Lecturer Title:

1- Drug distribution.
2- Acid- base properties.
3- Statistical prediction of pharmacological activity.
4- QSAR models.
5- Molecular modeling (Computer aided drug design).
6- Drug receptor interaction: force involved.
7- Steric features of drugs.
8- Optical isomerism and biological activity.
9- Calculated conformation.
10- Three- dimensional quantitative structure activity relationships and databases.
11- Isosterism.
12- Drug-receptor interaction and subsequent events.
13- General pathways of drug metabolism: Sites of drug biotransformation; Role of cytochrome P450 mono-oxygenases in oxidative biotransformation; Oxidative reactions; Reductive reactions; Hydrolytic reactions; Phase II reactions.