

Common Course Outline

VETT 212

Pharmacology and Toxicology

3 Credits

Community College of Baltimore County

Description

VETT 212 – Pharmacology and Toxicology provides instruction in basic pharmacology and medication administration. Students examine the effects of drugs on a variety of animal species. The manner in which toxins affect animals is also discussed.

3 Credits

Prerequisites: VETT 107, VETT 109

Overall Course Objectives

Upon completion of this course students will be able to:

1. compare drug classifications and actions of medications;
2. analyze factors that may affect the action of selected medications;
3. apply commonly approved abbreviations;
4. identify the components of the medication order;
5. distinguish medication side effects, adverse reactions, and implications;
6. discuss the components of safe medication administration for various species;
7. demonstrate competency in dosage calculations;
8. examine the procedure for maintaining the veterinary pharmacy and drug inventory;
9. execute the procedure for recording controlled substances; and
10. examine the toxicology effects of drugs on the body's systems.

Major Topics

- I. Medication nomenclature
- II. Pharmacodynamics
- III. Approved abbreviations
- IV. Medication orders
- V. Medication classifications
 - A. Cardiovascular
 - B. Respiratory
 - C. Endocrine
 - D. Analgesics
 - E. Antibiotics
 - F. Immunizations
 - G. Gastrointestinal
 - H. Genitourinary

- I. Euthanasia
- VI. Dosage
 - A. Weights and measures
 - B. Calculating dehydration
 - C. Intravenous calculations
- VII. Veterinary pharmacy management and inventory
- VIII. Drug administration
- IX. Controlled substances
- X. Toxicology

Course Requirements

Grading procedures will be determined by the individual faculty member but will include the following:

Grading/exams

- A minimum of three examinations
- A minimum of two quizzes

Written Assignments: Students are required to use appropriate academic resources. American Psychological Association (APA) format is required for all submissions.

Revised: 10/03/2018