

Course discipline/number/title: VT 2250: Large Animal Procedures

A. CATALOG DESCRIPTION

1. Credits: 3
2. Hours/Week: 5
3. Prerequisites (Course discipline/number): VT 1410, VT 1900, VT 1810, VT 1700
4. Other requirements: None
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION: This course introduces the livestock and equine industry and the various species of large animal livestock. This includes livestock terminology, breeds, production systems, basic management practices, preventive medicine, lameness examinations and conditions, necropsy procedures and animal products and by-products. Techniques covered will include restraint, behavior, and medical and surgical nursing procedures of large animals and equine. RECOMMENDED ENTRY SKILLS/KNOWLEDGE: High School diploma or GED Grade of C or better (high school or college level within the last five years) in the following courses: Biology with a lab, Chemistry with a lab, Elementary Algebra of equivalent Minimum one-year high school typing/keyboarding skills. Completion of all previous VT courses with a C or better.

B. DATE LAST REVISED (Month, year): February, 2021

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Breed identification
2. Restraint techniques
3. Physical examination
4. Administration of medication
5. Sample collection
6. Disease prevention

D. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Identify the breeds of food animals and equine.
2. Demonstrate techniques for administering medications and collection of samples.
3. Recognize the preventable disease of food animals and equine.
4. Identify common surgical procedures of food animals and equine including dehorning, prolepses' and caesarian sections.
5. Identify disease prevention protocols for food animal and equine.
6. Identify various methods of anesthesia in large animals.
7. Identify normal food animal and equine physical parameter values.
8. Define the technician's role in large animal nursing.
9. Apply large animal restraint devices including a twitch and tail restraint.
10. Halter, tie and lead horses and cattle.
11. Perform venipuncture on horses and cattle.
12. Perform all Essential Skills required by the American Veterinary Medical Association under large animals.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include any of the following:

1. Laboratory reports and/or quizzes
2. Tests
3. Laboratory practical tests
4. Work related experience with skill competency record
5. Course assignments
6. Group work/projects
7. Attendance (especially laboratory attendance)

- G. RCTC CORE OUTCOME(S): This course contributes to the following RCTC Core Outcome(s):  
Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.
- H. SPECIAL INFORMATION (if any):  
The initial lab session explains and familiarizes the student with general safety hazards and safety equipment to the lab. During the pre- lab discussion, the hazardous characteristics of any materials used during a lab are discussed. In addition, if the lab involves any potentially infectious or zoonotic material, the students will be instructed on the proper use and disposal. The instructor will direct all students to where necessary protective equipment while working with any hazardous chemicals. A copy of Safety Data Sheets for chemicals used is available in the lab.