

Course Competency

ATE 2611 ANIMAL MEDICINE 1

Course Description

This course is designed to acquaint the student with anesthesiology, asepsis and general surgical nursing care, essentials in pharmacy and pharmacology, and concepts in microbiology, virology, and immunology. (3.00 credits)

Course Competency	Learning Outcomes
<p>Competency 1: The student will demonstrate understanding of anesthetic pharmacology by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy
<ol style="list-style-type: none"> 1. Identifying drugs commonly used in Small Animal anesthetic procedures (sedatives, tranquilizers, induction and maintenance) 2. Demonstrating knowledge of drug classes 3. Demonstrating knowledge of specific indications of use of various anesthetic drugs 4. Demonstrating knowledge of drug side effects and contraindications 5. Demonstrating knowledge of the routes of administration 6. Demonstrating knowledge of various anesthetic gasses, indications and side effects Identify drugs commonly used for pocket pets and exotics 	
<p>Competency 2: The student will demonstrate knowledge of patient care during anesthetic procedures by:</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of pre, peri and post-op care 2. Demonstrating knowledge of the stages of anesthesia 3. Demonstrating knowledge of patient risks 	

<p>for anesthesia</p> <ol style="list-style-type: none"> 4. Demonstrating knowledge of patient preparation for anesthesia 5. Demonstrating knowledge of laboratory test used to assess patients for anesthesia and the information obtained from those test 	
<p>Competency 3:The student will demonstrate knowledge of the anesthesia machine and monitoring equipment by:</p>	
<ol style="list-style-type: none"> 1. Identifying components of the anesthesia machine and their function 2. Demonstrating knowledge of information obtained from various monitoring equipment used in a veterinary hospital 3. Demonstrating knowledge of monitoring procedures using monitoring equipment 4. Demonstrating knowledge of how to monitor patient without the use of anesthesia monitoring equipment 5. Demonstrating knowledge of how to interpret data obtained from monitoring 6. Demonstrating knowledge of how to address abnormal values 7. Analyzing the pathophysiology of abnormal values 	
<p>Competency 4:The student will demonstrate ability to discuss intubation procedure by:</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of the different types of endotracheal tubes 2. Demonstrating knowledge of proper placement of the endotracheal tube 3. Demonstrating knowledge of complications involving the endotracheal tube 4. Demonstrating knowledge of how to inflate and deflate the cuff 	
<p>Competency 5:The student will demonstrate knowledge of ECG by:</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of the anatomy 	

<p>and physiology of cardiac rhythm</p> <ol style="list-style-type: none"> 2. Demonstrating knowledge of what is a normal rhythm 3. Demonstrating knowledge of the various arrhythmias 4. Demonstrating knowledge of the role the ECG plays in monitoring the anesthetic or nursing care patient 5. Demonstrating knowledge of clinical signs of a patient with a significant arrhythmia 6. Demonstrating knowledge of drugs used to control arrhythmias and administration of drugs 	
<p>Competency 6:The Student will demonstrate knowledge the role of fluid therapy for the anesthesia patient by:</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of fluid rates for anesthesia patients 2. Demonstrating knowledge of fluids types used for the anesthetic patient 3. Demonstrating knowledge of the role of fluid therapy for hypotension in the anesthesia patient 	
<p>Competency 7:The student will demonstrate knowledge of drugs used in Cardiac Arrest by :</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of drug classes and names of drugs used during CPR 2. Demonstrating knowledge of indications and side effects 	
<p>Competency 8:The student will demonstrate knowledge of pain management in the canine and feline by:</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of terminology associated with pain 2. Demonstrating knowledge of various drug classes and drug types used for pain management in small animal medicine 3. Demonstrating knowledge of behavioral and physiological signs of pain 4. Demonstrating knowledge of pain 	

<p>assessment</p> <ol style="list-style-type: none"> 5. Demonstrating knowledge of pain score chart and its use 6. Demonstrating knowledge of theory of preemptive analgesia 	
<p>Competency 9:The student will demonstrate knowledge of common surgical procedures, post op nursing care and client instructions by:</p>	
<ol style="list-style-type: none"> 1. Demonstrating knowledge of OHE 2. Demonstrating knowledge of Castration 3. Demonstrating knowledge of Laparotomy 4. Demonstrating knowledge of Thoracotomy 5. Demonstrating knowledge of Cystotomy 6. Demonstrating knowledge of orthopedic procedures 	

Updated: FALL TERM 2022