CIV4105 Design of Structures III (Timber and Masonry)

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit units
LH	PH	TH	CH	WTM	WEM	WCM	CU
45	0	0	45	100	60	40	3

Course Description

This course is intended to cover the basic design of structural elements constructed of masonry and timber. The extensive use of masonry and timber in building construction renders the course on design of masonry and timber structures an important part in training of a well rounded and practical degree in Civil engineering. Naturally, the course is divided into two parts, namely masonry and timber.

Objectives

- Introduce the nature and inherent characteristics of masonry in relation to BS 5628 leading to a practical design and detailing of masonry building structures.
- Introduce the nature and inherent characteristics of timber in relation to requirement of structural Eurocodes leading to a practical design and detailing of timber structural components.