

Biology: Organismal (BIOO)

BIOO 220. General Botany. 3 Credits.

Introduction to the plant kingdom that primarily focuses upon the cytology, anatomy, morphology, and general physiology of the flowering plants. Concurrent enrollment in BIOO 221 is required. Prerequisite: Basic college biology course.

BIOO 221. Gen Botany Lab. 2 Credits.

Laboratory activities that primarily focus upon the cytology, anatomy, morphology, taxonomy of the flowering plants. Concurrent enrollment in BIOO 220 is required. This course taken in conjunction with the lecture portion of the course (BIOO 220) meets the laboratory science requirement. Course Fees: \$30.00

BIOO 320. General Botany II. 4 Credits.

A general survey of the plant kingdom and plant classification with special emphasis on bryophytes, and the non-flowering tracheophytes and their reproductive processes, together with an introduction to algae and the fungi. Offered alternate years. Prerequisite: Basic college biology course. Concurrent enrollment in BIOO 321 Lab is required.

BIOO 321. General Botany II Laboratory. 0 Credits.

Laboratory for BIOO 320. Offered alternate years. Concurrent enrollment in BIOO 320 is required. This course taken in conjunction with the lecture portion of the course (BIOO 320) meets the laboratory science requirement.

BIOO 335. Rocky Mountain Flora. 3 Credits.

Study of flowering plants found in prairie, foothill, mountain, riparian, and aquatic habitats. Graduate credit requirements are described in the syllabus. Concurrent enrollment in BIOO 336 is required.

BIOO 336. Rocky Mountain Flora Lab. 0 Credits.

Methods of collection, general identification, and preservation of a series of plant specimens, including development of a herbarium are included. Concurrent enrollment in BIOO 335 is required. This course taken in conjunction with the lecture portion of the course (BIOO 335) meets the laboratory science requirement. Course Fees: \$40.00

BIOO 380. Zoology. 3 Credits.

A survey of invertebrate and vertebrate animal phyla including classification, morphology, physiology, characteristics, and natural history. Concurrent enrollment in BIOO 381 required. Prerequisite: BIOB 160 or equivalent.

BIOO 381. Zoology Lab. 2 Credits.

The laboratory component of BIOO 380. Microscopic and macroscopic studies of animals. Dissection of squid, earthworms, crayfish, sea stars, dogfish sharks, frogs, fetal pigs, and others. Concurrent enrollment in BIOO 380 required. This course taken in conjunction with the lecture portion of the course (BIOO 380) meets the laboratory science requirement. Course Fees: \$13.75

BIOO 391. Special Topic. 3 Credits.

Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

BIOO 391A. Special Topics Lab. 1 Credit.

Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

BIOO 392. Independent Study. 3 Credits.

Provides an opportunity for students to engage in directed research and study on an individual basis rather than in a formal class environment.

BIOO 462. Entomology. 3 Credits.

An introduction to the anatomy, characteristics and classification of insects. Offered alternate years. Prerequisite: BIOO 380 or consent of instructor. Concurrent enrollment in BIOO 463 Lab is required.

BIOO 463. Entomology Lab. 0 Credits.

Laboratory for BIOO 462. Methods of collecting, preserving, identifying and displaying insects. Preparation of an insect collection is required. Offered alternate years. Concurrent enrollment in BIOO 462 is required. This course taken in conjunction with the lecture portion of the course (BIOO 462) meets the laboratory science requirement. Course Fees: \$9.75

BIOO 470. Ornithology. 3 Credits.

The biology of birds, including their morphology, physiology, behavior, ecology, and classification. Offered alternate years. Prerequisite: BIOO 380 or consent of instructor. Concurrent enrollment in BIOO 471 Lab is required.

BIOO 471. Ornithology Lab. 0 Credits.

Laboratory for BIOO 470. The field identification of birds with emphasis on the recognition of Montana species developed through the use of photos, preserved skins, and local field trips. Concurrent enrollment in BIOO 470 is required. This course taken in conjunction with the lecture portion of the course (BIOO 470) meets the laboratory science requirement.

Course Fees: \$45.00

BIOO 492. Independent Study. 3 Credits.

Provides an opportunity for students to engage in directed research and study on an individual basis rather than in a formal class environment.