RENR - RENEWABLE NATURAL RESOURCES

RENR 651 Geographic Information System for Resource Management
Credits 3. 2 Lecture Hours. 2 Lab Hours.
Geographic Information System (GIS) approach to the integration of spatial and attribute data to study the capture, analysis, manipulation and portrayal of natural resource data; examination of data types/formats, as well as the integration of GIS with remote sensing and Global Positioning System; laboratory includes extensive use of GIS applications to conduct analyses of topics in natural resources.
Prerequisite: Graduate classification.
Cross Listing: BAEN 651 and ECCB 651.

RENR 653/RPTS 653 Conservation Psychology
Credits 3. 3 Lecture Hours.
Theories and methods of psychology applied to conservation behavior for the improvement of relationships between people and natural systems; understand challenges and generate solutions related to the human psyche and wilderness, children and nature, role of culture.
Cross Listing: RPTS 653/RENR 653.

RENR 660/ESSM 672 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.
Cross Listing: ESSM 672/RENR 660.

RENR 662 Environmental Law and Policy
Credits 3. 3 Lecture Hours.
Analysis of the legal theories used to allocate and protect environmental resources; common law, federal and state statutes, and international treaties dealing with the environment; policies and laws for controlling air, water, solid waste, toxic waste and water pollution; species protection and natural resource use.

RENR 678 Latent Variable Model Applications
Credits 3. 3 Lecture Hours.
Introduction to structural equation modeling (SEM); background on conceptual issues, application of the method, and insight on SEM software; measurement theory, missing data analysis, non-normal data, confirmatory factor analysis, path analysis, multi-group models.
Prerequisites: STAT 636, STAT 652, or approval of instructor.
Cross Listing: RPTS 678 and RWFM 678.