

VT 117 : VETERINARY ANATOMY & PHYSIOLOGY I

Transcript title

Veterinary AP I

Credits

5

Grading mode

Standard letter grades

Total contact hours

70

Lecture hours

40

Lab hours

30

Prerequisites

Acceptance into the Veterinary Technician Program.

Corequisites

VT 101, VT 102, VT 103.

Course Description

First of two courses covering the structure and function of animal bodies and the anatomical and physiological differences between selected species. Examines body organization, cellular biology, histology, and gross anatomy and physiology of the integumentary, skeletal, muscular, and nervous systems. Concurrent labs include the use of skeletons, models, virtual anatomy tools and dissection of cadavers.

Course learning outcomes

1. Explain the relationship between structure and function.
2. Identify basic cell structure and the structure of major tissue types, organs, and organ systems.
3. Identify and compare bones, tendons, and ligaments on various species of animals.
4. Describe the different types of joint structures and compare the joints of various animal species.
5. Compare the gross anatomy and function of the central and peripheral nervous systems.
6. Describe muscle structure and function on a microscopic, gross, and a comparative basis.

Content outline

Lecture I. Introduction to AP II. Chemical Basis for Life The Cell III. Tissues and the Integument IV. Bone Tissue V. Muscular System VI. Nervous Tissue VII. Nervous System- Central Nervous System VIII. Nervous System- Autonomic Nervous System Lab I. Body Orientation II. Tissues III. Integument IV. Skeleton and Joints V. Head and Neck Skeleton VI. Trunk Skeleton VII. Thoracic Limb Skeleton VIII. Pelvic limb Skeleton IX. Nervous System

Required materials

Requires Textbook, Lab Manual, and Online Anatomy and Physiology Program.