

# 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