

# Zoology Courses

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## 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 3169. Entomology Lab.**

Evolution, phylogeny, ecology, physiology, morphology, and systematics of insects. Field trips and an insect collection are required.

**Department:** Zoology

**1 Credit Hour**

**3 Total Contact Hours**

3 Lab Hours

0 Lecture Hours

0 Other Hours

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

**Corequisite(s):** ZOOL 3368

### **ZOOL 3368. Entomology.**

Evolution, phylogeny, ecology, physiology, morphology, and systematics of insects. Field trips and an insect collection are required.

**Department:** Zoology

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

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

**Corequisite(s):** ZOOL 3169

### **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 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)