Course Competency

ATE 2636L LARGE ANIMAL CLINIC AND NURSING SKILLS LAB

Course Description

This course is designed to acquaint the student with the fundamentals of large animal husbandry, herd health management, preventive medicine, animal restraint and nutrition as it relates to the bovine , equine, porcine and caprine species. Techniques discussed in the Large Animal Clinic and Nursing skills course such as venipuncture, injections and administration of other oral medications will be reviewed and demonstrated. One laboratory session will be devoted to poultry science. (2 hr. lab)

Course Competency	Learning Outcomes
Competency 1: The student will demonstrate understanding of large animal husbandry needs of the horse, cattle, goat, sheep, and pig by:	1. Communication 2. Critical thinking 3. Environmental Responsibility
1. Demonstrating knowledge regarding housing needs specific to the species. 2. Demonstrating knowledge regarding the various bedding or hay requirements for the horse. 3. Contrasting and comparing sanitation requirements for food stock versus rural farming.	
Competency 2: The student will demonstrate that they can perform basic grooming requirements for the equine by:	
1. Performing basic brushing techniques using proper tools. 2. Performing tail wraps. 3. Performing bandaging of the legs. 4. Demonstrating understanding of the necessity of shoeing a horse. 5. Performing hoof cleaning while using proper techniques. 6. Demonstrating knowledge of how to float horse's teeth.	

Competency 3: The student will demonstrate that they can take diagnostic radiographs of a horse by:	
1. Demonstrating x-ray safety by knowing and wearing required PPE. 2. Demonstrating proper handling of the x-ray cassette. 3. Operating digital x-ray machine and producing quality images.	
Competency 4: The student will demonstrate knowledge of how to perform a physical exam on cattle, sheep, goats, and equine species.	
1. Demonstrating assessment of TPR. 2. Performing auscultation of the heart for rate. 3. Recording history and clinical assessments accurately. 4. Demonstrating understanding and implementation of the California mastitis test (CMT).	
Competency 5: The student will demonstrate the ability to perform venipunctures on equine and ruminant species by:	
1. Demonstrating knowledge of locations to perform venipunctures. 2. Demonstrating they can safely and accurately handle a syringe and needle while performing venipuncture. 3. Drawing blood and placing sample into correct blood tube.	
Competency 6: The student will demonstrate that they can give an injection to horse or cattle by:	
1. Recognizing approved locations. 2. Recognizing the effects of intramuscular injections on food animals. 3. Demonstrating approved technique in giving intramuscular injections.	
Competency 7: Student will demonstrate knowledge of individual species behavior and ability to work safely with the various species by:	

1. Recognizing signs of distress in the various species. 2. Assessing how to approach the horse safely. 3. Demonstrating proper behavior when working in various large animal environments.	
Competency 8: Students will be able to restrain and use appropriate restraining devices for large animals by:	
1. Demonstrating knowledge of the various methods of restraint and devices used. 2. Demonstrating that they can safely use restraint equipment. 3. Demonstrating that they can operate a cattle squeeze chute.	

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