

ZOOL 101 : Introduction to Zoology with Lab

Credits 5

Quarter Offered Winter

Introduction to the animal phyla. Studies of animal anatomy, physiology, behavior, ecology, and evolution illustrate the diversity and unity of animal life. Emphasis on animals of the Pacific Northwest. This class may include students from multiple sections. (Natural Sciences with Lab, Elective)

Prerequisites

Eligibility for both [ENGL& 101](#) and [MATH 90](#)

Course Outcomes

Communication

Present the results of student-generated experiment in written and oral form.
Conduct literature research on current topics in zoology and the impact humans are having on the biosphere.

Quantitative Reasoning

Interpret graphs and generate simple graphs that summarize their data.
Summarize data collected in a synthesis within a research project.

Information

Describe some of the central organizing concepts of biology, with an emphasis on the Animal Kingdom.
Classify novel organisms to their current classification by using the basic concepts of comparative animal anatomy and physiology, and evolution.
Identify the major animal phyla along with certain important subphyla or classes.

Critical Thinking

Design a non-lethal experiment involving invertebrate behavior.
Practice and apply observation skills to a novel question in zoology and critically evaluate and summarize observations.

Personal/Interpersonal

Connect concepts in ecology and animal biology to locate animals in local environments (with an emphasis in biodiversity).