

# Course Competency

## ATE 2614 ANIMAL MEDICINE 2

### Course Description

This course will explore general pathology, causes and nature of disease, toxicology, and an overview of the pathologies of the major systems, as well as immunity, disease prevention, common vaccinations and diseases relating to small animals. Prerequisites: ATE 1110, 2611. (3 hr. lecture)

Course Competency	Learning Outcomes
<p><b>Competency 1:</b>The student will understand the basic concepts of clinical pathology by:</p>	<ol style="list-style-type: none"> <li>1. Communication</li> <li>2. Critical thinking</li> <li>3. Social Responsibility</li> <li>4. Computer / Technology Usage</li> <li>5. Ethical Issues</li> </ol>
<ol style="list-style-type: none"> <li>1. Discussing pathological changes in tissues including cellular degeneration, gangrene, lipidosis, etc.</li> <li>2. Identifying the causes and nature of diseases produced by bacteria, viruses and fungi.</li> <li>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.</li> <li>4. Citing common diseases specific to the circulatory, integument, muscular, skeletal, nervous, endocrine, genitourinary, digestive, and respiratory and special senses.</li> </ol>	
<p><b>Competency 2:</b>The student will understand the immunological basis for vaccination and disease prevention by:</p>	
<ol style="list-style-type: none"> <li>1. Defining the basis of vaccination and the way in which vaccination prevent disease.</li> <li>2. Explaining the concept of antigen and</li> </ol>	

<p>antibody.</p> <ol style="list-style-type: none"> <li>3. Discussing the immunoglobulins and their major groups and functions.</li> <li>4. Describing common vaccination protocols for dogs and cats.</li> <li>5. Discussing current ideas regarding risks of vaccination, duration of immunity, etc.</li> </ol>	
<p><b>Competency 3:</b>The student will understand the treatment of common disease by:</p>	
<ol style="list-style-type: none"> <li>1. Recognizing the clinical signs of common diseases</li> <li>2. Recognizing current treatment protocols used in practice</li> <li>3. Demonstrating knowledge of pharmaceuticals used in treating common diseases</li> </ol>	

Updated: FALL TERM 2022