P R A C T I C A L

COURSES
BSP 506 ANIMAL PHYSIOLOGY LAB

After successful completion of the course, students will be able to:

CO 1. Perform experiments to estimate enzyme activity and understand factors affecting enzyme activity

CO 2. Perform experiments on hormonal control of reproductive biology.

CO 3. Perform experiments in muscle physiology and osmoregulation.

CO 4. Conduct qualitative tests for excretory products and demonstrate active transport

1. Gastrointestinal function–
Factors affecting enzyme activities in digestion of foodstuffs.
1.2 Quantitative estimation of Enzyme (amylase)activity.
2. Neuroendocrinology–
Effect of hormones on blood glucose in rats.
Study of estrous cycle in mice
Study of sperm count, sperm morphology and sperm motility
3. Muscle Physiology-
3.1 Histochemical detection of SDH activity in red and white muscle fibres.
4. Osmoregulation-
Estimation of Fluid balance in an animal.
Osmotic relationship in animals at the level of cell as well as entire organism.
5. Excretion-
Qualitative tests for excretory products.
Demonstration of active transport.