

BIO 306: Zoology

This course will explore the evolution, physiology, behavior, and ecology of major phyla within Kingdom Animalia as well as the phylogenetic relationships between animal taxa. We will learn how natural selection and genetic drift have made modest changes to the “operating instructions” of the animal genetic toolbox that have resulted in major variations to body form. We will examine how key morphological innovations define major branches on the animal tree of life and we will determine how representatives from each branch sense their environment, exchange gases, acquire nutrition, excrete wastes, reproduce, and move about. Students will explore these topics through lectures and group activities that include dissections, live animal observations, field trips, and group projects.

Units: 3

Prerequisites:

[[CHEM 150](#) and IBC 200] or [BIO 120](#) or [BIO 141](#).

Prevents co- or later enrollment in [BIO 135](#).

Program: [Biology](#)