Courses

RENR 201 Computer Applications in Agriculture
Credits 3. 2 Lecture Hours. 2 Lab Hours.
Fundamentals of computer use and the application of agricultural software; computer use in decision making and problem solving in agriculture.
Prerequisite: MATH 102.

RENR 205 Fundamentals of Ecology
Credits 3. 3 Lecture Hours.
Principles of ecology using a holistic approach treating plants, animals and humans as one integrated whole; composition, structure, nutrient cycles and energetics of biotic communities; adaptations to environmental factors; biotic relationships; and problems of environmental quality and resource use.

RENR 215 Fundamentals of Ecology--Laboratory
Credit 1. 3 Lab Hours.
Sampling and estimating plant-animal populations, measuring environmental factors and recognizing and studying morphological, physiological and behavioral adaptations of plants and animals to biotic or abiotic influences.*

RENR 345 Park Ecology and Management
Credits 3. 1 Lecture Hour. 4 Lab Hours.
Classroom and hands-on exposure to outdoor recreation resources management in a major national park facing complex challenges; interactive problem-solving to understand natural resources, management strategies and issues related to a park’s broader region; includes one intensive week in Smoky Mountains National Park. May be taken two times for credit.
Prerequisites: Junior or senior classification; or approval of instructor.

RENR 375 Conservation of Natural Resources
Credits 3. 3 Lecture Hours.
Principles and philosophies associated with the development, management and use of natural resources; ecological and social implications inherent in management alternatives involving the natural environment and use of renewable natural resources.

RENR 400 Study Abroad in Natural Resources
Credits 2 to 12. 2 to 12 Lecture Hours.
Provides students with an opportunity to gain first-hand experience in natural resource management in foreign countries; focus on the interaction of public, communal and private land tenure systems with the ecological and human dimensions of rangeland management, wildlife conservation and nature-based tourism. May be taken two times for credit.
Prerequisite: Junior or senior classification.

RENR 405 GIS for Environmental Problem Solving
Credits 3. 2 Lecture Hours. 2 Lab Hours.
Interdisciplinary approach to train students to integrate GIS and relevant technologies for environmental problem solving; helps students relate learning to real world situations; students conceptualize, develop and manage projects using real data; one term project required.
Prerequisite: RENR 201 or equivalent or approval of instructor.

RENR 410 Ecosystem Management
Credits 4. 3 Lecture Hours. 3 Lab Hours.
Concepts and practices relevant to the development of landscape/regional level ecosystem management plans; an ecosystem management plan will be developed utilizing a strategic management/coordinated resources approach to establish resource goals, ecosystem resource analysis and impact evaluation, and implementation compatible with societal and individual concerns.
Prerequisite: Senior classification or approval of instructor.*

RENR 460/RPTS 460 Nature, Values, and Protected Areas
Credits 3. 3 Lecture Hours.
Writing-intensive discussion of the ways in which protected areas reflect human values about nature; identify stakeholders in and around protected areas, exploring how interests either conflict or coincide; evaluate social, economic, cultural, and ecological trade-offs of different approaches to conservation.
Prerequisite: RPTS 307 or RPTS 316; or 9 hours of credit in natural resource courses.
Cross Listing: RPTS 460/RENR 460.*

RENR 470 Environmental Impact Assessment
Credits 3. 3 Lecture Hours.
The evolution of natural resources regulatory policies and how this influences current procedures for environmental/natural resources assessment and management; demonstration of the environmental impact assessment procedures and policy issues associated with environmental impacts.
Prerequisite: Senior classification or approval of instructor.

RENR 489 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours.
Selected topics in an identified field of renewable natural resources. May be repeated for credit.
Prerequisite: Approval of instructor.*