

# Minnesota State University Moorhead

## **BCBT 479: Biotechniques: Advanced DNA & RNA Methodology**

### **A. COURSE DESCRIPTION**

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

CHEM 405 - Biochemistry Laboratory I AND BIOL 385 - Molecular Biology AND BIOL 385L - Molecular Biology Lab

Corequisites: None

MnTC Goals: None

Theory and practice in advanced DNA and RNA techniques with emphasis on isolation of RNA from cells and tissues and its subsequent use in diagnostic and analytical applications.

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

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

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

1. Students will master the theory and practice of working with RNA in the laboratory and its many uses in diagnostic and research applications.

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

None

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

As noted on course syllabus

### **G. SPECIAL INFORMATION**

None noted