

(B. Pharm)
(Semester - IV)

L	T	P	C
-	-	4	2

Course Code	BP408P
Course Title	Pharmacology I – Practical

Syllabus:

Total Hours: 60 Hours

1. Introduction to experimental pharmacology.
2. Commonly used instruments in experimental pharmacology
3. Study of common laboratory animals
4. Maintenance of laboratory animals as per CPCSEA guidelines
5. Common laboratory techniques. Blood withdrawal, serum and plasma separation, anesthetics and euthanasia used for animal studies
6. Study of different routes of drugs administration in mice/rats
7. Study of effect of hepatic microsomal enzyme inducers on the phenobarbitone sleeping time in mice
8. Effect of drugs on ciliary motility of frog oesophagus
9. Effect of drugs on rabbit eye.
10. Effects of skeletal muscle relaxants using rota-rod apparatus
11. Effect of drugs on locomotor activity using actophotometer
12. Anticonvulsant effect of drugs by MES and PTZ method
13. Study of stereotype and anti-catatonic activity of drugs on rats/mice
14. Study of anxiolytic activity of drugs using rats/mice
15. Study of local anesthetics by different methods

Note: All laboratory techniques and animal experiments are demonstrated by simulated experiments by softwares and videos

L= Lecture, T= Tutorial, P= Practical, C= Credit
