

# Bemidji State University

## BIOL 4520: Mammalogy

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Morphology, ecology, behavior, classification, distribution, and evolution of mammals. Lecture and laboratory. Collection or paper by each student. Prerequisites: BIOL 1211 and BIOL 1212.

**B. COURSE EFFECTIVE DATES:** 08/26/1997 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Carnivores
2. Cetaceans & Rodents
3. Chiropterans & Primates
4. Domestication
5. Environmental Adaptations
6. Lagomorphs & Ungulates
7. Lagomorphs
8. Marsupials & Soricomorphs
9. Mating & Parental Care
10. Radio Telemetry
11. Reproduction & Sexual Selection
12. Small Mammal Handling
13. Small Mammal Trapping
14. Teeth

### D. LEARNING OUTCOMES (General)

1. apply the appropriate technique to properly prepare a study skin.
2. demonstrate their ability to use a variety of field techniques for studying mammals.
3. demonstrate their understanding in writing of class characteristics, ordinal characteristics, evolution, behavior, reproduction, and conservation of mammals.
4. identify (both skins and skulls) and learn the taxonomy of mammals in Minnesota and from other select regions.
5. demonstrate their understanding of the primary literature by writing a research paper on a given topic in mammalogy using the appropriate scientific style.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted