Course Description

ATE2636 | Large Animal Clinic and Nursing Skills | 2.00 credits

This course is designed to acquaint the student with the fundamentals of large animal herd management, reproductive physiology and lactation physiology. Aspects of equine, bovine, ovine and porcine husbandry will be included. Prerequisites: ATE1110, 1211 corequisite; ATE2636L.

Course Competencies:

Competency 1: The student will demonstrate knowledge of handling and restraining techniques standard to large animal species: horses, cattle, pigs, sheep, and goats by:

1. Operating various restraining devices
2. Comparing and contrasting the restraining methods
3. Displaying safe and identifying unsafe procedures to be observed during considerable animal restraint

Competency 2: The student will demonstrate knowledge of considerable animal species nursing care and husbandry by:

1. Identifying common breeds, including common faults
2. Explaining how these breeds are used
3. Demonstrating the management guidelines for different large animal species, including physiological data, average values feeding, housing, reproduction, and disease control
4. Enumerating the different protocols regarding the care of newborns, impending signs of distress, and monitoring the suckling response
5. Explaining the rationale of the cost of treatment versus the animal value that determines whether therapy is instituted and to what extent
6. Examining the differences and similarities of reproductive physiology of large animal species
7. Describing techniques for venipuncture, injections, and administration of oral medications

Competency 3: The student will demonstrate knowledge of various types of identification methods for large animals by:

1. Identifying and understanding the process of tattooing, tagging, photo identification, and micro-chipping

Learning Outcomes

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Describe how natural systems function and recognize the impact of humans on the environment