Zoology (ZOO)

ZOO Courses

ZOO 321. Mammalogy. 4 units
Term Typically Offered: F
Prerequisite: BIO 162 or BIO 263 or BIO 427 or ASCI 329.
Ecology, behavior, physiology, functional morphology, and evolution of mammals. Classification and identification of mammals, with emphasis on California species. 2 lectures, 2 laboratories.

ZOO 322. Ichthyology. 4 units
Term Typically Offered: F
Prerequisite: BIO 162.
Phylogeny, anatomy, functional morphology, physiology, and ecology of marine and freshwater fishes. Special reference to local and economically important species. Laboratory emphasis on taxonomy of California species, especially marine groups. 2 lectures, 2 laboratories.

ZOO 323. Ornithology. 4 units
Term Typically Offered: SP
Prerequisite: BIO 162 or BIO 263 or BIO 427 or ASCI 329.
Classification and identification of birds, with emphasis on California species. Functional morphology, physiology, ecology, behavior and census methods. Field trips may require meeting in the morning before scheduled lab time. 2 lectures, 2 laboratories.

ZOO 329. Vertebrate Field Zoology. 4 units
Term Typically Offered: SU
Prerequisite: Junior standing; BIO 162 or BIO 263 or BIO 427 or ASCI 329.
Identification and natural history of terrestrial vertebrates, with emphasis on field studies and local species. Field trips may require meeting in the morning before scheduled lab time. 2 lectures, 2 laboratories.

ZOO 335. General Entomology. 4 units
Term Typically Offered: W
Prerequisite: AEPS 313, BIO 160, or BIO 211. Recommended: BIO 162.
Introduction to the study of insects. Structure, major orders and families of insects, life histories, medical, and economic importance. Insect collection required. 2 lectures, 2 laboratories.

ZOO 336. Invertebrate Zoology. 4 units
Term Typically Offered: W
Prerequisite: BIO 160 and BIO 162.
Invertebrate groups of animals with emphasis on taxonomy, morphology, distribution, and economic importance. 2 lectures, 2 laboratories, and fieldwork.

ZOO 341. Herpetology. 4 units
Term Typically Offered: SP
Prerequisite: BIO 160 and BIO 162.
Living and extinct reptiles and amphibians; an adaptive approach to their diversity, biology, and classification. 2 lectures, 2 laboratories.

ZOO 425. Parasitology. 4 units
Term Typically Offered: F
Prerequisite: BIO 160 and BIO 161, or MCRO 221, or MCRO 224, or graduate standing in Biological Sciences.
External and internal parasites of man and animals. Life history, parasite-host relationships. Control and recognition of species of clinical importance. 2 lectures, 2 laboratories.

ZOO 428. Hematology. 4 units
Term Typically Offered: W
Prerequisite: BIO 351 or BIO 302 or BIO 303 or CHEM 373, or graduate standing in Biological Sciences. Recommended: BIO 361 or ZOO 332 or BMED 460; CHEM 313 or CHEM 371.
Development and function of blood as a tissue. Composition, function, and mechanisms of formation and destruction of blood components in health and disease. Methods for examination of blood. 3 lectures, 1 laboratory.