Bemidji State University

BIOL 4200: Freshwater Invertebrates

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   Morphology and functional roles of representative freshwater invertebrates and their ecological
   interrelationships. Lecture and laboratory. Prerequisite: BIOL 1211, BIOL 1212, BIOL 3361, BIOL
   3362, and junior status, or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/26/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Bivalves & Annelids
   2. Bryozoans & Tardigrades
   3. Cnidaria & Flatworms
   4. Crustacea
   5. Habitat PPT
   6. Insects
   7. Nematodes & Gastropods
   8. Physical Environ
   9. Protozoa
   10. Rotifers & Nematodes

D. LEARNING OUTCOMES (General)
   1. be proficient in field techniques necessary to collect invertebrates from lotic, lentic, pelagic and
      numerous benthic substrates.
   2. learn the major phyla, class and order of freshwater invertebrates
   3. be proficient in using dichotomous keys in order to identify invertebrates to the level of order, family,
      genus and species.
   4. learn major physical characteristics, life history and ecological roles.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted