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 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, ECCB 651, and RWFM 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 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.