4304. Fire Ecology and Management (3). Prerequisite: C or better in NRM 3402. Ecological effects, adaptations, management implications of fire (and its exclusion) on flora and fauna of North America ecosystems. F. (Writing Intensive)

4305. Big Game Ecology (3). Survey of distributions and life histories of North American big game species. Productivity, food habits, economic significance, and management will be examined. Field trips required. S., even years.

4306. Upland Game Ecology (3). Prerequisites: ZOOL 4408 and C or better in NRM 1401, or instructor consent. Ecological approach to the management of upland game populations. Stresses population mechanisms and habitat management of selected species. Field trips required. S., odd years, SS.

4309. Range-Wildlife Habitat Management (3). Prerequisite: C or better in NRM 3304 and 3402, or instructor consent. A study of wildlife habitats based on major vegetation types and the management problems involved. Emphasis on how other resource demands can be integrated with wildlife. Field trips required. F. (Writing Intensive)

4310. Principles of Waterfowl Management (3). Prerequisite: C or better in NRM 1300. Ecology and management of continental waterfowl resources. Life histories, population management, and habitat manipulation are stressed. Field trips required. F., even years.

4311. Wildlife Law (3). Prerequisite: C or better in NRM 1300 or 1401. Imparts understanding of the laws regulating the recreational and commercial uses of wildlife. Includes their history and purposes. Available only during Intercession.


4315. Spatial Analysis in Natural Resource Management (3). Introduction to geographic information systems and global positioning systems. Applications for inventory, planning, and management of natural resources are emphasized. S.

4320. Natural Resource Policy (3). Prerequisite: C or better in NRM 1300. Emphasis on the human dimension of natural resource management. Historical, agency, and private organization roles in policy and conflict resolution. F.

4322. Nongame Ecology and Management (3). Prerequisite: C or better in NRM 1401. Ecological approach to nongame wildlife population management. Public policies, socioeconomic factors, population dynamics, and species-at-risk issues are examined. S.

4324. Tropical Ecology and Conservation (3). An introductory survey of tropical ecology and conservation covering both theory and practice. Previous ecology course, instructor consent, and field trips are required. SS.

4330. Aquaculture (3). Prerequisite: BIOL 1404 and CHEM 1308 or instructor consent. A global overview of aquaculture including