CIV3203 Design of Structures II (Steel)

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
60	0	0	60	100	60	40	4

Course Description

The course deals with design principles of steel members and connections that are used in Civil infrastructure under different possible modes of loading.

Objectives

- Create appreciation of the importance of steel as a structural material
- Create appreciation of the shortcomings of steel and how to overcome them
- Design various structural steel elements (tensile, compressive, bending members)
- Design steel member connections, both bolted and welded
- Read at ease BS 5950 Part 1 and the CONSTRADO Structural Designer's Manual