

**COURSES NUMBERS:** 145-SE9-LG  
145-SEA-  
**WEIGHTING:** 0-10-1  
**SESSION:** Winter-2021

**REGULAR EDUCATION**

# SYLLABUS

**DEPARTMENT:** Animal health Technology

**COURSES TITLES:** Veterinary clinic training course

Animal experimentation training course

**NAMES OF TEACHERS IN CHARGE:**

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# 1. TRAINING COURSE DESCRIPTION

- During their final semester, animal health students must take two compulsory training courses: one in a veterinary clinic and one in an experiment laboratory.
- \* Each compulsory training course is five weeks long for a minimum of 150 hours and a maximum of 200 hours (30 to 40 hours per week).
- The dates for training courses are:
  - From March 1<sup>st</sup> to April 2<sup>th</sup>, 2021, and
  - From April 12<sup>th</sup> to May 14<sup>th</sup>, 2021.
- \* The training course schedule will be established following a mutual agreement between employer and student.

## 1.1. VETERINARY CLINIC TRAINING COURSE

### Learning Objectives

This training course's chief objective is to prepare students in assisting a veterinarian during ordinary interventions in a veterinary clinic. Cats and dogs are the species primarily addressed in this training course. However, farm animals such as cows, horses, pigs, goats, sheep, etc., as well as all other species (exotic animals, birds, wild animals, etc.) that may be receiving veterinary treatments are also part of this clinical training course in a clinic. On terminating this training course, students will possess the following knowledge and skills:

### Reception and Secretarial Duties

- Informing customers on the treatments animals require.
- Welcoming clients and speaking courteously to them.
- Evaluating the level of gravity of animal care required according to the information given over the telephone or in person by the client.
- Giving first aid tips.
- Transferring pertinent calls to the veterinarian and planning appointments.
- Keeping customer files up to date.
- Helping with billing and cashier duties.

### Consultation

- Assisting the veterinarian during consultations.
- Preparing vaccines and other medicine.

### Nursing

- Administering medicine by proper means.
- Administering prescribed care (dressing, bandages and hydrotherapy).
- Carrying out tasks related to animal hygiene (claw trimming, bathing, emptying anal glands, etc.).

- Administering orthopaedic care.
- Taking samples: blood, urine, feces, tumours and others.
- Being able to provide dental care.
- Treating animals with contagious diseases.
- Handling and restraining animals adequately.
- Observing animal behaviour, and refining techniques of approach and restraint.
- Observing clinical signs and trying to make an adequate evaluation of an emergency situation.
- Establishing links between clinical signs and current diseases, and the effects of medication and the presence of pain.
- Using efficient methods to prevent the spread of diseases.
- Helping with the writing of files, forms and records.

### **Surgery**

- Preparing the operating room, instruments, anesthetic apparatus and other materials.
- Preparing the animal for surgery (shaving, disinfecting).
- Assisting the veterinarian with anaesthesia and monitoring.
- Assisting the veterinarian during surgery.
- Looking after the animal and seeing to its well-being during the post-surgery phase.
- Working according to principles of asepsis.

### **Sterilization**

- Sterilizing all nursing and surgical materials and instruments.

### **Radiology**

- Assisting with standard and contrast X-rays.
- Developing X-rays.

### **Laboratory**

- Carrying out laboratory analysis (at the clinic):

Coprology  
Haematology and biochemistry  
Urine analysis

### **Materials and Pharmaceuticals Management**

- Overseeing medications.
- Making the inventory, and preparing and receiving orders.
- Preparing authorized prescriptions.
- Routine preventive maintenance of materials and apparatuses used in a veterinary clinic.

## 1.2. **TRAINING COURSE IN ANIMAL EXPERIMENTATION**

### **Learning Objectives**

The training course's location is chosen according to learning elements which cannot be adequately covered in the College curriculum either because of the cost of equipment or because of the working context. Animal species subject to experimentation are primarily: rabbits, rats, mice, hamsters, guinea-pigs and non-human primates. Secondly, one finds all other species that could be used in research (dogs, lambs, goats, cats, fish, amphibians, birds).

Depending on the environment offered by the training course, the student could be involved in various levels in:

- Working on the execution of a research protocol.
- Being an active team member during scientific procedures.
- Participating in the development, planning and implementation of a technical protocol.
- Evaluating the quality of techniques used and the validity of the resulting data.
- Analysing data and carrying out bibliographical and electronic research.
- Respecting aspects peculiar to the maintenance and handling of animals under experimentation.
- Acquiring a sense of objectivity and scientific rigour.
- Respecting animal life while handling laboratory animals.
- Knowing how to use costly, complex and sometimes dangerous apparatuses.
- Applying techniques learned in College and being confronted with the demands of research practices.
- Working according to job safety standards.

### **Elements of Course Content**

- Assisting a professional within the framework of a research protocol.
- Executing skilfully techniques related to the maintenance, handling and use of laboratory animals.
- Caring for and watching over the well-being of animals in the animals' rooms.
- Carrying out administrative tasks such as: keeping files, taking inventory and preparing orders.
- Admitting animals to the clinic.
- Supervising the overall functioning of the centre according to the recommendations of the Canadian Council on Animal Care (CCAC).
- Developing scientific communication skills.
- Giving information tips to personnel regarding basic care and some curative cares of laboratory animals
- Assisting the clinician, carrying out or enriching already acquired techniques in anaesthesia or in experimental surgery.
- Taking samples for laboratory analyses (blood, urine, feces, tumours and others).
- Carrying out specific tests on laboratory animals, performing a follow-up on these animals and writing reports.

- Recognizing clinical signs of discomfort or pain among different species.
- Perform euthanasia on an animal according to humanitarian criteria and pronouncing the death according to exact signs.
- Performing prescribed medical care.
- Preparing doses of medicine and administering them by proper means.
- Disinfecting and following rules of hygiene (concept of transgenic animals, for example).
- Working according to job safety standards.

## 2. EVALUATION

|                          |            |
|--------------------------|------------|
| Performance in training: | 50%        |
| Student's report         | <u>50%</u> |
|                          | 100%       |

## 3. ROLES AND RESPONSIBILITIES OF THE TRAINEE

- Rigorously observe the principles of medical and veterinary deontology, as well as professional secret.
- Maintaining harmonious relationships with one's co-workers.
- Respecting a company's schedule and rules and its particular workplace philosophy.
- Avoiding absenteeism during the training course.

## 4. ROLES AND RESPONSIBILITIES OF OUR PARTNERS IN THE WORKPLACE

- Becoming acquainted with information pertinent to the program on Animal Health Techniques.
- Working with teachers in charge of the training course.
- Planning student work according to training course goals and student's abilities.
- Twinning the student-in-training with a staff member to enhance his or her performance and to meet course objectives.
- Facilitating a student's integration into the workplace (touring the clinic, explaining the rules, etc.).
- Allowing teachers in charge of the training course to meet occasionally.
- Participating in training course evaluation in association with the teacher.

## **5. PROGRESS OF TRAINING COURSES**

- If possible, at least one meeting with the teacher in charge of supervising the student's training course must be held on the training course premises.

## **6. TEACHERS IN CHARGE**

**Telephone : 450.430.3120**(see the front page for details)