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 1211 and
   BIOL 1212.

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