

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
VET 111 – ANATOMY AND PHYSIOLOGY OF DOMESTIC ANIMALS (4 CR.)**

Course Description

Introduces the structure and reviews function of all the organ systems of common domestic animals. Includes histology, embryology, and genetics. Includes laboratory dissection and demonstrations. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.

General Course Purpose

To introduce the student to anatomy and physiology of domestic animals. The student will become familiar with the concepts of function and structure of the body of major domestic species. The student will gain knowledge of basic animal anatomy through comparative studies of various animal skeletons, anatomical models and a systematic dissection of a feline cadaver.

Course Prerequisites/Corequisites

Enrollment is limited to those students program-placed in the veterinary technology curriculum or those students with special approval from the program head.

Course Objectives

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

- Explain basic concepts of physiological processes of the major organ systems of domestic animals
- Describe the basic anatomy of domestic animals and apply that knowledge to the veterinary setting

Major Topics To Be Covered

- The biology of the cell

The anatomy and physiology of the:

- Skeletal system
- Muscular systems
- Central nervous system
- Peripheral nervous system
- Special senses
- Digestive system
- Cardiovascular system
- Respiratory system
- Integumentary system
- Endocrine system
- Reproductive system
- Urinary system