

Syllabus

Literature searching and reading of research articles
Role of applied physical chemistry in pharmaceutical development
Intermolecular interactions
Phases, phase rule
States of matter
Solution theory
Miscibility and solubility of non-electrolytes - gases, liquids solids
Partitioning
Miscibility and solubility – structure function relationships
Electrolytes –review of ionization
Electrolytes – buffering
Electrolytes – salt formation, in situ ionization, solubility, pH
Co-solvents
Surfactants
Lipids
Diffusion
Dissolution

Note: This course outline and syllabus are subject to change.