

VT 118 : VETERINARY ANATOMY & PHYSIOLOGY II

Transcript title

Veterinary AP II

Credits

4

Grading mode

Standard letter grades

Total contact hours

60

Lecture hours

30

Lab hours

30

Prerequisites

VT 101, VT 102, VT 103 and VT 117.

Corequisites

VT 108, VT 110, VT 114.

Course Description

Second of two courses covering the structure and function of animal bodies and the anatomical and physiological differences between domestic species. Continues the study of the interrelationship of organ systems, including the endocrine, reproductive, cardiovascular, lymphatic, digestive, respiratory, and urinary systems.

Course learning outcomes

1. Describe the anatomy of the ear and eye and the physiology of the special sense organs.
2. Identify the structure and describe the basic metabolic processes of the organ systems.
3. Describe the basic function and structure of the digestive system on a comparative basis between animal species and compare and contrast the digestive physiology of non-ruminants with ruminants.
4. Describe the structure and function of the endocrine system including clinically relevant hormones and the anatomical differences between species.
5. Describe the cardiovascular and lymphatic system structures, path of blood flow, and explain the differences between veins and arteries.
6. Explain the function of the upper and lower respiratory systems.
7. Describe the male and female reproductive system structure and function and compare between species of animals.

Content outline

Lecture I. Sense Organs II. Cardiovascular System III. Blood IV. Lymph and Immunity V. Respiratory System VI. Digestive System VII. Nutrients and Metabolism VIII. Endocrine System IX. Reproductive System X. Pregnancy, Development, and Lactation XI. Urinary System Lab I. Sense

Organs II. Peripheral Nerves/Vessels III. Heart IV. Blood, Internal Blood Vessels V. Respiratory VI. Digestive VII. Endocrine VIII. Reproductive IX. Urinary

Required materials

Textbook, Lab Manual and Veterinary Anatomy and Physiology Online Software.