

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
VET 216 - ANIMAL PHARMACOLOGY (2 CR.)**

Course Description

Studies drugs and other medical substances of veterinary importance. Includes their characteristics, usage, measurement, dosage, administration, and also pharmacy management. Lecture 2 hours. Total 2 hours per week

General Course Purpose

To acquaint the student with the various aspects of pharmacology and pharmacy management as applied in clinical veterinary practice.

Course Prerequisites/Corequisites

Prerequisites: CHM 101 or equivalent. Enrollment is limited to those students program-placed in the veterinary technology curriculum or those students with special approval from the program head.

Course Objectives

Upon completion of this course, the student will be able to:

- Identify the major classes of pharmaceuticals and describe their routine uses in veterinary practice
- Explain therapeutic principles, routes of administration, contraindications and adverse reactions of major classes of drugs
- Apply weight and measurements of metric and English systems and demonstrate conversion between the systems
- Perform dosage calculations, prepare labels and dispense medications
- Demonstrate the ability to perform pharmacy management, including inventory control, ordering of drugs and supplies, and storage and shelving of therapeutic agents
- Identify all the applicable laws pertaining to controlled substances and the proper procedures for ordering, dispensing, administration, storage and record keeping of scheduled drugs
- Explain and/or demonstrate administration of medication to clients and communicate to clients the important information concerning medication

MAJOR TOPICS TO BE COVERED

- Major types and groups of drugs, their pharmaceutical properties and uses
- Routes of administration of drugs - the metabolism and excretion from the body
- Common adverse reactions, side effects and contraindications of various pharmaceuticals
- Calculating dosages, preparation, labeling and dispensing of medications
- Management of veterinary hospital pharmacy including ordering of drugs, inventory, storage and shelving procedures
- Procedures for handling controlled substances
- Communication with clients concerning administration and properties of pharmaceuticals

ADDITIONAL TOPICS:

- The role of the FDA Veterinary Branch
- The drug approval process