

## VETT 133-PHARMACY & MEDICAL THERAPEUTICS II

2 CREDITS

### SYLLABUS

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#### CATALOG DESCRIPTION

This course is an advanced level course that reinforces concepts introduced in VETT 114 Pharmacology and Medical Therapeutics 1. This course will introduce the physiological principles of drug action based on a systems-oriented approach. The body systems studied in this course include the cardiovascular, respiratory, endocrine, and gastrointestinal physiology, as well as medications impacting those systems. Previous skills in pharmacological calculations will be reinforced and more advanced concepts in pharmacological calculations will be presented.

**Prerequisites:** Completion of VETT 114 Pharmacology and Medical Therapeutics 1, General Education requirements for entrance into Tier 2, and VTDLP approval of an OCCI site for completion of clinical tasks.

**Semester Offered:** All

#### *COMMON STUDENT LEARNING OUTCOMES*

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

##### BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

##### CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

##### CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

##### EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

##### INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

##### INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

## COURSE LEARNING OUTCOMES

*Upon successful completion of the course, the student will be able to...*

1. Apply the students' knowledge of various classes' veterinary pharmaceuticals.
2. Describe and identify physiological processes of the cell, digestive system, cardiovascular system, respiratory system, and endocrine system.
3. Properly prepare and dispense veterinary prescriptions.
4. Perform pharmaceutical calculations and dosage calculations.