

CBC737 - Graduate Reaction Mode Organic Chemistry

Aims and Objectives

The objective of this course is to cultivate a mind-set of solving problems in common activation and reaction modes in organic chemistry 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 basic activations and reactions
- Interpret reaction pathways.
- Enhance knowledge in chemical bond activations and transformations in organic chemistry and refine the thinking skill for developing creativity with deep comprehension and total cogitations.

Syllabus

The topic will cover basic chemical reactivities, basic properties such as acidities of common organic functional groups, common and named reactions, and their applications in organic synthesis.

Assessment

Continuous Assessment: 100%

- Classroom participation/discussions (Individual assessment): 30%
- Written report/presentation materials (Individual assessment): 30%
- Oral presentation (Individual assessment): 40%