CIV2201 Soil Mechanics

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	60	40	4

Course Description

In this course, students are trained to acquire knowledge and skills in assessment of soils for suitability as engineering materials. It covers aspects on analysis of soil response to loading, flow of water in soils and its effects, soil supporting capacity and stability, soil explorations in the field and other theories relevant to soil behaviour.

Objectives

- Provide an understanding of the physical properties of soils and its classification
- Enable students to assess soil supporting capability for applied loads
- Enable students to analyse stresses and strains imparted by applied loads
- Introduces students to assessment of soil compressibility in relation to loading
- Train students on how to conduct investigations of soils in the laboratory and in the field