

# NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

## COURSE SYLLABUS

**Course Title:** Animal Pathology

**Course #:** VET\*220

**Course Description:** 3 semester hours. This course is the study of the more common diseases affecting domestic and farm animals. The causation, progression, transmission, treatment, and prevention are presented. The impact on public health and the role of the veterinary professional are discussed.

**Pre-requisite:** VET\* 151/151L, 152/152L, 205/205L, 212, 230/230L, 240

**Goals:** The student should develop an understanding of the disease process along with the associated pathology affecting the animal patient.

**Outcomes:** Upon completion of this course the student should be able to:

- Discuss disease prevention
  - Describe appropriate sanitation and isolation procedures
  - List diseases for which vaccines provide prophylaxis
  - Know the core vaccines for companion animal species and livestock
- Discuss diagnostic procedures and treatment protocols for specific diseases
  - Describe the appropriate diagnostic specimens collected for diagnosis of specific diseases
  - Explain how to ensure the safety of the patient, clients and staff when collecting specimens
  - Demonstrate understanding of the roles of urinalysis, whole blood and serum analysis, parasitology, coprology, cytology, microbiology, and body fluid analysis in the diagnosis of specific diseases
  - Describe the role that nutrition plays in treating and preventing specific endocrine and metabolic diseases
  - Explain key nutrition factors in selected disease conditions
  - Identify and describe common poisonous plants and explain the primary effects of the toxic substance contained
  - Identify common substances that cause toxicity when ingested and describe the primary effect of the toxin.
  - Describe methods to monitor therapeutic response to treatment
- Discuss various diseases with clients and offer valuable information
  - Deliver written and verbal client communication in a professional manner.
- Discuss the significance of potential public health hazards associated with animal disease
  - Recognize the role of state and federal agencies in the control of reportable diseases.

- Describe common and uncommon zoonoses and the personal protective measures that should be taken.