

CBC732 - Graduate Chemical Biology

Aims and Objectives

Science at the interface between fields has always incubated innovation. This class will describe modern advances at the interface between chemistry and biology.

Syllabus

The course will present topics in modern chemical biology: proteins, nucleic acids, carbohydrate structure, enzyme catalysis and inhibition, cancer and bacterial biology, nanomedicine and selected topics of current interest taken from the literature.

The class will be broken into two halves. The first half will be lecture/exam format. The second half, after the students are familiarized with basic chemical biology techniques, will be in discussion/student presentations/proposal format.

Assessment

Midterm exam (Individual assessment): 30%

Presentations (Individual assessment): 30%

Proposal (Individual assessment): 40%