Calendar. Your instructors cannot drop you from a course that you do not attend. It is also **YOUR** responsibility to check your records and registration status.

**Academic Integrity:** Academic integrity requires commitment to the values of honesty, trust, fairness, respect, and responsibility. It is expected that students, faculty members, and staff at the University of Victoria, as members of an intellectual community, will adhere to these ethical values in all activities related to learning, teaching, research, and service. Any action that contravenes this standard, including inappropriate sharing of work, misrepresentation, falsification, or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community. UVic has a policy on academic

**BIOL/EOS 311 Module Topics and Course Schedule**

<b>Date</b>	<b>Lecture Topics (CLE A127)</b>	<b>Instructor</b>	<b>Lab Topics (BWC B118)</b>
<b>Th - Sept 7</b>	<i>Introduction to the course &amp; FIRST DAY OF LABS</i>	<i>Roberta</i>	<i>1 Intro to Lab and Oceanographic Data</i>
<b>M - Sept 11</b>	<i>Productivity and Limiting Factors</i>	<i>Roberta</i>	
<b>Th - Sept 14</b>	<i>The Role of Light I</i>	<i>Shea</i>	<i>2 Saanich Inlet Intro &amp; Cruise Preparation</i>
<b>M - Sept 18</b>	<i>The Role of Light II</i>	<i>Shea</i>	
<b>Th - Sept 21</b>	<i>No Class</i>	<i>Roberta</i>	<i>3 Strickland Cruises (21 Sept - 1 Oct)</i>
<b>M Sept 25</b>	<i>Video Modules Saanich Inlet &amp; Nutrient Dynamics I</i>		
<b>Th Sept 28</b>			
<b>M Oct 2</b>	<i>No Class Day for Truth and Reconciliation</i>	--	<i>4 Chlorophyll Analysis &amp; CTD data overview</i>
<b>Th Oct 5</b>	<i>Saanich &amp; Nutrient Dynamics II</i>	<i>Roberta</i>	
<b>M Oct 9</b>	<i>No Class Thanksgiving</i>	--	<i>5</i>