Course Description

Describes animal health and disease, surgical techniques, and animal behavior. Includes demonstrations and selected observation and practice in animal hospitals, clinics, or research laboratories. Part II of II. Lecture 2 hours. Total 2 hours per week.

General Course Purpose

This course is designed as a survey of the major infectious and noninfectious diseases affecting livestock and horses. It also covers the veterinary technician’s role in general, specialty and ambulatory practice.

Prerequisites/Corequisites

Prerequisites: VET 211. Enrollment is limited to those students program-placed in the veterinary technology curriculum or those students with special approval from the program head.

Course Objectives

Upon completion of this course, the student will be able to:

- Summarize the common diseases (by body systems) of equine, bovine, porcine, ovine, caprine and camelid species
- Describe the etiology, pathology, clinical signs, diagnosis, treatment, prevention, and public health significance of major equine and livestock diseases
- Explain the economic principles of livestock production and livestock practice including preventative medicine, parasite control and proper husbandry
- Identify and choose proper handling and restraint techniques for routine medical care based on species
- Detail the administration of medication, vaccination programs, specimen collection, routine diagnostics, medical procedures
- Describe how the credentialed veterinary technician assists the veterinarian in large animal farm procedures and field surgery
- Recognize clinical signs and behavior related to medical problems and disease of the various body systems of animals
- Describe management practices of large animal ambulatory services
- Explain routine preventative care and medical treatment plans to farmer

Major Topics To Be Covered

- Common zoonotic diseases and their significance to public health
- Common infectious and noninfectious diseases of bovine, caprine, ovine, porcine, equine and camelid species
- Basic principles of disease prevention, nutrition, husbandry in relations to the economics of modern veterinary medicine
- Comparative analysis of clinical signs between species and body systems
- Protocols and procedures for house or farm calls, portable veterinary medical equipment, and record keeping
- Exploration of the credentialed veterinary technician role in various types of clinical practices
- Present and future economic implications for veterinary technician within livestock and equine practice