

Minnesota State University Moorhead

BIOL 365L: Developmental Biology Lab

A. COURSE DESCRIPTION

Credits: 0

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Lab to accompany Biol 365 sections.

B. COURSE EFFECTIVE DATES: 05/01/2001 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Master biochemical approaches used to identify control of development in key model organisms.
2. Master cell signaling pathways required for cell specification and determination.
3. Master key stages of development and understand the cellular and molecular events that drive embryos through the stages.
4. Master lab techniques in embryology, genetics, molecular biology necessary for the study of Developmental Biology.
5. Master molecular interactions required for cell specification and determination.
6. Understand historical contributions from embryology, anatomy, cell biology, genetics and biochemistry.
7. Understand how environment and disease can impact development.
8. Understand the molecular aspects that illustrate evolutionary conservation.
9. Understand the molecular aspects that illustrate evolutionary divergence.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted