

# NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

## COURSE SYLLABUS

**Course Title:** Introduction to Veterinary Technology

**Course #:** VET\* 101

**Course Description:** 3 semester hours. This course is an introduction to veterinary science. The profession and employment opportunities for veterinary technicians are presented. The principles of animal health and the prevention of disease are emphasized. Common illnesses, vaccination protocols, basic nutrition and animal reproduction are discussed. Fall semester.

**Pre-requisites:** MAT\*137, BIO\*121 (or BIO\*115 if taken prior to Fall 2012), CHE\*111, and CSA\*105

**Goals:** This course will introduce the student to veterinary medicine and the opportunities related to veterinary science.

**Outcomes:** Upon successful completion of this course the student will:

- Describe the role of the veterinary technician on the veterinary health team
- Recognize and explain basic anatomy and physiology
- Describe how a physical examination is performed and know the *vital signs* for various species
- Discuss basic principles of nutrition and apply them to nutritional requirements
  - Appraise the role that nutrition plays in treating and preventing metabolic and endocrine disease
  - Evaluate an overweight animal's diet and determine a proper diet
  - Recognize the common prescription diets and what conditions they are used for
  - Compare and contrast the dietary requirements of animals of different life stages and different stages of reproduction
  - Describe the unique nutritional requirements of cats
  - Calculate the caloric needs of an animal
  - Discuss vitamins and minerals
- Describe common illnesses and identify common parasites seen in companion animals
- Discuss preventive health care for common domestic species and recommend vaccination schedules for various species
  - Differentiate the appropriate SQ and IM injection sites for various species
  - Formulate worming schedules for common domestic species
  - Explain the difference between a core vaccine and a recommended vaccine
- Explain the basic principles of immunology and vaccines and how they are handled, reconstituted, administered and recorded.
  - Compare and contrast modified live versus killed vaccines
  - Define passive immunity, acquired immunity, and explain the difference between natural and acquired immunity.

- Explain the need to protect oneself from disease in the workplace, including safe handling and disposal of biological and therapeutic agents and hazardous waste.
- Differentiate zoonotic diseases, vector species, and modes of transmission
- To be able to discuss basic principles of animal reproduction and to know the major differences between species
  - Explain the estrous cycle, and describe signs of estrus in common domestic species
  - Recognize normal and abnormal behaviors associated with estrus and reproduction
- Illustrate the importance of effective written and oral communication between members of the veterinary health team and their clients.

## **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](mailto: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](http://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.

**Use of Electronic Devices:** 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, Ph.D.	860-738-6315	Green Woods Hall Room 207
Susan Berg	860-738-6342	Green Woods Hall Room 223
Kathleen Chapman	860-738-6344	Green Woods Hall Room 110
Michael Emanuel	860-738-6389	Founders Hall Annex Room 308
Seth Kershner	860-738-6481	Library
Jane O'Grady	860-738-6393	Founders Hall Annex Room 212
Robin Orloski	860-738-6416	Business Office Room 201
Patricia Bouffard, Ex-Officio	860-738-6319	Founders Hall Room 103
Savannah Schmitt		Student Representative

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.