

University of Pretoria Yearbook 2022

Building science 210 (BWT 210)

Qualification Undergraduate

Faculty [Faculty of Engineering, Built Environment and Information Technology](#)

Module credits 12.00

NQF Level 06

Programmes [BSc \(Construction Management\)](#)

[BSc \(Quantity Surveying\)](#)

[BSc \(Real Estate\)](#)

Prerequisites BWT 110 and BWT 120

Contact time 3 lectures per week

Language of tuition Module is presented in English

Department Construction Economics

Period of presentation Semester 1

Module content

Advanced application of construction technology for the erection of multi-storey, steel reinforced concrete structures as well as steel portal frame construction. Bulk excavations for the creation of deep basements including lateral support through piling systems and other retaining wall structures to prevent embankment failure. Introduction to construction management principles and the effect thereof on the construction process in terms of time, cost and quality. Management of temporary site works, applying formwork design principles, building equipment and earth moving machinery required in advanced construction technology.

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.