



**Douglas  
College**

**EFFECTIVE: SEPTEMBER, 2008  
CURRICULUM GUIDELINES**

A. Division: **Education** Effective Date: **September 2008**

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

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

C: **AHTT 2107** D: **Veterinary Clinics I** E: **3**

Subject & Course No.	Descriptive Title	Semester Credits						
<p><b>F:</b> Calendar Description: This course will consist mainly of group field trips to varied hospitals and facilities in the Lower Mainland. Experience in lab animal science, clinical pathology, radiology, anaesthesia, restraint and ward care of small animals will be gained. Seminars and lab groups on campus will further round out this practical course.</p>								
<p><b>G:</b> Allocation of Contact Hours to Type of Instruction / Learning Settings</p> <p>Primary Methods of Instructional Delivery and/or Learning Settings:</p> <p><b>Lecture/Lab/WLI (Workplace based lab. Instruction)</b></p> <p>Number of Contact Hours: (per week / semester for each descriptor)</p> <p><b>4 hours/week for 12 wks; then 8 hrs/wk 3 wks; 1 x 2 hr lecture/seminar &amp; 1 x 2 hr laboratory for 6 wks; then 1 x 4 hr WLI placement for 6 wks; then 1 x 8 hr internship day placement 3 wks.</b></p> <p>Number of Weeks per Semester: <b>15 weeks</b></p>	<p><b>H:</b> Course Prerequisites: Successful completion of Year 1 of the AHT program</p> <p><b>I:</b> Course Corequisites: None</p> <p><b>J:</b> Course for which this Course is a Prerequisite Clinics 2</p> <p><b>K:</b> Maximum Class Size: <b>30</b></p>							
<p><b>L:</b> PLEASE INDICATE:</p> <table border="1"> <tr> <td><input type="checkbox"/></td> <td>Non-Credit</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>College Credit Non-Transfer</td> </tr> <tr> <td><input type="checkbox"/></td> <td>College Credit Transfer:</td> </tr> </table> <p>SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (<a href="http://www.bcctransferguide.ca">www.bcctransferguide.ca</a>)</p>			<input type="checkbox"/>	Non-Credit	<input checked="" type="checkbox"/>	College Credit Non-Transfer	<input type="checkbox"/>	College Credit Transfer:
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**M:** Course Objectives / Learning Outcomes

The student will:

1. Become familiar with and gain practice in the AHT's role in the field of Laboratory Animal Science. This will include gaining familiarity with CALAS, and the restraint, nursing and handling of various laboratory animal species.
2. Build upon and practice the technical skills learned in Lab Procedure courses, and develop a working knowledge of other clinical pathology skills relevant to the AHT.
3. Gain further practice in and understanding of the technologist's role in small animal anaesthesia and radiology in a practical setting.
4. Gain more experience in handling and restraint of both small and large animals, as well as exotic species.
5. Learn to develop plans for ward management and patient care in a veterinary setting.
6. Be able to perform common emergency procedures and CPR on dogs and cats.
7. Be able to discuss animal welfare and ethical issues that may arise in clinical practice.

**N:** Course Content:**Ethics & the AHT:**

Lectures and seminars in animal welfare including husbandry and research issues; client care; patient care; euthanasia, emergency medicine. The AHT's legal role in clinics in British Columbia and other provinces, especially as applies to workplace/clinic issues.

**Laboratory Animal Science:**

- CALAS (Canadian Association of Laboratory Animal Science): the scope of organization and role in Canadian research institutions; CALAS training program in care and husbandry of lab animal species.
- Restraint and handling of mice, rats, guinea pigs, rabbits and other species.
- Gain experience in the common protocols including isolation procedures used in research laboratories.
- Tour of local research & care facilities (and hands-on experience where possible).

**Clinical Pathology:**

- Bacteriology, haematology, urinalysis, cytology review
- Tour of provincial veterinary and private veterinary laboratories; with clinical pathology WLI modules to include post-mortem, biopsy techniques and virology assessments.

**Emergency Medicine:**

- Vancouver Animal Emergency Clinic, Fraser Valley Animal Emergency Clinic, Central Animal Emergency Clinic, Canada West Veterinary Specialists –visits to and from specialists with emphasis on gaining technical skills commonly used in emergency situations. (CPR, radiology, clinical sample collection and treatment via centesis, fluid therapy options, catheterizations to be included)
- Decision making and grief counselling in emergency situations
- Post emergency nursing (with concentration on early stabilization phase)
- Hit by car, “big dog little dog”, FLUTD, toxin ingestion and other common emergencies – review of protocols and practice in needed skills as possible

**Ward Management :**

- Visits to small & large animal practices to learn various protocols used in different hospitals for patient care.
- Review of AAHA, CVMA, and provincial standards of practice as apply to patient care in clinics in BC.
- Internship at end of course will emphasize relevant ward nursing skills

**Small and Large Animal Nursing:**

- Small group visits (and individual internship time) to small and large animal practices to gain further experience in the nursing skills of the AHT.
- practicing restraint for demonstrations in radiology and anaesthesiology at local practices and farms.
- Practical applications of veterinary pharmacology.
- Vaccine and routine procedures clinics for rescue organizations

**Exotic species:**

- Role of the AHT in exotic medicine.
- Visits to and by specialists in rescue, rehabilitation and animal education (eg. Vancouver Aquarium) organizations with emphasis on AHT role in animal care
- Practice in safe and humane restraint, and clinical procedures for avian, reptile, marine mammal or other species as possible.

**O:** Methods of Instruction

This course includes four hours of classroom instruction per week for 6 weeks; then moves to 4 hours of workplace- based lab instruction per week for 6 weeks; then includes 8 hrs per week of internship experience for the remainder of the course.

**P:** Textbooks and Materials to be Purchased by Students

1. McCurnin, Dennis & Bassert, J.M. 2006*Clinical Textbook for Veterinary Technicians*. Elsevier. 6<sup>th</sup>ed. (required).
2. Crowe, Steven E. 2006 *Manual of Clinical Procedures in the Dog, Cat & Rabbit*. Blackwell Publishing. 2<sup>nd</sup> edition, (required).
3. Course pack (including competencies checklist) for AHTT 2107
4. Sirois, Margi. Current edition *Principles and Practice of Veterinary Technology*. Mosby Inc. (recommended)

**Q:** Means of Assessment

Seminar presentations	10-15%.
Assignments	15-25%.
Midterms (written and practical)	20-30%.
Attendance and participation	10%.
Internship evaluation & competency checklist	10%.
Final exam	<u>15 -25%</u>
	100%

**R:** Prior Learning Assessment and Recognition: specify whether course is open for PLAR  
NO

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Course Designer(s)  
Diane Boyle, DVM

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Education Council / Curriculum Committee Representative

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Dean / Director  
Sandy Vanderburgh

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Registrar