CIV1201 Strength of Materials

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

This course deals with basic mechanics of materials and is crucial in understanding mechanical behaviour and capacity of engineering materials.

Objectives

- To enable students evaluate behaviour of materials subjected to normal, shear, twisting and bending loads
- Expose students to derivation of stress transformation formulas and thus determine the principle stresses on any loaded element, and
- To enhance appreciation of the theory behind failure of ductile and brittle engineering materials.