Bemidji State University

BIOL 3250: Comparative Vertebrate Anatomy

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   Classification, adaptation, and evolutionary history of vertebrates; anatomy and functional morphology of vertebrates, including humans. Lecture and Laboratory. Prerequisites: BIOL 1211 and BIOL 1212.

B. COURSE EFFECTIVE DATES: 08/26/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Cat: Cardiovascular System & Internal Organs
   2. Cat: External Anatomy & Integument
   3. Cat: Myology
   4. Cat: Reproductive Systems
   5. Ostology: Reptilia & Aves
   6. Ostology: Fish & Amphibia
   7. Ostology: Mammalia & Human Skeleton
   8. Protochordates & Lamprey
   9. Sheep Heart, Brain & Beef Eye
   10. Cardiovascular System
   11. Digestive System
   12. Endocrine System & Embryology
   13. Integumentary System
   14. Muscular System
   15. Nervous System
   16. Reproductive System
   17. Respiratory System
   18. Sensory System
   19. Skeletal System
   20. Urinary System
   21. Vertebrate Phylegeny
D. LEARNING OUTCOMES (General)
   1. present one well-developed comparative vertebrate anatomy seminar to class.
   2. develop acceptable laboratory dissecting techniques.
   3. develop a working vocabulary of anatomical and morphological terminology
   4. understand the anatomy and functional morphology of the vertebrates.
   5. identify the anatomical structures of the vertebrate body systems.
   6. understand the classification, adaptation, and evolutionary history of the vertebrates.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted