

VETT 216-VET CLINICAL PATHOLOGY III 2 CREDITS**SYLLABUS**

CATALOG DESCRIPTION

Veterinary Clinical Pathology 3 is an advanced course designed to instruct students in hematology, cytology, histopathology, blood chemistry, urinalysis, and diagnostic microbiology.

Prerequisites: Student must have clinical site and preceptor approved.

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. Perform a complete urinalysis including gross examination, chemical and microscopic examination.
2. Perform blood chemistry testing analysis to include performing these tests on blood analyzers.

3. Perform microbiological procedures and identification of common bacteria.
4. Perform cytological procedures and identification of common cells seen in cancer and fluids such as transudates and exudates.
5. Demonstrate making blood smears and performing WBC differentials, and WBC corrections.
6. Calculate RBC indices.
7. Perform serological tests.