



University of Pretoria Yearbook 2019

Structural analysis 311 (SIN 311)

Qualification	Undergraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	8.00
Programmes	BEng Civil Engineering BEng Civil Engineering Engage
Prerequisites	SIN 223
Contact time	1 tutorial per week, 2 lectures per week, 1 practical per week
Language of tuition	Separate classes for Afrikaans and 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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