

EEOB 4920: Ornithology for Teachers

Semester Credit Hours – 2 undergrad/graduate

In this class, we will seek to answer the following questions: 1) what are birds, 2) how do birds work, 3) how do we manage and conserve bird populations, and 4) how can I bring Ornithology into my classroom?

After completion of the course we will achieve the following goals and objectives:

Course Goals	Learning Objectives
1) Have an appreciation for what makes birds unique (from other animals and from one another)	<ul style="list-style-type: none">• Be able to identify most common eastern North American species and families.
2) Develop an understanding about the diverse ways birds complete their life cycles	<ul style="list-style-type: none">• Be able to define the various life history strategies of NA birds.• Be able to explain how bird life histories are shaped by their environment and evolution.• Be able to describe how birds are unique from other vertebrates, and how they are similar (both organismally and ecologically).
3) Grasp the fundamental principles behind conserving and managing bird populations	<ul style="list-style-type: none">• Be able to explain different forms of population limitation in birds.• Be able to describe the decision process for applying a management action in birds.• Be able to articulate the challenges of bird conservation, particularly of migratory and endangered species.• Be able to evaluate a management plan
4) Apply concepts of ornithology to students in field and classroom settings	<ul style="list-style-type: none">• Be able to design a workable field activity in ornithology for students in K-12• Be able to connect field exercises to classroom topics.

Instructor: Christopher M. Tonra, Ph.D.
School of Environmental and Natural Resources
210 Kottman Hall
2021 Coffey Road
Columbus, OH 43210
Email: tonra.1@osu.edu
Phone: 614-292-9838