



# University of Pretoria Yearbook 2022

## Engineering modelling 780 (MIL 780)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	16.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">BEngHons Mechanical Engineering</a> <a href="#">BScHons (Applied Science) Mechanics</a> <a href="#">BScHons (Applied Science) Mechanics - Physical Asset Management</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	21 contact hours per semester
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Mechanical and Aeronautical Engineering
<b>Period of presentation</b>	Semester 1 or Semester 2

### Module content

Modelling Philosophies, Background Mathematics for Modelling with Data, Modelling Formulation, Data Representation and Projections, Model Calibration, Model Selection, Uncertainty Quantification, Computational Tools.

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