

135. Mammalogy (3)

Prerequisite: Zool 103 or 113 or permission of instructor. Mammals of the world with emphasis on local species. (2 lecture, 3 lab or field hours *)

136. Fisheries Biology and Management (3) (Former Biol 185T section)

Prerequisite: Biol 140, Zool 103 or 113, and permission of instructor. Biology of fishes in relation to their environment; physiological population and community ecology of fishes emphasized and related to principles, problems, and techniques of managing aquatic systems. (2 lecture, 3 lab or field hours, including weekend field trips)

137. Herpetology (3)

Prerequisite: Zool 103 or 113 or permission of instructor. Reptiles and amphibians of the world with emphasis on local species. (2 lecture, 3 lab or field hours *)

138. Animal Ecology (3)

Prerequisite: college biology, including zoology; or permission of instructor. Environmental relationships of local vertebrates. (2 lecture, 3 lab or field hours *)

140. Ichthyology (3)

Prerequisite: Zool 103 or 113 or permission of instructor. Fishes of the world with emphasis on California fishes, freshwater and marine. (2 lecture, 3 lab or field hours *)

157. Histology (4)

Prerequisite: college zoology. Identification and study of vertebrate cells, tissues, and organs. (2 lecture, 6 lab hours)

158. Hematology (4)

Prerequisite: Phy 65 or Zool 157. Development, structure, function, and identification of the cellular elements of blood and of those plasma constituents involved in blood clotting. (2 lecture, 6 lab hours)

160. Vertebrate Embryology (4)

Prerequisite: college zoology. Morphogenesis of vertebrates from gamete formation through organogenesis, including physiological and experimental aspects of development. Laboratory emphasis on frog, chick and pig. (2 lecture, 6 lab hours)

165. Ornithology (3)

Prerequisite: Zool 103 or 113 or permission of instructor. Introduction to the identification and natural history of birds with emphasis on local species. (2 lecture, 3 lab or field hours *)

175. Vertebrate Evolution (3)

Prerequisite: Biol 120; Zool 103 or 113 or permission of instructor. The course of evolution of the higher vertebrates including present concepts of speciation.

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

See *Academic Placement—Independent Study*.

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

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