



EFFECTIVE: JANUARY, 2008
CURRICULUM GUIDELINES

A. Division: **Education** Effective Date: January, 2008

B. Department / Program Area: **Science & Technology** / **Animal Health Technology** Revision New Course

If Revision, Section(s) Revised:
 Date of Previous Revision:
 Date of Current Revision:

C: AHTT 1202 **D: Veterinary Laboratory Procedures II** **E: 3**

Subject & Course No.	Descriptive Title	Semester Credits
F: Calendar Description:	<p>This course will further develop veterinary clinical and laboratory skills, including serum chemistry testing, and tissue and fluid collection and analysis. Cytological techniques and microbiology are reviewed for all relevant species, with the emphasis being on pathogens relevant to companion (small) animals. Included will be a review of the mathematics necessary for success in the laboratory and in test interpretation. The detailed review of veterinary laboratory procedures are also completed in this course.</p>	
G:	<p>H: Course Prerequisites:</p> <p>AHTT 1102</p> <p>I: Course Corequisites:</p> <p>None</p>	

College Credit Non-Transfer
 College Credit Transfer:

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)

3. Clinical Pathology Part IV:

a. Cytology

- tissue sampling and collection techniques
- preparation and staining
- gross and microscopic tissue and fluid analysis

b. Histopathology

- tissue sample collection and preservation

c. Necropsy

- demonstration and understanding of techniques
- tissue sample collection and handling

4. Microbiology:

- pathogen (bacterial, viral, fungal) growth patterns, morphology, testing techniques and control methods
- sample collection, including use of culture media
- gross colony and microscopic organism evaluation, with coverage of staining techniques
- biochemical analysis
- laboratory safety and quality control
- basics of antibiotic therapy and applications to common veterinary pathogens

O: Methods of Instruction:

This course involves one hour per week of classroom instruction and three hours per week of laboratory activity.

P: Textbooks and Materials to be Purchased by Students:

Foreyt, W.J., 2001, *Veterinary Parasitology Reference Manual*. 5th ed., Blackwell Publishing.

Hendrix, C.M., 2002, *Laboratory Procedures for Veterinary Technicians*. 4th ed., Mosby.

McCurin, D.M. & Bassert, J.M., 2006, *Clinical Textbook for Veterinary Technicians*. 6th ed., Elsevier.

Q: Means of Assessment:

Written Assignments	10
Laboratory Assignments & Projects	20
Quizzes	10
Midterm	25
Preparation, Participation & Attendance	10
Final Examination	25

Grades: A+ 95-100, A 90-94, A- 85-89, B+ 80-84, B 75-79, B- 70-74,

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Education Council / Curriculum Committee Representative

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