Bemidji State University

BIOL 4510: Ornithology

A. COURSE DESCRIPTION

Credits: 3  
Lecture Hours/Week: 0  
Lab Hours/Week: 0  
OJT Hours/Week: *.*  
Prerequisites: None  
Corequisites: None  
MnTC Goals: None  

Morphology, ecology, behavior, classification, distribution, and evolution of birds. Lecture, laboratory, and field study (early morning field trips and one or two all-day field trips). Prerequisites: BIOL 1500 and BIOL 2610, or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/04/2019 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Alternate Parental Care Strategies  
2. Avian Characteristics  
3. Avian Diversity  
4. Biogeography  
5. Conservation of Endangered Waterfowl in Hawaii  
6. Evolution  
7. Feathers  
8. Flight  
9. Growth & Development  
10. Mating Systems & Sperm Competition  
11. Migration  
12. Navigation  
13. Nests & Incubation  
14. Reproduction  
15. Sociality & Territoriality  
16. Vocalizations

D. LEARNING OUTCOMES (General)

1. demonstrate their understanding in writing of the characteristics, evolution, behavior, reproduction, biogeography, and conservation of birds.  
2. participate and identify birds on field trips.  
3. demonstrate their understanding of the primary literature by writing a research paper on a given topic in ornithology using the appropriate scientific style.  
4. demonstrate their ability to use the point count method for determining relative density of birds.  
5. identify and learn the taxonomy of birds in Minnesota.
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted