

2025 Marine Ecosystems (Fall)

海洋生態學

This is an introductory course on Marine Ecosystems. In weeks 1 to 9, we will use “Kaiser et al. (2011) *Marine Ecology, process, systems, and impacts*. Oxford University Press” as a textbook. In addition to the textbook, some published papers might be introduced depending on the lecturer. In weeks 10 to 16, we will invite experts to introduce the latest studies and have a half-day trip to National Museum of Marine Science and Technology (Week 11).

Students are expected to prepare for the lecture by reading the textbook and papers given by each lecturer in advance. There is no examination in this lecture course, and the final grade will be given based on attendance (50 points), assignment (30 points), and participation (20 points).

As for reading materials and assignments for each lecture, lecturers will provide or inform students at least one week before the lecture. If there is any question, please contact Tzu-Hao Lin (Harry) (lintzuhao@gate.sinica.edu.tw).

Wednesday 14:00-17:00				Room 101, 1 F, Green House Building, BRCAS
Date		Lecturer	Theme	
week 1	9/3	Tzu-Hao Lin	/	Introduction
week 2	9/10	Chien-Hsiang Lin	Topic	Polar regions
week 3	9/17	Chien-Hsiang Lin	Topic	Deepsea
week 4	9/24	Chien-Hsiang Lin	Topic	Fisheries
week 5	10/1	Chien-Hsiang Lin	Expert lecture 1	Fish fossils
week 6	10/8	Che-Hung Lin	Topic	Coral reef
week 7	10/15	Tzu-Hao Lin	Topic	Estuaries and sandy shores
week 8	10/22	/	/	Mid-term exam week, no class
week 9	10/29	Tzu-Hao Lin	Topic	Climate change and pollution
week 10	11/5	Konstantin Khalturin	Expert lecture 2	Cnidarians as model systems Classroom: B204, BRC Building
week 11	11/12	Tzu-Hao Lin	Taiwan Marine Ecosystem	A half day tour to the National Museum of Marine Science and Technology
week 12	11/19	Benny Chan	Expert lecture 3	Coral symbiotic barnacles and host-usage
week 13	11/26	Che-Hung Lin	Expert lecture 4	Chronobiology on the Reef
week 14	12/3	Hui-Yu Wang	Expert lecture 5	Population demography
week 15	12/10	Allen Chen	Expert lecture 6	Coral evolution and phylogeography in East Asia: Pivotal role of Taiwan
week 16	12/17	Tzu-Hao Lin	Expert lecture 7	Marine ecoacoustics