



University of Pretoria Yearbook 2018

Structural analysis 311 (SIN 311)

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| 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 practical per week, 1 tutorial per week, 2 lectures 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; plastic analysis of frames; matrix methods; influence lines.

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