

## OCES/LIFS 3330 MARINE BIOLOGY LAB

*The schedule provided is provisional subject to change.*

Week	Tutorial/Laboratory Class/ Field Trip	Remarks
1	Course Introduction and logistics <b>Lecture: Rocky &amp; Boulder Shore Ecology</b>	
2	<b>Field Trip (I): Boulder Shore Survey</b>	<b>Field Site: Boulder shore on campus</b>
3	<b>Lecture: Mudflat &amp; Mangroves in Hong Kong</b> Data Analysis from Field Trip (I)	
4	<b>Public Holiday</b>	
5	Lab 1: Seawater Properties	
6	<b>Field Trip (II): Mudflat &amp; Mangrove Survey</b>	<b>Field Site: Kei Ling Ha Lo Wai</b>
7	Preparation of Group Project Presentation & Data Analysis from Field Trip (II)	
8	Lab 2: Phytoplankton, Zooplankton, and Plankton Ecology	<b>Field Site: HKUST pier</b>
9	Lab 3: Lower Invertebrate Phyla: Porifera, Cnidaria, Annelida	Dissection kit will be provided.
10	Lab 4: Marine Mollusca: Bivalvia and Cephalopods	Dissection kit will be provided.
11	Lab 5: Marine Arthropoda, Echinodermata and Fishes	Dissection kit will be provided.
12	<b>Group Project Presentations</b>	<ul style="list-style-type: none"><li>• 15 minutes per group</li><li>• Submission deadline of <b>TWO</b> field trip</li></ul>
13	Course Review	Return of all field trip and lab reports for revision

### Course Intended Learning Outcomes:

On successful completion of this course, students are expected to be able to:

1. Appraise the diversity, form and function of marine organisms.
2. Explain the key concepts, principles and practices in marine biology.
3. Conduct experiments and gather reliable data (qualitative and quantitative), both in the field and the laboratory.
4. Collaborate with peers to identify marine organisms using reference books and other resources, and to carry out broader literature searches.
5. Use a variety of methods to present data, including written reports and oral presentations.

**Assessment (Total: 100%)**

- Individual lab reports (5) 12%
- Group field trip reports (2) 20%
- Group Project presentations (1) 10%
- Final exam (1) 48%
- Continuous assessment 10% (attendance, questions in app, attitude of studies, etc.)