COMPARATIVE ANATOMY AND PHYSIOLOGY — VTEC 1200

A. Course Description

- Credits: 1.00
- Lecture Hours/Week: 1.00
- Lab Hours/Week: 0.00
- OJT Hours/Week: 0
- Prerequisites: None
- Corequisites: None
- MnTC Goals: None

This course explores the body systems of small animals using the cat cadaver as a model. A systems approach is used to study basic anatomy and physiology of dogs and cats. Comparative reference will be made to a few important differences in anatomical structures of various large animal and exotic pet species.

B. Course Effective Dates: 1/8/18 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Classify common diseases affecting dogs and cats by the organ systems affected and briefly review several key points about each disease studied.
2. Compare the structure and function of the various types of body tissues.
3. Diagram the major bones in the skeleton of dogs, cats, horses and ruminants, and associate these with the proper location in the living animal.
4. Explain important anatomical differences between the various animal species
5. Explain the organization of the small animal body
6. Identify important anatomical landmarks of dogs and cats
7. Identify the major muscle groups in the body and associate these with the proper location in the living animal.
8. Locate the common venipuncture sites in various species.
9. Perform a necropsy postmortem examination on a non-preserved animal, collecting samples according to laboratory protocols

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted