RWFM - RANG WILD & FISH MGMT

RWFM 605/RPTS 605 Community Organization and Natural Resources Management

Credits 3. 3 Lecture Hours. Understand ways communities manage natural resources; understand the roles of collaboration, participation, agency, power, and resilience in solving local resource management problems. **Prerequisites:** Graduate classification. **Cross Listing:** RPTS 605/RWFM 605.

RWFM 649 Nutrition of Range and Wild Animals

Credits 3. 3 Lecture Hours. Connects the life history of wild and domestic animals with the quality of their habitat by examining the transfer of energy and nutrients from foods to body tissues and activities for survival, growth and reproduction; exploration of the use of nutrition for management and conservation of animal populations and their habitats. **Prerequisite:** Graduate classification; ECCB 205 or BIOL 357; ANSC 107 or BIOL 107; or approval of instructor.

RWFM 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. **Prerequisites:** Graduate classification. **Cross Listing:** BAEN 651 and ECCB 651.

RWFM 658 Human-Wildlife Conflict and Coexistence

Credits 3. 3 Lecture Hours. Ecological, cultural, and historical dimensions of human-wildlife interactions; root causes of conflict; multidisciplinary frameworks of analysis; lessons learned from practitioners; examples of coexistence; case studies across taxa and continents. **Prerequisites:** Graduate classification. **Cross Listing:** ECCB 658 and RPTS 658.

RWFM 659 Human Dimensions of Parks and Protected Areas

Credits 3. 3 Lecture Hours. Theoretical and applied literature on the interaction between individuals, communities and parks and protected areas; study of socio-ecological systems, individual and societal values of parks and protected areas, visitor experiences, human impacts, environmental policy and sustainability. **Prerequisites:** Graduate Classification or permission from the instructor.

RWFM 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:** RENR 678 and RPTS 678.