A. Course Description

Credits: 5

Prerequisites:

BIOL 111 General Biology I AND
BIOL 112 General Biology II AND
CHEM 111 General Chemistry I AND
CHEM 112 General Chemistry II AND
MATH 115 College Algebra

OR

BIOL 111 General Biology I AND
BIOL 112 General Biology II AND
CHEM 111 General Chemistry I AND
CHEM 112 General Chemistry II AND
MATH 120 Precalculus

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

The biology of invertebrate animals, particularly insects and other terrestrial arthropods: their macroevolutionary history, taxonomy, morphology, physiology, behavior, and ecology. Topics may include their identification and roles as pollinators, herbivores, predators and disease vectors in natural, agricultural, and urban ecosystems. The course includes an integrated laboratory with field and laboratory activity. Course intended for biology majors.

B. Course Effective Dates: 05/07/2013 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Explain and apply scientific knowledge in invertebrate biology, both theoretical and experimental, at the upper division level.
2. Read and interpret primary scientific literature in invertebrate biology.
3. Competently conduct field and laboratory investigations in the area of invertebrate biology.
4. Recall, explain and apply the concepts, knowledge and vocabulary of invertebrate biology at the level necessary for success in graduate and professional study in this field.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission. First day attendance required except by instructor permission.