

MARINE FISHERIES
FW 465 / 565

CREDIT HOURS: 4
TERM OFFERED: Fall, alternate years (F13, F15, ...)
INSTRUCTOR: David Sampson, Professor of Fisheries

COURSE OVERVIEW

A fishery is often defined as “the business of catching fish”. Understanding how a fishery works or fails to work involves much more than just knowing the biology of the fish. It is also very important to understand the fishers, their fishing technologies, and the management agencies that monitor and attempt to control fishing activities. In this course the instructor will use case studies of historic and current fisheries to explore the various dimensions of fisheries. The instructor will conduct the first half of the course; the students will present their own fishery case studies during the second half. Lectures will be televised live to the main campus via a two-way video system from the Hatfield Marine Science Center in Newport. Students are welcome to attend class at either location.

COURSE OBJECTIVES

- To explore in detail with case studies some different marine fisheries and to illustrate their special biological, oceanographic, and technological characteristics.
- To investigate how these special attributes influence our ability to assess and manage these fisheries effectively.
- To examine applications of models of population dynamics and methods of fish stock assessment to some commercially important fisheries.

PREREQUISITES: FW 315 (*Ichthyology*) or equivalent, or consent of the instructor.

TEXT: No assigned text. Collections of recommended readings will be available from the course Blackboard site.

TERM PAPERS: One paper and one oral presentation on fishery of your own choosing.

GRADING: Oral presentation (20%), term paper (20%), midterm exam (20%), final exam (20%), assignments (10%) and class participation (10%).

THE COURSE IS INTENDED FOR: Undergraduate and graduate students in Fisheries or graduate students in the Marine Resource Management program.