Zoology Courses

Courses

ZOOL 2406. Vertebrate Zoology.
4 Credit Hours
6 Total Contact Hours
3 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (BIOL 1107 w/D or better AND BIOL 1305 w/D or better ) AND (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

ZOOL 2466. Invertebrate Zoology.
Invertabrate Zoology (3-3) Survey and laboratory exercises concerning the invertebrates with emphasis on phylogeny.
4 Credit Hours
6 Total Contact Hours
3 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (BIOL 1107 w/D or better AND BIOL 1305 w/D or better ) AND (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

ZOOL 3464. Medical Parasitology.
Medical Parasitology (3-3) A survey of medically important parasites.
4 Credit Hours
6 Total Contact Hours
3 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (ZOOL 2406 w/D or better ) OR (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

ZOOL 3468. Entomology.
Entomology (3-3) Evolution, phylogeny, ecology, physiology, morphology, and systematics of insects. Field trips and an insect collection are required.
4 Credit Hours
6 Total Contact Hours
3 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

Advanced Vertebrate Paleontology Techniques (0-3) Collection, preservation, identification, and curation of vertebrate fossils. This course is identical to GEOL 4157.
1 Credit Hour
3 Total Contact Hour
3 Lab Hour
0 Lecture Hour
0 Other Hour

Prerequisite(s): (ZOOL 4356 w/D or better)
ZOOL 4181. Vertebrate Physiology Methods.
Vertebrate Physiology Methods (0-3) Techniques and instrumentation used in the study of vertebrate function.

1 Credit Hour
3 Total Contact Hour
3 Lab Hour
0 Lecture Hour
0 Other Hour

Prerequisite(s): (CHEM 1106 w/C or better AND CHEM 1306 w/C or better) OR (CHEM 1408 w/C or better) AND (BIOL 1108 w/D or better AND BIOL 1306 w/D or better) OR (BIOL 2113 w/D or better AND BIOL 2313 w/D or better) OR (BIOL 3414 w/D or better) OR (ZOOL 2406 w/D or better) OR (BIOL 3115 w/C or better AND BIOL 3314 w/C or better)

ZOOL 4354. Paleozoic & Mesozoic Vert Pale.
Paleozoic and Mesozoic Vertebrate Paleontology (3-0) Study of evolution, biologic history, biostratigraphy, and classification of the Paleozoic and Mesozoic vertebrates with emphasis on the lower vertebrates and an introduction to early mammalian development. This course is identical to GEOL 4354. Co-requisite: ZOOL 4155.

3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (GEOL 1102 w/D or better AND GEOL 1302 w/D or better) OR (ZOOL 2406 w/D or better) OR (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

Corequisite(s): ZOOL4155

ZOOL 4356. Cenozoic Vertebrate Paleontol.
Cenozoic Vertebrate Paleontology (3-0) Study of the evolution, biologic history, biostratigraphy, and classification of the Cenozoic vertebrates with major emphasis on the mammals. This course is identical to GEOL 4356. Co-requisite: ZOOL 4157.

3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (GEOL 1302 w/D or better) OR (ZOOL 2406 w/D or better) OR (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

Corequisite(s): ZOOL4157

ZOOL 4380. Vertebrate Physiology.
Vertebrate Physiology (3-0) Vertebrate systemic functions emphasizing nerve action and movement, endocrinology and metabolic controls, osmoregulation, cardiophysiology and respiration.

3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (CHEM 1106 w/D or better AND CHEM 1306 w/D or better) AND (ZOOL 4181 w/D or better) AND (BIOL 3414 w/D or better) OR (ZOOL 2406 w/D or better) OR (BIOL 1108 w/D or better AND BIOL 1306 w/D or better) OR (BIOL 3115 w/C or better AND BIOL 3314 w/C or better)

ZOOL 4384. Neurobiology.
Neurobiology (3-0) Neural organization in animals. Evolution of nervous system in different phy/a, with emphasis on networks and neurochemical mechanisms for information processing.

3 Credit Hours
3 Total Contact Hours
0 Lab Hours
3 Lecture Hours
0 Other Hours

Prerequisite(s): (ZOOL 2406 w/D or better) OR (ZOOL 4380 w/D or better) OR (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)
ZOOL 4476. Fish, Amphibians, and Reptiles.
Fish, Amphibians, and Reptiles (3-3) Classification and natural history of fish, amphibians and reptiles.
4 Credit Hours
6 Total Contact Hours
3 Lab Hours
3 Lecture Hours
0 Other Hours
Prerequisite(s): (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)

ZOOL 4478. Birds and Mammals.
Birds and Mammals (3-3) History of study, literature, and biology of birds and mammals.
4 Credit Hours
6 Total Contact Hours
3 Lab Hours
3 Lecture Hours
0 Other Hours
Prerequisite(s): (BIOL 1108 w/D or better AND BIOL 1306 w/D or better)