Minnesota State University Moorhead

BIOL 341L: Genetics Lab

A. COURSE DESCRIPTION

Credits: 0

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: BIOL 341

MnTC Goals: None

Genetics zero credit lab that accompanies BIOL 341.

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

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Become familiar and proficient with traditional and modern molecular laboratory techniques.
2. Demonstrate ability to apply relevant statistical tests for genetic data analysis.
3. Demonstrate ability to explain genetics concepts at the molecular, cellular, organism, and population levels.
4. Demonstrate effective written communication through formal writing including stages of organization, drafting, and revision, as well as editing the work of others.
5. Find, evaluate, and integrate information and ideas from primary literature while providing appropriate citations of material.
6. Understand the importance and relevance of model organisms in genetics research and be able to explain the relationships between model organisms and other life, including humans.
7. Use critical thinking and problem solving skills to understand, evaluate, or calculate processes of inheritance.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted