

# Minnesota State University Moorhead

## **BCBT 480: Biotechniques: Integrative Physiology & Surgical Instrumentation**

### **A. COURSE DESCRIPTION**

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introduction to in vivo physiologic measurement techniques. Students will learn surgical instrumentation methods and techniques including animal handling, administering anesthesia and other chemical agents, and performing a basic surgery on a small rodent. Students will also work with an analog to digital data acquisition system for recording and analyzing physiologic parameters including pulsatile arterial blood pressure. Students will also learn skills and techniques associated with the care and maintenance of chronically instrumented animals used in integrative physiology studies.

**B. COURSE EFFECTIVE DATES:** 08/25/2008 - 06/01/2015

### **C. OUTLINE OF MAJOR CONTENT AREAS**

None

### **D. LEARNING OUTCOMES (General)**

None

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

None

### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

### **G. SPECIAL INFORMATION**

None noted