

## ***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