ENR 2360: Ecology and Conservation of Birds

2 Semester Credit Hours

Course Objectives

1. Increase knowledge and understanding of key concepts in avian ecology and conservation

2. Encourage critical thinking through examination and discussion of current challenges in avian conservation and management

3. Build skills in field ornithology and ornithological research, including bird identification, survey methodology, and designing/conducting field research projects.

Course Content

1. Key Concepts in Avian Ecology & Behavior
   A. Avian life history
   B. Habitat relationships of birds
   C. Full life cycle ecology
   D. Foraging ecology & behavior
   E. Population & Community ecology

2. Conservation and Management of Birds
   A. Importance of birds to humans and the environment
   B. Anthropogenic influences on birds
   C. Issues in bird conservation
   D. Managing habitat for birds
   E. Endangered & threatened birds of Ohio

3. Field Ornithology (throughout course)
   A. Making bird observations / Basics of birding
   B. Field identification of birds
   C. Population survey methodology
   D. Avian capture and banding techniques
   E. Independent research project

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