Zoology (ZOO)

Contact the Life Sciences Department for further information. (760) 744-1150, ext. 2275
Office: NS-207A

COURSE OFFERINGS

ZOO 100 General Zoology (4)
3 hours lecture - 3 hours laboratory
Note: Not open to students with prior credit in ZOO 101 or 101L
Transfer acceptability: CSU; UC – No credit if taken after ZOO 101/101L
Principles of animal life and body organization. Structural and functional adaptations of major groups of the animal kingdom from protozoans through mammals. This is a general education course intended for non-science majors.

ZOO 101 General Zoology (Lecture) (3)
3 hours lecture
Note: Not open to students with prior credit in ZOO 100
Transfer acceptability: CSU; UC – No credit if taken after ZOO 100
Structural and functional adaptations of major groups of the animal kingdom from protozoans through mammals. ZOO 101L laboratory optional.

ZOO 101L General Zoology (Laboratory) (1)
3 hours laboratory
Prerequisite: A minimum grade of 'C' in ZOO 101, or concurrent enrollment in ZOO 101
Note: Not open to students with prior credit in ZOO 100
Transfer acceptability: CSU; UC – No credit for ZOO 101/101L if taken after 100
Investigations upon living and preserved specimens representative of the major groups of the animal kingdom. This is a general education course intended for non-science majors.

ZOO 120 Animal Behavior (3)
3 hours lecture
Transfer acceptability: CSU; UC
Biological basis of behavior including behavior genetics, operation of evolutionary processes on species typical behaviors, behavioral ontogeny, functional organization of nervous systems, animal senses, motivation including hormonal effects on drive, and biorythms; behavioral ecology including social behavior and social living, reproductive behaviors, homing and migration, antipredatory defenses, feeding strategies, and communication.

ZOO 135 Biology of Marine Mammals (3)
3 hours lecture
Transfer acceptability: CSU; UC
The fundamentals of marine mammal biology are explored. Topics include comparative anatomy, evolution, cladistics, mammalian physiology, ecology and zoogeography, behavior and conservation as they apply to the study of marine mammals.

ZOO 145 Introduction to Anatomy and Physiology (3)
3 hours lecture
Note: Not open to students with prior credit in ZOO 200 or 203
Transfer acceptability: CSU; UC – ZOO 145/145L and BIOL 106 or BIOL 105 combined: maximum credit, 4 units; UC – No credit for ZOO 145/145L if taken after ZOO 203, or 200
Introduction to the structure and function of human body systems in health and disease. Not recommended for those intending to take BIOL 105, 106, ZOO 200 or 203.
ZOO 145L  Introduction to Anatomy and Physiology Laboratory  (1)
3 hours laboratory
Prerequisite: A minimum grade of ‘C’ in ZOO 145, or concurrent enrollment in ZOO 145
Transfer acceptability: CSU; UC – ZOO 145/145L and BIOL 106 or BIOL 105 combined: maximum credit, 4 units; UC – No credit for ZOO 145/145L if taken after ZOO 203, or 200
Introduction to the structure and function of human body systems. Includes study of cells, tissues, and human organ systems. Not recommended for those intending to take BIOL 105, 105L, 106, ZOO 200 or 203.

ZOO 195D  Field Study of Birds  (1, 1.5, 2, 2.5, 3)
½-1 hours lecture - 1½-7½ hours laboratory
Note: Fee charged
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field study of terrestrial and aquatic avifauna of selected habitats, emphasizing identification and observation of native and migratory birds, their behavior, and adaptations. See Class Schedule for locality to be visited.

ZOO 197  Zoology Topics  (.5 - 4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus
Topics in Zoology. See Class Schedule for specific topic offered. Course title will designate subject covered.

ZOO 200  Anatomy  (4)
2 hours lecture - 7 hours laboratory
Recommended Preparation: BIOL 100; or BIOL 101 and BIOL 101L; or BIOL 102; or BIOL 105; or BIOL 200
Transfer acceptability: CSU; UC
C-ID BIOL 110B
Designed to provide a basic understanding of the structure of the human body. Laboratory includes a study of anatomy through cat and organ dissection, skeletal study, use of models and other visual aids.

ZOO 203  Physiology  (4)
2 hours lecture - 7 hours laboratory
Prerequisite: A minimum grade of ‘C’ in BIOL 102; or BIOL 200 and CHEM 104 or CHEM 100; or BIOL 100 and CHEM 104 or CHEM 100; or BIOL 105 and CHEM 104 or CHEM 100; or ZOO 200
Transfer acceptability: CSU; UC
C-ID BIOL 120B
Principles of human physiology including laboratory exercises. Deals with physiology of muscle, nerve, circulation, respiration, excretion, digestion, the endocrines and exercise.

ZOO 295  Directed Study in Zoology  (1, 2, 3)
3, 6, or 9 hours laboratory
Prerequisite: Approval of project or research by department chairperson
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus
Independent study for students who have demonstrated skills and/or proficiencies in Zoology subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.