Bemidji State University

BIOL 3362: Stream and River Ecology

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   An introduction to the physical characteristics, chemistry, and biology of lotic systems such as streams and
   rivers. Includes information on morphology, hydrology, and alteration of these natural systems. Includes
   laboratory simulations and field exercises. Lecture and laboratory. Prerequisites: BIOL 1211 and BIOL
   1212.

B. COURSE EFFECTIVE DATES: 08/22/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Bacteria
   2. Fish
   3. Insects
   4. Intro, Physical/chemical
   5. Lakes (Great lakes, Baikal, etc.)
   6. Macrophytes
   7. Mollusca
   8. Phytoplankton
   9. Protozoa
   10. Rivers(Mississippi, Amazon, etc.)
   11. Streams
   12. Zooplankton

D. LEARNING OUTCOMES (General)
   1. understand how organisms interact via experimentation in lab.
   2. learn characteristics of major aquatic systems (lakes, rivers, streams) as well as iconic aquatic
      systems (Lake Baikal, the Great Lakes, the Amazon River).
   3. will have a better understanding of the interactions between organisms and the aquatic systems in
      which they reside.

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus
G. SPECIAL INFORMATION

None noted