



University of Pretoria Yearbook 2023

Structural analysis 311 (SIN 311)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	8.00
NQF Level	07
Programmes	BEng (Civil Engineering) BEng (Civil Engineering) ENGAGE
Prerequisites	SIN 223
Contact time	1 practical per week, 1 tutorial per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Civil Engineering
Period of presentation	Semester 1

Module content

Analysis of symmetrical structures using slope-deflection equations or moment-distribution; three dimensional structures and grillages; matrix methods; influence lines. Euler buckling of columns with different boundary conditions.

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