Zoology Courses

Courses

ZOOL 2406. Vertebrate Zoology.  
Vertebrate Zoology: [TCCN BIOL 1313] A survey of basic classification, functional systems, and biology of vertebrates. MATH 1508 may be taken concurrently with ZOOL 2406. Course fee required.  
**Department:** 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.  
Invertebrate Zoology: [TCCN BIOL 1413] Survey and laboratory exercises concerning the invertebrates with emphasis on phylogeny. Course fee required.  
**Department:** 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 3464. Medical Parasitology.  
Medical Parasitology (3-3) A survey of medically important parasites. Prerequisite: ZOOL 2406, or BIOL 1306 and BIOL 1108. Lab fee required. Replaced ZOOL 3364 and ZOOL 1365.  
**Department:** Zoology  
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. Prerequisites: BIOL 1306 and BIOL 1108. Fee required.  
**Department:** Zoology  
4 Credit Hours  
6 Total Contact Hours  
3 Lab Hours  
3 Lecture Hours  
0 Other Hours  
**Prerequisite(s):** (BIOL 1108 w/D or better ) OR (BIOL 1306 w/D or better AND BIOL 1306 w/D or better)

ZOOL 4181. Vertebrate Physiology Methods.  
Vertebrate Physiology Methods (0-3) Techniques and instrumentation used in the study of vertebrate function. Prerequisites: CHEM 1306-1106 or CHEM 1408 and (1) BIOL 1306-1108, (2) BIOL 2313-2113, (3) BIOL 3414, or (4) ZOOL 2406. ZOOL 4181 is usually taken concurrently with ZOOL 4380 or with BIOL 4388, and may be a co-requirement with one of these lecture courses for some programs/degrees. Course fee required.  
**Department:** Zoology  
1 Credit Hour  
3 Total Contact Hours  
3 Lab Hours  
0 Lecture Hours  
0 Other Hours  
**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 4384. Cellular Neuroscience.
Neurobiology (3-0) Neural organization in animals. Evolution of nervous system in different phyla, with emphasis on networks and neurochemical mechanisms for information processing. Prerequisites: ZOOL 2406 or ZOOL 4380, or BIOL 1306 and BIOL 1108.

Department: Zoology
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. Prerequisites: BIOL 3106 and BIOL 1108, or ZOOL 2406. Course fee required.

Department: Zoology
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. Prerequisites: BIOL 1306 and BIOL 1108. Course fee required.

Department: Zoology
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)