



OREGON STATE UNIVERSITY

SUMMER 2023 - SESSION 4

July 24 - August 18, 2023

COASTAL OCEANOGRAPHY

OC 332 (CRN 74939),
3 CREDITS, T/TR 8:30AM-11:50AM

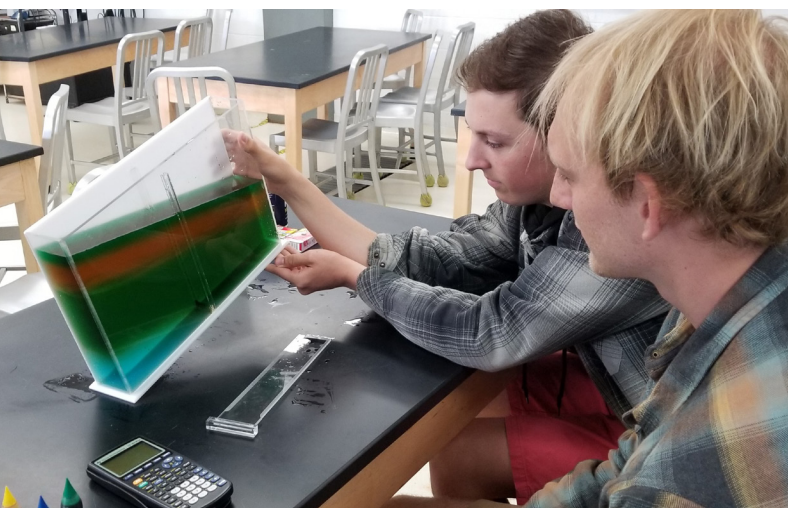
Course Description: Examines aspects of the physics, geology, biology and chemistry of the coastal ocean. Describes and explains fundamental features and processes of the coastal ocean, including waves, tides and tsunamis, beach erosion, wind-driven upwelling, river input, El Niño and climate change. Uses and analyzes online data sources to gain experience interpreting and displaying data about conditions in the coastal ocean. Evaluates relationships between wind, waves, seasonal forcing and the response of the coastal ocean to predict the short- and long-term variability. Examples presented from the Pacific Northwest.

Field trip on Yaquina Bay onboard the coastal research vessel *Elakha* on August 12, 2023.

Instructor: Jack Barth, Ph.D. Executive Director, Marine Studies Initiative-Professor, College of Earth, Ocean and Atmospheric Sciences, Oregon State University

Visit classes.oregonstate.edu for more information. Course subject to change.

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Additional course information: classes.oregonstate.edu