

SPRING 2023

Evolutionary Ecology of Marine Mammals

FISH 497B **MWF 12:30–1:20 pm**

- Explore the diverse and integral ecological roles played by marine mammals in our global aquatic ecosystems, from coastal and riverine to open ocean and deep ocean environments.
- Examine the major evolutionary adaptations driving the radiation of mammals into the aquatic environment and into a diverse array of ecological niches.
- Consider the evolutionary strategies and ecological roles that are used by marine mammals and how those roles help shape aquatic ecosystems.
- Learn about ecological concepts such as food web dynamics, predator-prey interactions, and trophic cascades; animal movements and distributions; community assemblages; and ecological drivers of isolation, divergence, and mixing.
- Consider our own species' role in the evolutionary ecology of marine mammals.

Instructor Amy Van Cise, Assistant Professor
School of Aquatic & Fishery Sciences

Pre-reqs Marine Biology/Ecology (FISH 250,
BIOL 220, FISH 270, FISH 311, or equiv);
Scientific Writing (FISH 290,
MARBIO 205, FHL 333, or equiv)



SCHOOL OF AQUATIC AND FISHERY SCIENCES
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