FISHERIES AND AQUATIC SCIENCES

Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings.
More Info (http://registrar.ufl.edu/soc/)

Courses at the University of Florida, with the exception of specific foreign language courses and courses in the online Master of Arts in Mass Communication program, are taught in English.

Courses

FAS 2024 Sustainable Fisheries 3 Credits
Grading Scheme: Letter Grade
Fish biology, ecology, and habitats relevant to fisheries on both a global and regional (Florida) scale. Follows the fisheries occurring from cold mountain rivers to the depths of the oceans, with special topics (e.g., artificial reefs, fisheries bycatch, and aquaculture). Intended for non-science and science majors.
Attributes: General Education - Biological Science

FAS 4202C Biology of Fishes 4 Credits
Grading Scheme: Letter Grade
The general biology of fishes, with emphasis on trends in their evolution, integrative and sensory biology, physiology, feeding ecology, reproduction, growth and population dynamics as they relate to fisheries.
Prerequisite: BSC 2011 and BSC 2011L.

FAS 4270 Marine Ecological Processes 3 Credits
Grading Scheme: Letter Grade
The ecology of marine organisms and habitats with focus on how general ecological principles, and those unique to the marine environment, drive patterns and processes.
Prerequisite: BSC 2010 and BSC 2011 or equivalent.

FAS 4305C Introduction to Fishery Science 3 Credits
Grading Scheme: Letter Grade
Principles of fish management in freshwater and marine systems. Includes field and laboratory techniques for aquatic habitat and fishery resource assessment, aquaculture practices and consideration of contemporary issues pertinent to sport and commercial uses of renewable fisheries resources.
Prerequisite: refer to the department.

FAS 4405 Aquariums, Water and Aquaculture 3 Credits
Grading Scheme: Letter Grade
Culture methods of fish and shellfish, species selection, biological and environmental principles, case histories and future trends.
Prerequisite: BSC 2010 and BSC 2010L, or instructor permission.

FAS 4900 Supervised Extension Experience in Fisheries and Aquatic Sciences 0-3 Credits
Grading Scheme: S/U
Firsthand, authentic Extension experiences in fisheries and aquatic sciences under the supervision of a faculty member. Projects may involve program planning, development, implementation, and evaluation. (S-U)

FAS 4905 Individual Study 1-4 Credits
Grading Scheme: Letter Grade
Individual study of a selected topic in fisheries and aquatic sciences as contracted with the instructor at the start of the term.
Prerequisite: instructor permission.

FAS 4911 Supervised Research in Fisheries and Aquatic Sciences 0-3 Credits
Grading Scheme: S/U
Firsthand, authentic research in fisheries and aquatic sciences under the supervision of a faculty member. Projects may involve inquiry, design, investigation, scholarship, discovery or application. (S-U)

FAS 4915 Honors Thesis Research in Fisheries and Aquatic Sciences 0-3 Credits
Grading Scheme: S/U
Independent research in fisheries and aquatic sciences leading to an honors thesis. Student will be mentored by a faculty member. Projects may involve inquiry, design, investigation, scholarship, discovery or application. (S-U)
Prerequisite: junior standing, upper division GPA of 3.75 or higher and completed honors thesis proposal on file.

FAS 4932 Topics in Fisheries and Aquatic Sciences 1-4 Credits
Grading Scheme: Letter Grade
Selected topics in fisheries biology, aquaculture and associated aquatic sciences not offered in other courses.
Prerequisite: instructor permission.

FAS 4933 Seminar in Fisheries and Aquatic Sciences 1 Credit
Grading Scheme: Letter Grade
Introduces undergraduate students to contemporary topics in the field of fisheries and aquatic sciences, and develops their listening and writing skills.

PEN 1136 Openwater Scuba Diving 2 Credits
Grading Scheme: Letter Grade
Beginning scuba diving including compass navigation, openwater diving environment, dive preparation and five openwater dives. Payment of required additional course fees and successful completion results in national certification as Openwater Scuba Diver.
Prerequisite: swim test.

PEN 2138C Advanced Scuba Diving 3 Credits
Grading Scheme: Letter Grade
Course provides advanced SCUBA training. Topics include physics, physiology, decompression, and oceanography/ecology. Pool sessions cover rescue, double cylinders, full facemasks, night/limited visibility techniques, search, recovery, salvage techniques, and underwater task loading. Completion results in NAUI certification in Advanced SCUBA, Enriched Air Nitrox, SCUBA Rescue, First Aid, CPR, and Oxygen Provider.
Prerequisite: PEN 1136 or equivalent.

PLS 4613 Aquatic Weed Control 3 Credits
Grading Scheme: Letter Grade
Florida's aquatic weed problems and methods of chemical, biological, mechanical and physical weed control. Topics include plant biology/ecology, herbicide residue, lake reclamation, fish-plant interactions and laws regulating aquatic weed control.
Prerequisite: refer to the department.