ESSM - ECOSYSTEM SCIENCE & MGMT

ESSM 604 Changing Natural Resource Policy
Credits 3.3 Lecture Hours.
Process through which environmental policies are changed; theories of social and political change; using these theories along with original research on environmental policy problems to create and implement plans for changing environmental policies in communities.
Prerequisite: Graduate classification.

ESSM 610 Rangeland Resource Management
Credits 3.3 Lecture Hours.
Basic concepts and theories of rangeland resource management; trends in range classification, grazing management and improvement practices.
Prerequisite: Graduate classification in agriculture or related subject matter areas.

ESSM 611 Grazing Management and Range Nutrition
Credits 3.3 Lecture Hours.
Nutritional ecology of domestic and wild herbivores on rangelands; vegetation and animal response to various grazing management practices; diet selection, quality, intake and supplementation of herbivores.

ESSM 612 Rangeland Vegetation Management
Credits 3.3 Lecture Hours.
Principles of rangeland brush and weed control with mechanical, chemical, burning and biological methods; interrelationships of brush management with grazing, wildlife and watershed management; planning and economic analysis of range improvement practices.

ESSM 628 Wetland Delineation
Credits 3.2 Lecture Hours. 2 Lab Hours.
Prerequisite: Graduate classification or approval of instructor.

ESSM 636 Wildland Watershed Management
Credits 3.3 Lecture Hours.
Elements of watershed management and principles and practices of wildland management for protection, maintenance and improvement of water resources values; current literature and research advances.

ESSM 672/RENR 660 Environmental Impact Analysis for Renewable Natural Resources
Credits 3.3 Lecture Hours.
Analysis and critique of contemporary environmental analysis methods in current use; environmental impact statements; national policies; political, social and legal ramifications as related to development and use of renewable natural resources.
Prerequisite: Graduate Classification.
Cross Listing: RENR 660/ESSM 672.