Course Syllabus

BI 111
Introduction to Marine Life in the Sea: Marine Habitats
Itchung Cheung itchung.cheung@oregonstate.edu

Winter Quarter Class meeting times:
Monday (1/30), 5-6:20 PM – Nash Hall 204 Lecture
Saturday-Sunday (2/4-5), entire weekend – Hatfield Marine Science Center

Course Fee: $42.50 for transportation, housing and meals.

Course Description:
A field-focused learning experience, this inquiry-based course is a basic overview of the marine life and environment on the Oregon coast, including rocky shores, sandy beaches, mud flats, bays, estuaries, and watersheds. Through lectures, lab and field exercises, students will examine important marine organisms in their habitat; exploring their ecological niches and adaptations to their environment along the Oregon coast.

1 credit unit. P/NP: Lecture (9hrs), Labs (8hrs). Labs will include field observations.

Prerequisites: High school biology and chemistry.

Measurable Student Learning Outcomes:
The successful student will be able to:

a. Define multiple research fields within marine science and examine how these interdisciplinary relationships are addressing different research questions.
b. Identify and describe major marine habitats and taxa.
c. Describe and explain basic trophic relations in the marine environment
d. Illustrate adaptations of major marine organisms in marine habitats: Rocky Intertidal, Estuary and Mudflats, Open Ocean.

Evaluation of Student Performance:
Student evaluation for the course will be based on quizzes (20%), lab/field journal (25%), field participation (25%), discussions (10%) and group projects (20%).

Learning Resources:
Rite in the Rain field notebook
Introduction to the Biology of Marine Life by James L. Sumich and John F. Morrissey (Optional)

Schedule of Topics:

On main OSU campus: 1/30 (Monday Evening): Course orientation and lecture (1.5 hours)

On HMSC campus:
Saturday:
Discussion: Adaptations in Marine Habitats
Field Experience: Rocky Intertidal/Sandy Shore
Wet Lab Exploration
Lunch on Newport Historic Bayfront
Plankton Collection
Field Experience: Docks
Wet Lab Exploration

Sunday:
Dinner/Movie
Discussion: Fouling Communities, Plankton, and Estuaries
Field Experience: Estuary/Mudflat
Wet Lab Exploration
HMSC Visitor Center
Leave for Corvallis (~6:00 pm)
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Disabilities Statement
Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at http://ds.oregonstate.edu. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

Equality in the Course
The instructor(s) are dedicated to establishing a learning environment that promotes diversity of all students’ races, cultures, genders, sexual orientations and physical abilities. If you notice discriminatory behavior, or if you feel discriminated against, please bring it to the attention of the instructor(s).

Academic Integrity
The instructor(s) will hold you accountable to the highest standards of academic integrity. Please read and understand the policies on academic integrity as published on the OSU website: http://studentlife.oregonstate.edu/studentconduct/offenses-0.

IACUC and safety
The course will include different field and lab exercises. It is important that students take note of safety instructions provided by instructors and safety officers.