

ZOOL 281L: Vertebrate Zoology

Examination of vertebrate origins and phylogenies; analyses of biogeographic distribution of many vertebrate groups; examinations of principles adaptive features that uniquely define each major vertebrate taxon. (E)

Course Student Learning Outcomes

1. Conduct a scientific experiment in a logical and appropriate manner, including the skills of experimental design, data collection, data analysis, and report of findings.
2. Correctly read and interpret ecological information in books and journals.
3. Demonstrate the ability to explain in written or verbal form the basic concepts of vertebrate zoology, including evolution, classification, form and function, behavior, and conservation.
4. Process and present information and experiences in the form of lab reports, projects, and verbal presentations.
5. Demonstrate an ability to synthesize concepts, facts, and ideas into coherent, independent work.
6. Discuss and express ideas and information, applying what they have assimilated from readings, laboratory experiences, and field work.
7. Connect the overall concepts of vertebrate zoology to their local environments and daily lives.

Credits: 5

Prerequisites: BIOL& 223L, BIOL 281L, or written permission of instructor.

Program: **Zoology**