

ANSC 142 : Anatomy and Physiology of Domestic Animals

Introduction to the anatomy and physiology of domestic animals. Compares the anatomy and function of major body systems for the cat, dog and horse, with lesser emphasis on birds, reptiles and amphibians. This course is intended for students entering veterinary technology, veterinary assisting or other animal-related fields.

Credits 3

Lecture Hours 3

Designation

DB

Prerequisites

Registration in or a grade “C” or better in ANSC 140 and ANSC 142L. Credit for or placement in ENG 100 and MATH 101. Confirmed attendance to Windward CC veterinary technology information session.

Course Outcomes

- Discuss the chemical building blocks of major biological molecules.
- Describe the link between cells, tissues, organs, and organ systems.
- Contrast the structure and function of major body systems (e.g., skeletal, circulatory, respiratory, and reproductive) among companion animals and selected livestock species.
- Explain how disease and disorders disrupt the homeostasis of each of the above body systems and discuss how common veterinary medical treatments are used to restore homeostasis.