



EFFECTIVE: SEPTEMBER 2008 CURRICULUM GUIDELINES

A. Division: **Education** Effective Date: September 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 2307 **D: Veterinary Clinic 2** **E: 3**

Subject & Course No.	Descriptive Title	Semester Credits
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<p>F: Calendar Description:</p> <p>This course will emphasize practical aspects of large animal veterinary technology. Topics will include handling and restraint, husbandry, anatomy, anaesthesiology, surgical assisting and preventative medicine of both equines and ruminants.</p> <p>Enrolment is limited to students in the Animal Health Technology Program.</p>	
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<p>G: Allocation of Contact Hours to Type of Instruction / Learning Settings</p> <p>Primary Methods of Instructional Delivery and/or Learning Settings:</p> <p>Clinical / Laboratory / Field Workplace Lab Instruction (WLI)</p> <p>Number of Contact Hours: (per week / semester for each descriptor)</p> <p>6-8 hours/week</p> <p>4 weeks: lecture / lab 8 weeks: clinical / laboratory / field/ WLI 3 weeks: practicum / internship</p> <p>Number of Weeks per Semester:</p> <p>15 weeks</p>	<p>H: Course Prerequisites:</p> <p style="text-align: center;">AHTT 2107</p> <p>I: Course Corequisites:</p> <p style="text-align: center;">None</p> <p>J: Course for which this Course is a Prerequisite</p> <p style="text-align: center;">None</p> <p>K: Maximum Class Size:</p> <p style="text-align: center;">30</p>
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L: PLEASE INDICATE:

	Non-Credit
X	College Credit Non-Transfer
	College Credit Transfer:

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

M: Course Objectives / Learning Outcomes

Upon completion of the course students will be able to:

1. Safely handle and restrain both equines and ruminants.
2. Understand husbandry principles to maintain the health and welfare of equines and ruminants.
3. Review the basic anatomy and physiology of the above species, with emphasis on the relevant practical aspects.
4. Administer analgesia and perform anaesthesia effectively on the above species.
5. Practice all aspects of surgical assisting and patient aftercare in the above species.
6. Develop programs to promote preventative medicine in both equines and ruminants.

N: Course Content

The major topics in the course include

1. Large animal handling and restraint
 - observation of normal and abnormal behaviour
 - safe and thorough physical examination and monitoring of vital signs
 - evaluation of overall body condition with regard to disease states
2. Large animal husbandry
 - care of the neonate and neonatal diseases
 - recognition of good husbandry practices including housing, nutrition and preventative health programs
 - practical aspects of hoof care and trimming and grooming techniques
3. Large animal anatomy and physiology
 - use of directional, positional and common anatomical terms as they relate to various species
 - review of dental anatomy and physiology to enable and practice adequate dental care
 - review of major body systems, their major organs, and the general function of each organ in order to recognize significant clinical signs
4. Large animal anaesthesia and surgical assistance
 - provision of adequate analgesia/anaesthesia and humane treatment to ensure patient comfort
 - recognition of injection sites, administration of injectables, and venipuncture
 - aspects of aseptic technique, preparation of surgery, personnel and patient pre-operatively
 - practical wound healing and management, bandaging techniques and patient care post-operatively
5. Large animal preventative medicine
 - aspects of individual and herd health
 - AHT's role in preventative medicine including blood testing and common laboratory techniques
 - creation of vaccination protocols, and administration of vaccines, deworming and other medications
 - prevention of respiratory syndromes, lameness, colic, peri-parturient diseases, and other common conditions
6. Practicum's and field trips
 - race track
 - equine breeding farms
 - artificial insemination facilities
 - dairy farms
 - goat, pig and poultry farms
 - mobile practices and veterinary clinics of equine, dairy and food animals
 - abattoir

O: Methods of Instruction

This course involves eight hours per week of classroom instruction or laboratory activity for four weeks. In addition, students will spend six to eight hours per week for eight weeks in Workplace Lab Instruction in large animal veterinary clinics and related facilities to develop workplace practical skills. Finally, a three week practicum will allow students individual internship experience.

P: Textbooks and Materials to be Purchased by Students

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

Equine Research Inc., 2007 *Illustrated Veterinary Encyclopedia for Horsemen*, ERI Texas

Q: Means of Assessment

TYPE OF EVALUATION	PERCENTAGE (total 100%)
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Practical exams	20-30
Laboratory Assignments & Projects	20-40
Preparation, Participation & Attendance	10
Final Examination	20-40

Grades: A+ 95-100, A 90-94, A- 85-89, B+ 80-84, B 75-79, B- 70-74,
C+ 65-69, C 60-64, C- 55-59, P 50-54, F 0-49.

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

NO

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Course Designer(s)

Education Council / Curriculum Committee Representative

Dr. Sandy Vanderburgh

Dean / Director

Registrar