

University of Pretoria Yearbook 2021

Structural analysis 223 (SIN 223)

Qualification Undergraduate

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

Module credits 16.00

NQF Level 06

Programmes [BEng Civil Engineering](#)

[BEng Civil Engineering ENGAGE](#)

Prerequisites WTW 161, WTW 168 and SWK 210

Contact time 1 tutorial per week, 2 practicals per week, 3 lectures per week

Language of tuition Module is presented in English

Department Civil Engineering

Period of presentation Semester 2

Module content

Statically indeterminate beams. Virtual work. Analysis of statically indeterminate structures using the methods of super-position, slope-deflection and moment distribution (with sway and support displacement).

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