

# Minnesota State University Moorhead

## BCBT 476: Biotechniques: Research and Communication II

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

This course requires the following prerequisite  
BIOL 385 - Molecular Biology

Corequisites: None

MnTC Goals: None

This course consists of both laboratory research and significant training on scientific communication and is the second in a sequence for seniors in the biochemistry and biotechnology major. Students will continue to work on their research projects that were initiated in Biotechniques: Research and Communication I. Students will make oral presentations critically evaluating scientific literature, and finally prepare a poster to present the data from their research project.

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

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Student will be proficient in a variety of advanced laboratory techniques.
2. Student will learn critical thinking about the science being performed and how to communicate ideas and results effectively.
3. Students will be proficient in the scientific process from experimental design and proposal writing to performing experiments and presenting results in both written and oral formats.
4. Students will understand the different career options related to biochemistry and biotechnology.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted