**General Medicine (MID. 411)**

**Overall aims of the Course:**

By successful completion of the course, the student should be able to:

1. Understanding the normal clinical and physical examination parameters of different animal species (clinical signs of soundness) and their alterations under physiological and pathological conditions with special reference to the application of the art on disease of different animal species.
2. Application of the best strategies for treatment and planning for control of different animal diseases in individual and herd cases.
3. Define signs of health and illness of different animal species
4. Master the main tools of examination and laboratory diagnosis of different diseases.
5. Pursue evaluation of diagnosis, differential diagnosis and prognosis of individual and herd diseases of different animal species.
6. Use the different methods of diagnostic and therapeutic studies of different animal species problems.
7. Treat and control disease of different animal species.

**Course contents:**

* General systemic states part 1 (fever-hypothermia-hyperthermia)
* General systemic states part 2 (pain-stress-shock-septicemia-sepsis)
* Acid-base balance
* Principles of fluid therapy
* Clinical examination of digestive system in ruminants
* Clinical examination of digestive system in Monogastric animals
* Clinical examination of respiratory system
* Clinical examination of cardiovascular system
* Clinical examination of urinary system
* Clinical examination of musculoskeletal system
* Clinical examination of nervous system
* Principles of drug administration in animals
* General clinical examination (case history)
* General clinical examination (vital signs)
* Clinical examination of skin
* Advanced diagnostic tools used in diagnosis