# Marine Animal Life Cycles and Development (Fall 2024)

Faculty: Pauline C. Yu
Required course for the **Certificate in Marine Bioresources**

4 credits in Fisheries Biology: Life Histories and Populations

Evening and Weekends Hybrid offering:
Synchronous online Mondays: 6-7:30pm
Asynchronous recorded lectures 1-2x weekly
Required in-person labs/field trips: Saturdays 9am-4pm, Oct 5, Oct 26, Nov 15

Anticipated Fees: $50-60 required lab fee
Prerequisites: 1 quarter of General Biology OR 2 quarters of Environmental Studies (with marine/aquatic content)

Reliable internet access for use of Zoom and Canvas materials, as well as digital resources provided through the Evergreen Library will be a requirement for this course.

Description:

Marine animals have a diversity of life cycles, from simple to complex. The principles of development and life history are relevant to the successful and sustainable management of these organisms. This core certificate 4-credit offering is focused on the fundamentals of finfish and shellfish life cycles and development for both wild population and husbandry management. Students will learn about the diversity of strategies that organisms have evolved in order to adapt to their environment for population maintenance. The life history and population biology of marine animals of subsistence and economic significance in the Pacific Northwest will be the focus of this course, providing a broader understanding of habitat requirements for sustaining wild and cultivated species.

This course, and the Marine Bioresources Certificate offering from Evergreen will help students be prepared for work in hatcheries and habitat management that oversee marine animals of economic, subsistence and ecosystem importance in the Pacific Northwest.