

NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE
COURSE SYLLABUS

Course Title: Small Animal Veterinary Technology Laboratory

Course#: VET*151L

Course Description: 1 semester hour (2 hrs laboratory)

This course will introduce the student to small animal nursing procedures including laboratory animals. Topics include restraint, physical examination, medical and surgical nursing techniques, and emergency care.

Pre-requisite: VET* 100 and VET *101. Also CHE*111, MAT* 137, BIO*121, CSA*105

Pre-exposure rabies vaccinations are required!!!!

Co-requisite: VET*151 Lecture

Goals: This course will demonstrate nursing procedures used in small animal and laboratory care facilities. The basic theory will be presented in lecture followed by its application in the laboratory.

Outcomes: Upon completion of this course the student should be able to:

- demonstrate methods of restraint used for small and laboratory animals
 - properly restrain cats and dogs in sternal and lateral recumbency for procedures including cephalic, jugular and saphenous venipuncture
 - properly control the head and feet of the patient so as to prevent bite and scratch injuries
 - properly demonstrate use of a towel, cat bag, cat muzzle, leather gloves to restrain and secure a cat
 - demonstrate the ability to safely remove and return an animal to its cage
 - safely apply a dog muzzle, restraint pole, and slip lead
- perform physical examinations on small animals
 - take vital signs including obtaining a rectal temperature and palpation of a peripheral pulse rate
 - accurately calculate respiratory rate via auscultation and observation
 - demonstrate the ability to auscultate heart and lung sounds and recognize abnormal sounds
 - recognize and record common congenital defects
- vaccination skills:
 - choose the correct vaccine as specified by the veterinarian and properly reconstitute as needed
 - give the vaccine via the route specified on the label
 - demonstrate the correct vaccination sites in canine and feline patients
- record and maintain medical records for patients in the laboratory and perform client education
 - Demonstrate competency in medical record documentation using the SOAP format
 - Accurately record drug and vaccine administration in the patient's record
 - Perform invoicing and print vaccine certificates for our patients

- Create accurate written discharge instructions for the client that include information for medication handling, possible vaccine and medication side effects, and the reasons why the medication or vaccine was given to the animal
- Describe and/or demonstrate to the client how to safely administer oral or topical medications to a cat or dog.
- demonstrate nursing and clinical procedures
 - perform therapeutic bathing, basic grooming, and nail trimming of cats and dogs
 - express canine anal sacs
 - properly prepare specimens for examination for ear mites and/or otitis externa
 - clean and medicate ears of cats and dogs
 - properly prepare sites for subcutaneous injection, intramuscular injection, or venipuncture
 - perform cephalic and saphenous venipuncture on cats and dogs
 - properly administer SQ injections
 - demonstrate the ability to deliver oral medications to dogs and cats including tablets and liquids
 - properly perform ophthalmic procedures including application of medication, Schirmer tear testing, fluorescein staining, and tonometry.
- properly calculate and administer subcutaneous fluid therapy
 - correct preparation of the patient and administration site
 - select the proper needle size and administration set
 - aseptically attach IV administration set to fluid bag and demonstrate ability to use roller clamp
 - deliver the correct volume of fluid
 - demonstrate knowledge of fluid delivery systems including the burette and fluid pump
- demonstrate emergency care and CPR procedures
 - describe the drugs and supplies needed to stock a crash cart
 - demonstrate ABC's of CPR including simulation of ventilation at the proper rate and pressure, chest compressions and abdominal compressions
 - demonstrate use of the ambu-bag with room air and with oxygen
- demonstrate recording of ECGs with recognition of common arrhythmias
 - properly connect ECG leads to patient
 - properly record paper speed and amplitudes
- demonstrate patient and personnel safety techniques and dispose of medical waste properly
- discuss wound healing and demonstrate bandaging techniques
 - apply emergency splints and bandages
 - apply paw bandages and Robert Jones bandage
 - discuss with client appropriate at-home care of patients with bandages, splints, or casts
- Lab-animal procedures:

