

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY  
VET 212 - ANIMAL DISEASES II (2 CR.)**

**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