Miami Dade College

Course Description
ATE2661| Large Animal Disease | 1.00 credit
This course is designed to acquaint the student with the fundamentals of preventative medicine and with the common disease seen in large animal species. Aspects of equine, bovine, ovine and porcine diseases and common treatments will be emphasized. Prerequisites: ATE1110, 2636, 2636L; corequisite: ATE2611.

Course Competencies:
Competency 1: The student will recognize major diseases of horses, cattle, pigs, sheep, goats and citing the geographical distribution when applicable by:
1. Identifying diseases associated with horses, cattle, goats and pigs
2. Demonstrating knowledge of clinical signs of various diseases
3. Discussing geographical areas where diseases are commonly seen

Competency 2: The student will understand the diagnostic and treatment requirements for diseases associated with large animals by:
1. Demonstrating knowledge of the major diseases of horses, cattle, pigs, sheep, and goats and citing the geographical distribution when applicable
2. Defining the etiology, epidemiology, morbidity, mortality, and zoonoses of diseases when applicable
3. Demonstrating knowledge of the diagnostic requirements for various diseases
4. Demonstrating knowledge of the treatment options for various diseases
5. Communicating the diagnostic plans and treatment options to the large animal client
6. Demonstrating knowledge of vaccines and other preventions to control infection rates

Competency 3: The student will recognize large animal zoonotic diseases and diseases that must be reported to the USDA by:
1. Demonstrating knowledge of zoonotic diseases and their effect on the agricultural industry
2. Identifying the potential harm that zoonotic diseases can cause
3. Demonstrating knowledge of diseases that are reportable to the USDA

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