

CBC738 - Graduate Life Science Organic Chemistry

Aims and Objectives

The objective of this course is to cultivate a mind-set of solving problems in life science in with organic chemistry expertise by understanding the basic concepts and how to apply them in understanding phenomena.

At the end of this course, students should be able to:

- Understand the principles of advanced organic reactions in life science.
- Interpret working mechanism and rationale.
- Enhance the knowledge in cutting-edge topics in organic chemistry and refine the thinking skill for developing creativity with deep comprehension and total cogitations.

Syllabus

The topic will cover some advanced reactions in boron chemistry (element), carbohydrate chemistry (a class of biomolecules) and radical chemistry (a reaction intermediate), and more importantly their application in biological, biomedical and biomaterials research.

Assessment

Continuous Assessment: 100%

- Quiz (Individual assessment): 10%
- Report (Individual assessment): 30%
- Proposal (Individual assessment): 30%
- Oral presentation(Individual assessment): 30%