A. Course Description

Credits: 5

Prerequisites:  
MATH 115 College Algebra  
OR  
MATH 120 Precalculus  

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week:

MnTC Goals: None

This course covers the functions of each of the organ systems of the animal body focusing on the physiological problems experienced by animals and the solutions that have evolved in various animal groups. The course includes an integrated laboratory in which students conduct physiological experiments. Intended for biology majors.


C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Competently conduct laboratory investigations in the area of animal physiology.
2. Explain and apply scientific knowledge in animal physiology and evolution, both theoretical and experimental, at the upper division level.
3. Read and interpret primary scientific literature in animal physiology and evolution.
4. Recall, explain and apply the concepts, knowledge and vocabulary of animal physiology at the level necessary for success in graduate and professional study in this field.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission. First day attendance required except by instructor permission.