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 comparative anatomy, development and evolution of the vertebrates. The course includes an integrated laboratory in which dissection of representative preserved vertebrates is performed. A weekend or evening field trip to zoo, aquarium and/or museum may be included. Intended for biology majors.


C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Competently dissect vertebrate specimens from a variety of taxonomic groups and identify major organs and their details.
2. Read and interpret primary scientific literature in comparative anatomy.
3. Recall, explain and apply scientific knowledge in comparative anatomy, both theoretical and experimental, at the upper division level.
4. Recall, explain and apply the concepts, knowledge and vocabulary of comparative anatomy 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.