

# Bemidji State University

## BIOL 3362: Streams and Rivers

### 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 1400 and BIOL 1500, or consent of instructor.

**B. COURSE EFFECTIVE DATES:** 08/27/2018 - 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