

# Bemidji State University

## BIOL 3310: Entomology

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The biology of insects, their natural history, morphology, classification, and economic importance. Lecture, laboratory, and field study. Prerequisites: BIOL 1211 and BIOL 1212, or consent of instructor.

**B. COURSE EFFECTIVE DATES:** 09/03/2002 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Buffers
2. Edible Insects & Culture
3. Flight & Feeding
4. Forensic Entomogy
5. Insect Groups
6. Morphology
7. Nervous Circulatory
8. Reproduction
9. Sensory Perception

### D. LEARNING OUTCOMES (General)

1. have a better understanding of insect behavior, evolution, defense and mate attraction.
2. have a better understanding of the role insects play in different cultures and forensics.
3. be proficient in using dichotomous keys in order to identify insects to the level of order, family, genus and species.
4. learn the entomological museum technique of insect pinning, preservation, labeling and presentation.
5. learn the basic tenets of insect morphology, anatomy and physiology and sensory perception.
6. understand the life history and reproductive strategies of the major groups of insects.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted