

# NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

## COURSE SYLLABUS

**Course Title:** Veterinary Anatomy & Physiology II

**Course #:** VET\* 202

**Course Description:** This course is the second part of a two-part series designed to provide students with a broad foundational understanding of the structure and function of the bodies of the major animal species. It is designed for students intending to pursue a career as a Veterinary Technician or to continue on with their education in veterinary science or a related field. (4 credits)

This course is a continuation of topics from Veterinary Anatomy & Physiology I including:

- organ systems of the body and their mutual interdependence,
- homeostasis and regulation (chemical, hormonal, neuro-endocrine),
- biochemistry of how cells obtain energy from food,
- reproduction and the inheritance of physical characteristics.

The connection between the study of anatomy and physiology with clinical veterinary medical and surgical practice will be emphasized.

**Pre-requisite:** VET\* 201

### **Goals:**

- Explore the structure and function of the body for the major animal species of veterinary importance.
- Emphasize connections between the study of anatomy and physiology with clinical veterinary medical and surgical practice.
- Share an awareness of current events and issues in veterinary medicine and surgery.
- Support the development of veterinary technology students as informed, competent and responsible members of the veterinary profession.

**Outcomes:** Upon successful completion of this course, the student will be able to:

- Recognize, identify and describe the structure and function of the organ systems of the major animal species seen in veterinary clinical practice including companion animals, livestock, avian, exotic and laboratory species.
- Examine the relationship between the evolution of specialized structures and the potential to develop disorders.
- Explain the regulatory processes involved in homeostasis.
- Improve microscopy and dissection skills.
- Measure and assess physiological parameters to objectively determine a state of health or disease.
- Discuss and express an understanding of clinical applications of anatomy and physiology such as vaccination, diagnostic sampling and treatment techniques in various species.
- Use textbooks, scientific and popular journals for gathering information.

Major topics of Veterinary Anatomy & Physiology II include:

- Cardiovascular System
- Immune System
- Respiratory System
- Gastrointestinal System
- Nervous System
- Special Senses
- Endocrine System
- Renal-urinary System
- Reproductive System

### **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.

***"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 Orloski	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.

**Reasonable Accommodation of Religious Practices:** Students have an obligation to notify the instructor in a timely manner regarding anticipated absences for religious observances. Requests should be made in writing stating the reason for the request, i.e., conflict with scheduled quiz, test, exam, assignment or activity, the religious observance that poses the conflict and the date or dates of such holiday. (LIM #2009-1)