NRES 499 Agri/Ecology-Caribbean Island
Monday, 6:30PM – 9:00PM CST
Instructor: Anton Endress
Combined synchronous class sessions and field study in the U.S. Commonwealth of Puerto Rico. Course will focus on (1) horticultural crop utilization and production, pest management, marketing, and economic development and (2) island ecology, biodiversity and conservation, natural resources management, and sustainable development. Course Information: Additional field trip fee will be assessed. Course Schedule Information: The Puerto Rico field study takes place January 12 - 20, 2013. Credit hours: 3. (CRN 54857)

NRES 499 Soil Science for Resource Management
Thursday, 7:00PM – 9:30PM CST
Instructor: Robert Darmody
Among the natural resources, soil is considered very slowly renewable, yet it sustains life as we know it. Soils are formed from geologic parent materials by the long-term actions of climate, living organisms, and topography. Wise use and management of soils is crucial to agriculture, forestry, engineering, ecology, and general environmental science. In this class, we will take a pedological view of soils, emphasizing basic soil chemistry and physics, with a focus towards the more environmental aspects. The course is intended for individuals with a minimal knowledge of soil science studying to be professional environmentalists. Consequently, emphasis in the class will be on discovering the importance of soils and their roles in the environment. Credit hours: 4. (CRN: 58919)

NRES 499 Fundamentals – Applied Ecology
Tuesday, 6:00PM – 10:00 PM CST
Instructor: Wendy Schelsky
This course is designed to provide a basic, yet thorough foundation of fundamental ecological principles that govern the distribution and abundance of organisms. Extra attention will be given to applied ecology as it pertains to current-day ecological problems. The approach will include lectures, discussions, hands-on evaluation and interpretation of data and experimental design presented in case studies, and design and implementation of an independent research project. Credit hours: 4. (CRN: 60428)

NOTE: Courses identified as NRES 499 courses are experimental topics which vary significantly each semester. The NRES 499 course number may be repeated in the same or separate terms to a maximum of 12 hours as topics vary.
NRES 416 Forest Biology
Wednesday, 6:30Pm – 9:00PM CST
Instructor: Jeffrey Dawson
Interactions of biotic and abiotic components of forests as they relate to the health, structure and function of these ecosystems. The course is ecophysiological and organismic in approach, but includes biochemical concepts central to the understanding of forest biology. Lecture-discussion combined with assigned readings, field projects, and a paper.
Course Information: Prerequisite: NRES 419 and NRES 302 or HORT 301. Credit hours: 3. (CRN: 54786)

NRES 500 Graduate Seminar
Asynchronous
Instructor: Angela Kent
Discussions of current research and specialized topics in natural resources and environmental sciences. Course Information: May be repeated. No more than two hours may be counted toward a degree. Approved for S/U grading only. Credit hours: 1. (CRN: 32902)

NRES 586 Soil Organic Matter
Monday, 6:30PM – 9:00PM CST
Instructor: Michelle Wander
Explores soil organic matter as one of the most important and integrative characteristics of terrestrial ecosystems. Topics include the nature and origin of humic and non-humic substances in soils and sediments, their critical environmental functions (chemical reactivity and role in nutrient cycling), and the primary methods (elemental analysis, spectroscopy, isotopic methods, and C and N models) used to characterize organic matter and its dynamics.
Course Information: Offered in alternate years. Prerequisite: CHEM 232. Credit hours: 4. (CRN: 5672)

NRES 594 NRES Professional Orientation
Asynchronous
Instructor: Timothy Ellsworth
The philosophy and components of graduate education with development of the principles useful in teaching, research, and extension in horticulture, natural resources and environmental sciences. Students will explore all three capstone options and are required to develop and submit a proposal describing their preferred M.S. capstone experience. Course Information: Approved for S/U grading only. Admission as a degree-seeking student required. Credit hours: 1. (CRN: 52520)

HORT 598 Native Plants for Landscapes
Wednesday, 6:30PM – 8:30PM CST
Instructor: Margaret Norton
Native Plants for Landscapes is designed to introduce students to native herbaceous perennial plants that are suitable for home and commercial landscapes. Emphasis will be placed on native plant identification, choosing plants for various landscape niches, and follow-up care. Credit hours: 4. (CRN: 58971)