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# University of Pretoria Yearbook 2022

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## Manufacturing systems 311 (MVS 311)

<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>NQF Level</b>	07
<b>Programmes</b>	<a href="#">BEng (Industrial Engineering)</a> <a href="#">BEng (Industrial Engineering) ENGAGE</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	3 lectures per week, 3 tutorials per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Mechanical and Aeronautical Engineering
<b>Period of presentation</b>	Semester 1

### Module content

Modern manufacturing processes including: Rapid Prototyping and Additive Manufacturing, Processing of integrated circuits, Electronics assembly and packaging, Micro-fabrication technologies and Nanofabrication technologies. Manufacturing technologies including Automated technologies for manufacturing systems, Integrated Manufacturing systems, Process planning and production control as well as Quality control and inspection topics.

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