

COURSES

FISH AND WILDLIFE

FWL-124 Wildlife Botany

Lec 2 Lab 3 Clinic 0 Credit 3

This course introduces the classification, physiology, and morphology of plants as needed in fish and wildlife management. Emphasis is placed on plant structures, reproduction, growth, and the economic and ecological importance. Upon completion, students should be able to demonstrate knowledge of the plant kingdom.

Co-Requisites: None

Pre-Requisites: None

FWL-126 Wildlife Ornithology

Lec 2 Lab 3 Clinic 0 Credit 3

This course includes the biology, classification, recognition, distribution, and management of game and non-game birds. Topics include anatomy, physiology, morphology, ecology, behavior, identification, and taxonomy with emphasis on waterfowl and upland game species. Upon completion, students should be able to identify various avian species and demonstrate a knowledge of their biology, ecology, and management.

Co-Requisites: None

Pre-Requisites: None

FWL-142 Wildlife Management

Lec 2 Lab 3 Clinic 0 Credit 3

This course introduces the principles of wildlife management, including basic concepts, terminology, and techniques important to wildlife managers. Topics include a review of the history of wildlife management, ecological principles, an introduction to wildlife habitat requirements, and population dynamics. Upon completion, students should be able to understand and discuss the life history, management techniques, and habitat requirements of North American species.

Co-Requisites: None

Pre-Requisites: None

FWL-212 Wildlife Policy & Law

Lec 2 Lab 0 Clinic 0 Credit 2

This course covers natural resource policies and laws developed by various governmental agencies. Topics include current political issues involved in resource management and the principles, techniques, and jurisdictional boundaries in the field of wildlife law enforcement. Upon completion, students should be able to identify, describe, and assess the influences of policies and laws on natural resource management.

Co-Requisites: None

Pre-Requisites: None

FWL-222 Wildlife Mammalogy

Lec 2 Lab 3 Clinic 0 Credit 3

This course includes the biology, classification, recognition, distribution, and management of game and non-game mammals. Topics include anatomy, physiology, morphology, ecology, behavior, identification and taxonomy with emphasis on game species. Upon completion, students should be able to identify various mammalian species and demonstrate a knowledge of their biology, ecology, and management.

Co-Requisites: None

Pre-Requisites: None

FWL-224 Ichthyology

Lec 1 Lab 2 Clinic 0 Credit 2

This course introduces fresh and saltwater fish species. Emphasis is placed on identification of fish. Upon completion, students should be able to recognize sport, commercial, and environmentally unique fish species.

Co-Requisites: None

Pre-Requisites: None

FWL-232 Terrestrial Ecology

Lec 2 Lab 3 Clinic 0 Credit 3

This course introduces a wide variety of terrestrial life forms and habitats. Emphasis is placed on the biotic and abiotic factors affecting wildlife species. Upon completion, students should be able to explain the relationships between plants and animals, apply various floral and faunal sampling methods, and understand statistical applications.

Co-Requisites: None

Pre-Requisites: None

FWL-234 Aquatic Ecology**Lec 2 Lab 3 Clinic 0 Credit 3**

This course introduces a wide variety of aquatic life forms and habitats. Emphasis is placed on freshwater invertebrates, fish and plants of importance in fishery management, and biological monitoring. Upon completion, students should be able to sight identify key invertebrates and fishes and be familiar with aquatic plants and habitats.

Co-Requisites: None**Pre-Requisites:** None**FWL-242 Fishery Management****Lec 2 Lab 3 Clinic 0 Credit 3**

This course covers the biology and management implications for various species of fish with commercial, sport, and/or ecological value. Emphasis is placed on principles and methods of population management. Upon completion, students should be able to demonstrate an understanding of the anatomy, physiology, age and growth studies, and management techniques for various fish species.

Co-Requisites: None**Pre-Requisites:** None**FWL-252 Wildlife Management Techniques****Lec 2 Lab 3 Clinic 0 Credit 3**

This course covers the theory and application of current wildlife management techniques. Emphasis is placed on field techniques which are most commonly used by resource management agencies today. Upon completion, students should be able to apply various wildlife management techniques and safely operate and maintain a variety of equipment.

Co-Requisites: FWL-254**Pre-Requisites:** None**FWL-254 Habitat Manipulation****Lec 2 Lab 3 Clinic 0 Credit 3**

This course is a study and application of management practices beneficial to wildlife. Emphasis is placed on methods for increasing food production, developing water sources, increasing cover requirements, and improving wetlands. Upon completion, students should be able to demonstrate an understanding of techniques and methods to manipulate wildlife habitats. This is the capstone course for the Fish and Wildlife Technology A.A.S. degree program.

Co-Requisites: FWL-252**Pre-Requisites:** FOR-121 FWL-142 ENG-111;