

# Minnesota State University Moorhead

## BCBT 220: Survey of BCBT Research and Methodology

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introduction to research approaches in areas of biochemistry and biotechnology research. Seminar topics include: application of the scientific method in BCBT research fields; breadth and depth of background/training to be successful in research; reading scientific literature; and introduction to ethics in research. Seminars will relate to current research by MSUM affiliated faculty that students may work with later in their program.

**B. COURSE EFFECTIVE DATES:** 02/27/2014 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Compare and contrast the difference between basic and applied research.
2. Develop basic skills for reading scientific literature.
3. Identify existing research projects with MSUM affiliated faculty.
4. Outline individual educational plan for future research in the BCBT program.
5. Understand what BCBT research entails including application of the scientific method, regulated laboratories, and necessary preparation/training for different sub-fields of BCBT research.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted