

# Minnesota State University Moorhead

## BIOL 115L: Organismal Biology Laboratory

### A. COURSE DESCRIPTION

Credits: 0

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: BIOL 115 and BIOL 115

MnTC Goals: None

This is a zero-credit lab that accompanies BIOL 115.

**B. COURSE EFFECTIVE DATES:** 05/04/2004 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Be able to apply the scientific method to problems in organismal biology.
2. Be able to collate data, construct a graph of treatments means  $\pm$  SE in excel.
3. Be able to make conclusions from data drawn from statistical inference.
4. Be able to produce a written report that adheres to the format conventions of scientific writing.
5. Be able to search, retrieve and cite relevant sources of primary literature.
6. Connect biological theory presented in the classroom with real life organisms in the field.
7. Design and execute an experiment.
8. Know the distinction between primary literature and secondary sources of information.
9. Know the major groups of organisms and the characteristic traits that define them.
10. Present an oral presentation of their research findings to their peers.
11. Understand the mechanics of evolution by natural selection.
12. Understand the organization of biodiversity as a reflection of past evolutionary processes.
13. Understand the scientific method.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted