Overview

This course consists of a material and a structural design strand. The structural design strand concerns 75% of the course while the material strand concerns 25% of the course. The Structural Design Strand covers: Introduction to limit states design and codes of practice (design objectives; strength and serviceability limit states); loads and load combinations (dead, live and wind loads); design of structural steel tension members; Euler column buckling; design of stocky and slender compression members; design of laterally supported steel beams and simple steel connections. The Material Strand covers: cement, aggregates and admixtures; mix design; fresh concrete properties and hardened concrete properties.
Faculty
Faculty of Engineering

School
School of Civil and Environmental Engineering

Study Level
Undergraduate

Indicative contact hours
5

Timetable
Visit timetable website for details
Equivalent Courses

CVEN3303 6 UOC
Steel Structures
Course Outline

To access course outline, please visit:

CVEN2302 Course Outline
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
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