



SYLLABUS

THEORY

Myology: Structural and functional classification of muscles. Gross study of skeletal muscles of head, neck, thorax, abdomen, pelvis, tail, forelimb and hind limb with their origin, insertion and action and their structural and functional importance from clinical and production point of view in Ox / Buffalo as a type species. Comparative study of muscles in other domestic animals.

Neurology: Study of central, peripheral and autonomic nervous system. Gross study of meninges, brain, spinal cord, cranial and spinal nerves and their functional importance from clinical and production point of view. Gross morphology and disposition of the nerves of head, neck, thorax, abdomen, pelvis, tail, forelimb and hind limb in Ox / Buffalo as a type and comparative study in other domestic animals.

Angiology: Gross morphology of heart and disposition of arteries, veins and lymphatic of head, neck, thorax, abdomen, pelvis, tail, forelimb and hind limb in Ox / Buffalo as type and comparison with that of Sheep / Goat, Pig, Horse, Dog and Fowl. Their importance from clinical and production point of view.

Aesthesiology: Gross morphological study of the eye, ear, nose, hoof, horn and skin in Ox / Buffalo. Their functional importance and comparative study in other domestic animals. Computer simulation for dissection and study of body parts. (note: The general outline of muscular, circulatory and nervous system be taken up in the beginning of this course to be followed by gross disposition of group of muscles, arteries, veins and lymphatic simultaneously region – wise).

PRACTICAL

Demonstration of embalming of the carcass and preservation. Dissection/ Computer simulation models for dissection and demonstration of body parts. Dissection of muscles of all body regions of Ox / Buffalo, their location, functional role in the body and comparison with other species. Study of brain and spinal cord in difference domestic animals. Study of heart and major blood vessels in different species of animals. Area of auscultation of heart. Dissection of blood vessels, lymphatics and nerves of head, neck, thorax, abdomen, pelvis, tail, forelimb and hind limb in Ox / Buffalo and comparative study in other domestic animals. Demonstration of palpable Lymph nodes of the body. Study of the sites of corneal, auriculo palpebral, Peterson's infraorbital, radial, ulnar, median, paravertebral, epidural, pudendal, perineal and tibial nerve blocks and their clinical importance. Dissection for study of eye, ear, nose, hoof and horn.