

CIV3202 Group Design Project

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
45	30	0	60	100	70	30	4

Course Description

The class will be divided into groups of about ten students each, with a member of staff as the overall coordinator, who will assign supervisors to each of the groups. The groups will undertake a design project of an engineering structure that is intended to improve the quality of life in the environment from any of the fields of civil engineering. They will then prepare a design report in a specified format and make an oral presentation to members of staff.

Objectives

The overall objective of the course is to expose students to the engineering design process by assisting them to work in groups and assigning individuals responsibility and ensure they meet targets. This course is intended to train the students to:

- Identify an engineering problem and prepare a proposal
- collect data and review existing relevant literature
- propose alternative solutions and select the best solution to a problem
- prepare a preliminary design of a engineering structure
- prepare approximate bills of quantities and cost estimates
- prepare a design report and oral presentation