

Minnesota State University Moorhead

BIOL 236L: Intro Microbiology Lab

A. COURSE DESCRIPTION

Credits: 0

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: BIOL 236

MnTC Goals: Goal 03 - Natural Science

Lab for Introduction to Microbiology. MnTC Goal 3.

B. COURSE EFFECTIVE DATES: 09/24/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Acquire and demonstrate knowledge of the field of microbiology.
2. Consider societal issues from natural science perspectives, making informed judgments by assessing and evaluating scientific information.
3. Demonstrate an understanding of the scientific method and of the relationship between hypotheses and theories.
4. Demonstrate knowledge of the concepts, principles, problems, and perspectives of one or more specific scientific disciplines.
5. Develop skills employed in working with microorganisms including but not limited to: microscopy, staining, culture, aseptic techniques, enumeration and identification methods.
6. Exhibit knowledge of the development and contributions of major scientific theories.
7. Recognize and define problems and formulate and test hypotheses using data collected by observation or experiment. One project must develop, in greater depth, students' laboratory or field experience in the collection of data, its quantitative and graphical analysis, its interpretation, its reporting, and an appreciation of its sources of error and uncertainty.
8. Understand how microbes impact society, and play significant roles in health and disease.

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

Goal 03 - Natural Science

1. No Competencies Indicated

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted