CBC 728 - Computer Aided Drug Design

Aims and Objectives
To outline the computer based methods for modelling and studying bioorganic problems.

Syllabus
Covers the principles of computational methods used for drug design. Major topics include molecular modeling, computational structural chemistry, computational quantum chemistry, protein/DNA structure, ligand-based drug design and quantitative structure-activity relationship.

Assessment
Written Exam: 40%
Continuous assessment: 60%

Prerequisites
CBC 921 Computational Chemistry or Division approval