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# University of Pretoria Yearbook 2016

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## Simulation modelling 780 (BUY 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>Programmes</b>	<a href="#">BEngHons Industrial Engineering</a> <a href="#">BScHons Applied Science Applied Science: Industrial Systems</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	48 Contact hours
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Industrial and Systems Eng
<b>Period of presentation</b>	Semester 1 or Semester 2

### Module content

- Stochastic Modelling
- Stochastic Simulation Modelling
- System Dynamics
- Agent Based Simulation
- Input/Output Analysis
- Simulation and Optimization
- Simulation Project Management
- Simulation Modelling Software

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