

Course Competency

ATE 1630 PHARMACOLOGY FOR VETERINARY TECHNICIANS

Course Description

This introductory course reviews drug classification and office procedures/ management. Students will learn methods of calculating appropriate drug dosage, routes of administration, and evaluation of drug efficacy as well as office procedures used in veterinary hospital management. (2 hr. lecture)

Course Competency	Learning Outcomes
<p>Competency 1:The student will learn the basic knowledge associated with pharmacology by:</p>	<ol style="list-style-type: none"> 1. Numbers / Data 2. Critical thinking 3. Communication 4. Environmental Responsibility
<ol style="list-style-type: none"> 1. Articulating terminology associated with pharmacology 2. Using terminology associated with pharmacological responses in a clinical situation 	
<p>Competency 2:The student will recall and apply concepts learned in anatomy and physiology by:</p>	
<ol style="list-style-type: none"> 1. Identifying and associating anatomy and physiology concepts used when discussing the various drug classes 2. Identifying physiological responses associated with the various drugs and their effects on the body systems 	
<p>Competency 3:The student will be able to read and understand prescriptions and prescription drug labels by:</p>	
<ol style="list-style-type: none"> 1. Reading prescriptions and determine patient's drug dose and dosage for Rx 2. Writing a drug prescription using proper abbreviations and terminology 	

<ol style="list-style-type: none"> 3. Reading, analyzing and using common prescription abbreviations 4. Reading a drug label and discern brand and generic name, concentration of the drug and storage requirements 5. Identifying the label if a drug is a controlled substance 6. Learning how to stay informed on current information regarding various drugs used in veterinary medicine 	
<p>Competency 4:The student will be able to identify and manage controlled substances by:</p>	
<ol style="list-style-type: none"> 1. Identifying schedules of controlled substances 2. Discussing the differences in schedules 3. Demonstrating management of the inventory of controlled substances 4. Demonstrating how to use a controlled substance log 	
<p>Competency 5:The student will review methods of administering drugs by:</p>	
<ol style="list-style-type: none"> 1. Discussing advantages and disadvantages of the various methods of giving a medication 2. Reading syringe volumes and amount of drug pulled up into syringe 	
<p>Competency 6:The student will recognize the various drug classifications and drug names associated with classifications by:</p>	
<ol style="list-style-type: none"> 1. Identifying drug indications and contraindications 2. Identifying the adverse side effects of each drug and clinical signs associated with them 3. Identifying drugs associated with the treatment of various disease processes seen in veterinary medicine 4. Identifying the physiologic parameters used to monitor the patient receiving various drugs 	

<p>Competency 7:The student will be able to perform basic nursing math skills used in a clinical setting by:</p>	
<ol style="list-style-type: none"> 1. Applying conversions from apothecary to the metric systems moving freely between both of them 2. Converting pounds to kilograms or kilograms to pounds 3. Calculating drug dose as written in a prescription 4. Calculating dilution concentrations 	

Updated: FALL TERM 2022