

ENVIRONMENTAL/NATURAL RESOURCE (EVNR)

EVNR 1010 Introduction to the Environment 2 Credits

This course is an introduction to renewable natural resources and basic concepts of their management. emphasis is placed on researching and interpreting scientific information in soils, water, range, forests, wildlife, and fisheries. Students will also be introduced to various academic and career opportunities available in the field.

EVNR 2200K Introduction to Soils 4 Credits

This course is a study of the physical, chemical, and biological properties of soils with an emphasis on applications to natural resource planning, conservation, and management. Laboratory will focus on techniques for analyzing soils, soil maps, and landscape characteristics. Laboratory Fee

EVNR 3000 Ecology 3 Credits

A study of the interrelationship of organisms with their physical and biological environment. Topics include an exploration of adaptations, population structure and dynamics, organization and classification of communities, and nutrient and energy flows in ecosystems.

Co-requisite(s): EVNR 3000L

EVNR 3000L Ecology Lab 1 Credit

A study of the interrelationship of organisms with their physical and biological environment. Topics include an exploration of adaptations, population structure and dynamics, organization and classification of communities, and nutrient and energy flow in ecosystems. Laboratory will focus on techniques for measuring and analyzing ecological variables. Laboratory Fee.

Co-requisite(s): EVNR 3000

EVNR 3200 Botany 3 Credits

The course is a comprehensive introduction to the biology of plants. The structure, physiology, and growth of plants will be examined with special emphasis placed on adaptations, in an evolutionary context and in terms of real-time solutions to local conditions. Students will read and review original research papers on specific topics related to plant ecology in temperate forests.

Co-requisite(s): EVNR 3200L

EVNR 3200L Botany Lab 1 Credit

Laboratory Component of EVNR 3200. Lab examines local flora and fauna of Georgia. Students will be able to identify major plants and taxonomic groups in the state of Georgia.

Co-requisite(s): EVNR 3200

EVNR 3310 Natural Resource Policy & Management 3 Credits

This course is a study of state and federal statutes and regulations that govern the use and protection of natural resources. Includes a study of how policy is developed, implemented, and evaluated in the public and private sectors.

EVNR 3450 Scientific Communication 3 Credits

An exploration of the process and practice of scientific research that leads to publication and professional scientific presentation. A focus will be on how scientists critique scientific literature, prepare research for peer review both in scholarly journals and academic conferences and communicate research to a non scientific crowd.

EVNR 3530 Outdoor Recreation & Management 3 Credits

this course will introduce students to the philosophy, principles, and practices underlying outdoor recreation management by examining agency land management and program and administration. Outdoor recreation behavior issues and human environment interactions will also be discussed.

EVNR 3650 Intro to GIS 3 Credits

This course explores the concepts of spatially referenced data presented with geographic information systems (GIS), and examines the creation, usage, and interpretation of GIS data. Topics include map projections, coordinate systems, and geographic databases. Students will gain hands-on experience through assignments and projects employing the use of GIS software

EVNR 3710 Wildlife Management 3 Credits

This course focuses on the natural history, biology, and conservation of wildlife managed by natural resource agencies. Topics include distribution and abundance, habitat requirements, life-history characteristics, and best practice management techniques to help maintain healthy wildlife populations.

EVNR 3800K Aquatic Ecology 4 Credits

This course will examine the physical, chemical, and biological processes occurring in lakes, streams, and wetlands. The ecology of aquatic ecosystems and the communities they support will be emphasized. Laboratory will include identification of and sampling techniques for native aquatic plant and animals. Laboratory Fee

EVNR 3950 Quantitative Methods in EVNR 3 Credits

This course introduces applied Quantitative Methods frequently used in environmental and natural resources research. Topics include experimental design, data and statistical analysis, and common measurement techniques for land, water, vegetation, and animal habitats.

EVNR 4000K Hydrology 4 Credits

Examination of groundwater and hydrologic cycles. Topic will include forest hydrology, watershed management, wetlands and wetland delineation, groundwater flow and impacts. Emphasis will be places on southeastern hydrology. Laboratory will focus on hands-on and sampling techniques in hydrology. Laboratory Fee.

EVNR 4130 Conservation Biology 3 Credits

A case-study based course in which students will explore, study, and discuss modern conservation biology. Topics include investigation of biodiversity through time and space, threats to biodiversity, and how biodiversity can be managed using cross-disciplinary approaches.

EVNR 4200K Forest Ecology 4 Credits

This course is an overview of the ecological interactions crucial to understanding forest ecosystems, with an emphasis on the forests of Georgia and the Southeast. Students will be introduced to topics in silviculture, dendrology, fire ecology, plant/animal interactions, and conservation issues. Laboratory will focus on field study techniques and data collection and analysis. Laboratory Fee.

EVNR 4220K Ornithology 3 Credits

The scientific study of birds with an emphasis on natural history, systematics, taxonomy, and methods for studying in the field. Laboratory Fee.

EVNR 4240K Ichthyology 3 Credits

The scientific study of fishes with an emphasis on natural history, systematics, taxonomy, and methods for studying in the field. Laboratory Fee.

EVNR 4260K Herpetology 3 Credits

The scientific study of amphibians and reptiles with an emphasis on natural history, systematics, taxonomy, and methods for studying in the field. Laboratory Fee.

EVNR 4330 Sustainability EVNR Natural Re 2 Credits

This course is a study of the human and societal impacts on environmental and natural resources. Students will investigate complex issues of environmental sustainability focused on the needs of future generations and preservation of the natural world

EVNR 4410 Fisheries Management 3 Credits

This course examines the principles and theory of fisheries management with major emphasis on fishery assessment, population dynamics, and common management practices

EVNR 4710 Special Topic ENVR Natural Res 2 Credits

This course will explore current and future issues and challenges related to the environment, natural resource management, and sustainability. Topics will be developed based on individual faculty expertise.

EVNR 4899 Capstone in EVNR Natural Resou 2 Credits

ENVR 3950 and 30 hours of upper level coursework This course provides students an opportunity to integrate knowledge gained in the classroom with real-world problems. Students initiate and design a capstone project or complete an internship in ENVR in consultation with faculty and working professionals.

EVNR 4999 EVNR Internship 3 Credits

Approval from Department Chair Or Academic Dean This internship experiences provides students the opportunity to engage in practical work experience with an approved employer.