

# University of Pretoria Yearbook 2017

## Simulation-based design 323 (MOW 323)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	16.00
<b>Programmes</b>	<a href="#">BEng Mechanical Engineering</a> <a href="#">BEng Mechanical Engineering ENGAGE</a>
<b>Prerequisites</b>	(MSD 210), MOW 227
<b>Contact time</b>	3 lectures per week, 5 tutorials per week
<b>Language of tuition</b>	Module is presented in English
<b>Academic organisation</b>	Mechanical and Aeronautical En
<b>Period of presentation</b>	Semester 2

### Module content

Computational dynamics analysis of mechanisms, linkages and cams. Structural computational analysis using finite element software. Systems engineering and functional analysis. Open-ended multidisciplinary design and design improvement of products and systems.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.