BIOL 3610: Principles of Wildlife Management

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: *.*
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

Introduction to the field of wildlife management, including the biological principles important to the understanding of wildlife populations and the management strategies implemented by natural resource managers. Prerequisites: BIOL 1211, BIOL 1212, and BIOL 2610. Might not be offered every year.

B. COURSE EFFECTIVE DATES: 08/02/2010 - Present
C. OUTLINE OF MAJOR CONTENT AREAS
   1. Introduction; What is Wildlife Management?
   2. Exploitation
   3. History of Wildlife Management
   4. Extinctions
   5. Overabundance
   6. Population Ecology
   7. Food & Cover
   8. Wildlife Diseases
   9. History of Predator Control
  10. Predators & Predation
  11. Hunting Heritage & Ethics
  12. Hunting
  13. Wildlife & Rangelands
  14. Bureau of Land Management
  15. Wildlife & Farmlands
  16. Forest Management & Wildlife
  17. Wildlife in Parks & Refuges
  18. Wildlife Ranching
  19. Urban Wildlife
  20. Nongame & Endangered Wildlife
  21. Nongame Laws
  22. Wildlife Management on Military Lands
  23. Economics of Wildlife
  25. Genetic & Ecosystem Diversity
  26. Global Climate Change & Wildlife
  27. Wildlife as a Public Trust
  28. The Future

D. LEARNING OUTCOMES (General)
   1. be expected to demonstrate their understanding of the history of wildlife management in the United States
   2. be expected to demonstrate their understanding of how different habitats are managed for wildlife species.
   3. be expected to demonstrate their understanding of management strategies for both game and nongame species.
   4. be expected to demonstrate their ability to synthesize wildlife management principles by researching and presenting a seminar on a management plan for a given species.
   5. be expected to demonstrate their ability to synthesize wildlife management principles by participating in classroom discussions.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted