



University of Pretoria Yearbook 2017

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, 1 practical per week, 2 lectures per week
Language of tuition	Separate classes for Afrikaans and English
Academic organisation	Civil Eng
Period of presentation	Semester 1

Module content

Analysis of symmetrical structures using slope-deflection equations or moment-distribution; three dimensional structures and grillages; plastic analysis of frames; matrix methods; influence lines.

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