

ANPH 513 : Veterinary Physiology II

In the DVM program, veterinary physiology is covered by two courses: ANPH512/DVM 1 and ANPH513/DVM2. Both courses focus on the fundamental mechanisms underlying normal function of cells, tissues, organs, and organ systems of animals, commensurate with the requirements for a physician providing primary care to a variety of veterinary patients. Students will integrate the acquired knowledge about physiological functions of organ systems and learn to explain mechanisms of whole-body homeostasis. Emphasis is placed on introducing the pathophysiology of diseases, which are commonly seen in veterinary practice.

The ANPH513 course covers the following systems: hematology (erythron; hemostasis); nervous system (i.p. the sensory nervous system); gastrointestinal system including fermenters; metabolism; endocrinology; and reproduction. This course also introduces independent group work, in which students are exposed to clinical case studies and give short oral presentations. Students share responsibility for a collectively earned group grade, and should demonstrate professional behavior including communication and team-working skills.

Core Course

Credits 3