

# Minnesota State University Moorhead

## BIOL 349L: Human Physiology Lab

### A. COURSE DESCRIPTION

Credits: 0

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Human Physiology zero credit lab that accompanies BIOL 349.

**B. COURSE EFFECTIVE DATES:** 09/16/1999 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Learn to use blood pressure kits and stethoscopes and its relation to cardiac cycle.
2. To communicate to peers their results of laboratory experiments.
3. To learn basic physiology at cellular and tissue level including cell structure, function, metabolism, transport and communication.
4. To learn computer application in basic statistical analyses on laboratory data collection.
5. To learn computer applications associated with equipment such as EKGs, spirometers and gas pressure sensors.
6. To learn experimental design.
7. To learn how to write a scientific laboratory report.
8. To learn physiological concepts using hands-on activities.
9. To learn several physiological concepts of organs and organ systems for integument, skeletal, muscle, digestive, respiratory, cardiovascular, lymphatic, reproductive and nervous.
10. To prepare students for careers in health and medical sciences.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted