**General & Systemic Pharmacology (PHA. 311)**

**Overall aims of the Course:**

Provide students general information about sources of drugs, posology, routes of administration of drugs. Knowing principals of pharmacokinetics and pharmacodynamics of drugs. Understand the general information about toxicology and treatment of different toxicants.

List different drugs acting on the autonomic and central nervous systems including their action, mechanism of action, therapeutic uses. Classify different classes of drugs acting on respiratory, cardiovascular, urinary, digestive systems and reproductive system and their clinical application. Enumerate different classes of autacoids and knowing their actions and their uses in veterinary practice.

**Course contents:**

* Introduction (pharmacokinetics)
* Introduction (Pharmacodynamics)
* Autonomic nervous system (parasympathetic division)
* Autonomic nervous system (sympathetic division)
* Central nervous system
* Drugs acting on the digestive system
* Drugs acting on the respiratory system
* Drugs acting on the circulatory system
* Drugs acting on the urinary system
* Drugs acting on the reproductive system
* Drugs acting on the skin
* Drugs acting on the autacoids
* Clinical pharmacology
* Non-steroidal anti-inflammatory drugs
* Teratology
* Growth promotors