

# Minnesota State University Moorhead

## BIOL 360L: Cellular and Molecular Physiology Lab

### A. COURSE DESCRIPTION

Credits: 0

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Lab component of Cellular and Molecular Physiology.

**B. COURSE EFFECTIVE DATES:** 08/25/2008 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Will be engaged in a research-based, team-centered laboratory experience doing primary cellular physiology related research.
2. Will be prepared for careers, graduate and/or professional school courses involving modern molecular medicine and functional genomics and their applications to cellular and systems level physiology.
3. Will collect, analyze, and present cell-based data in formats consistent with professional standards of the American Physiological Society.
4. Will gain a greater understanding of the normal cellular and molecular physiology of higher mammals.
5. Will learn to integrate fundamental biochemistry and molecular biology tools and techniques and their functional significance to cellular homeostasis; cellular communication; and cellular movement.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted