

**170. Cell Physiology (4)**

Prerequisite: Organic chemistry. Molecular structure, function, and origin of cellular components and organelles. (3 lecture, 3 lab hours)

**190. Independent Study (1-3; max see reference)**

See *Academic Placement—Independent Study*.

**200 Series.** Graduate courses are listed under *Biology*.

**ZOOLOGY (Zool)****1. General Zoology (5)**

Students with credit in Zool 10 will receive only 2 units of credit. Prerequisite to most upper division courses in zoology. Systematics, general ecology, and phylogeny of major animal groups, including comparative studies of vertebrates and a general integration of biological principles. (3 lecture, 6 lab hours)

**10. Animal Biology (3)**

Not open to students with credit in Zool 1. Structural and functional comparison of animals; principles and human implications of inheritance, evolution, and ecology; physiology as applied to man. (2 lecture, 2 lab hours)

**103. Comparative Vertebrate Anatomy (4)**

Prerequisite: college zoology. Study of structure and function of vertebrates. Examples of living vertebrates from each class are studied in the laboratory. (3 lecture, 3 lab hours)

**108. Parasitology (2)**

Prerequisite: college zoology, Chem 1A or 2A-B. Micro 112A or concurrent enrollment in Zool 108L required for credit. Biology of parasites.

**108L. Parasitology Laboratory (2)**

Prerequisite: concurrent enrollment in Zool 108. Laboratory studies on the biology of parasites. (6 lab hours)

**113. Natural History of Vertebrates (4)**

Prerequisite: college zoology; Biol 140 recommended. Vertebrate classes; natural history of local species. (3 lecture, 3 lab or field hours \*)

**114. Invertebrate Zoology (3)**

Prerequisite: college zoology. Systematics, general ecology, and phylogeny of free living invertebrates (excluding insects), and including field studies of marine intertidal habitats. (2 lecture, 3 lab or field hours \*)

**115. Protozoology (3)**

Prerequisite: Biol 130, 140 or permission of instructor. The biology of protozoan organisms. (2 lecture, 3 lab hours)

**116. Zoological Microtechnique (3)**

Prerequisite: college zoology. Methods of preparing zoological materials for microscopic examination, including tissue preparation, sectioning, staining, and photomicrography. (1 lecture, 6 lab hours)

**130. Animal Behavior (3)**

Prerequisite: college zoology or permission of instructor; recommended, one course in ecology or natural history. Principles of ethology with emphasis on mechanisms of behavior. (2 lecture, 3 lab hours \*)

**134. Wildlife Management (3)**

Prerequisite: Zool 103 or 113 or permission of instructor. Relation of vertebrates to human affairs. (2 lecture, 3 lab or field hours \*)

\* Late afternoon, Saturday and/or overnight field trips may be required.