



Course Description

ATE2614 | Animal Medicine 2 | 3.00 credits

This course will explore general pathology, causes and nature of disease, toxicology, and an overview of pathologies of major systems, as well as immunity disease prevention, common vaccinations and diseases relating to small animals. Prerequisites: ATE1110, 2611.

Course Competencies:

Competency 1: The student will understand the basic concepts of clinical pathology by:

1. Discussing pathological changes in tissues, including cellular degeneration, gangrene, lipidosis, etc
2. Identifying the causes and nature of diseases produced by bacteria, viruses, and fungi
3. Explaining the different growth disturbances, the effect of heredity in certain diseased states, and the classification of neoplasia according to the tissue of origin
4. Citing common diseases specific to the circulatory, integument, muscular, skeletal, nervous, endocrine, genitourinary, digestive, respiratory, and special senses

Competency 2: The student will understand the immunological basis for vaccination and disease prevention by:

1. Defining the basis of vaccination and how vaccination prevents disease
2. Explaining the concept of antigen and antibody
3. Discussing immunoglobulins and their significant groups and functions
4. Describing standard vaccination protocols for dogs and cats
5. Discussing current ideas regarding risks of vaccination, duration of immunity, etc

Competency 3: The student will understand the treatment of common diseases by:

1. Recognizing the clinical signs of common diseases
2. Recognizing current treatment protocols used in practice
3. Demonstrating knowledge of pharmaceuticals used in treating common diseases

Learning Outcomes

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Demonstrate knowledge of ethical thinking and its application to issues in society