

# University of Pretoria Yearbook 2021

## Steel design 323 (SIN 323)

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| <b>Qualification</b>          | Undergraduate   |
| <b>Faculty</b>                | <a href="#">Faculty of Engineering, Built Environment and Information Technology</a>    |
| <b>Module credits</b>         | 8.00  |
| <b>NQF Level</b>              | 07  |
| <b>Programmes</b>             | <a href="#">BEng Civil Engineering</a><br><a href="#">BEng Civil Engineering ENGAGE</a> |
| <b>Prerequisites</b>          | SIN 311 GS  |
| <b>Contact time</b>           | 1 practical per week, 1 tutorial per week, 2 lectures per week                          |
| <b>Language of tuition</b>    | Module is presented in English  |
| <b>Department</b>             | Civil Engineering   |
| <b>Period of presentation</b> | Semester 2  |

### Module content

Stability of beams. Material properties. Analysis and limit states design of tension, compression and flexural members, and beam-columns. Design of trusses, simple framed structures and connections.

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