

ZOOLOGY LEC/LAB (ZOOC)

ZOOC 1010 Zoology

Credit Hours: 4

Prerequisites: BSCC 1010 with a grade of "C" or higher

General Education Category: Science Gen Ed

Lab Fee: Yes

Meets General Education requirement. Advanced course recommended for biology and related majors providing a basic understanding of the animal kingdom and associated terminology as well as skills in observation and dissection of animals. Includes study of animal taxonomy, morphology, physiology, embryology, histology, ecology, life history, and economic importance. Three hours of lecture and two hours of lab per week.

ZOOC 4232 Comparative Parasitology

Credit Hours: 4

Prerequisites: BSCC 1010 - with a grade of "C" or higher or completion of an AS in Veterinary Technology or Medical Laboratory Technology

Lab Fee: Yes

This course covers the biology of eukaryotic parasites with an emphasis on species of medical and veterinary importance. Students will learn the taxonomy, morphology, life cycle, pathogenesis, transmission, control, diagnosis, and treatment of various parasite genera and species. Socioeconomic impacts of parasitism and global incidence will also be discussed.

ZOOC 4603 Developmental Biology

Credit Hours: 5

Prerequisites: BSCC 1010, CHM 1046, and CHML 1046 - all courses with a grade of "C" or higher or completion of an AS in Veterinary Technology, Dental Hygiene, Medical Laboratory Technology, Respiratory Technology or Nursing

Lab Fee: Yes

This course explores embryology and subsequent development of vertebrate and invertebrate animals, with an emphasis on humans. Topics to be covered include gametogenesis, fertilization, cleavage, gastrulation, neurulation, organogenesis, morphogenesis, and the development of form and patterns in organisms with stress placed on genetic cues and regulation.