- demonstrate restraint of laboratory animals including mice, rats, rabbits (+/- guinea pigs, hamsters, gerbils)
 - determine sex of patient based on physical exam findings
 - administer drugs or saline via SQ, IM, and IP routes
 - perform oral dosing of mice, rats [GROUP activity] +/- guinea pigs, gerbils, hamsters
 - Rabbits: collect blood sample, administer SQ injection, perform oral dosing and trim nails
- Avian procedures:
 - Demonstrate and/or describe safe restraint of avian patients
 - Demonstrate and/or describe correct sites for IM, SQ, and IV injections
 - Demonstrate and/or describe oral administration of medications
 - Demonstrate and/or describe venipuncture locations
 - perform and supervise basic care procedures of dogs, cats, lab animals, and pocket pets including administration of medications
 - proper cleaning of patient's cage or run
 - proper cleaning of lab area adjacent to animal's enclosure
 - For a complete list of skills to be completed in this course, please refer to your skills check-off list, which will be handed out in lab.

College Policies

Plagiarism: Plagiarism and Academic Dishonesty are not tolerated at Northwestern Connecticut Community College. Violators of this policy will be subject to sanctions ranging from failure of the assignment (receiving a zero), failing the course, being removed/expelled from the program and/or the College. Please refer to your "Student Handbook" under "Policy on Student Rights," the Section entitled "Student Discipline," or the College catalog for additional information.

Americans with Disabilities Act (ADA): The College will make reasonable accommodations for persons with documented learning, physical, or psychiatric disabilities. Students should notify Dr. Christine Woodcock, the Counselor for Students with Disabilities. She is located at Green Woods Hall, in the Center for Student Development. Her phone number is 860-738-6318 and her email is cwoodcock@nwcc.edu.

School Cancellations: If snowy or icy driving conditions cause the postponement or cancellation of classes, announcements will be made on local radio and television stations and posted on the College's website at www.nwcc.edu. Students may also call the College directly at **(860) 738-6464** to hear a recorded message concerning any inclement weather closings. Students are urged to exercise their own judgment if road conditions in their localities are hazardous.

"Some course content as presented in Blackboard Learn is not fully supported on mobile devices at this time. While mobile devices provide convenient access to check in and read information about your courses, they should not be used to perform work such as taking tests, quizzes, completing assignments, or submitting substantive discussion posts."

Sexual Assault and Intimate Partner Violence Resource Team: NCCC is committed to creating a community that is safe and supportive of people of all gender and sexual identities. This pertains to the entire campus community, whether on ground or virtual, students, faculty, or staff.

Sexual assault and intimate partner violence is an affront to our national conscience, and one we cannot ignore. It is our hope that no one within our campus community will become a victim of these crimes. However, if it occurs, NCCC has created the SART Team - Sexual Assault and Intimate Partner Violence Resource Team - to meet the victim's needs.

SART is a campus and community based team that is fully trained to provide trauma-informed compassionate service and referrals for comprehensive care. The team works in partnership with The Susan B. Anthony Project to extend services 24 hours a day, 7 days a week throughout the year.

The NCCC team members are:

Ruth Gonzalez, PHD	860-738-6315	Greenwoods Hall Room 220
Susan Berg	860-738-6342	Greenwoods Hall Room 223
Kathleen Chapman	860-738-6344	Greenwoods Hall Room 110
Michael Emanuel	860-738-6389	Founders Annex Room 308
Gary Greco	860-738-6397 (V) 860-469-3138 (VP)	Founders Hall Room 101
Robin Orlomoski	860-738-6416	Business Office Room 201
Patricia Bouffard, Ex-Officio	860-738-6319	Founders Hall Room 103

At NCCC we care about our students, staff and faculty and their well-being. It is our intention to facilitate the resources needed to help achieve both physical and emotional health.