ARC2203 Theory and Design of Structures for Architects II

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
30	00	00	30	100	60	40	2

Course Description

The course introduces the student to the design skills of structural elements of construction made of timer and steel, as these are popular construction materials.

Objectives/aim

Students should be able to:

Appreciate the different approaches to design of structural elements Design simple timber, steel and composite structural elements under different loads Use rules-of-thumb to proportion structural elements

Understand the structural design process and how it influences the overall design Understand the advantages and disadvantages of using timber and steel as structural materials in buildings.

[4 CH]