

University of Pretoria Yearbook 2022

Manufacturing systems 311 (MVS 311)

Qualification Undergraduate

Faculty [Faculty of Engineering, Built Environment and Information Technology](#)

Module credits 16.00

NQF Level 07

Programmes [BEng \(Industrial Engineering\)](#)

[BEng \(Industrial Engineering\) ENGAGE](#)

Prerequisites No prerequisites.

Contact time 3 lectures per week, 3 tutorials per week

Language of tuition Module is presented in English

Department Mechanical and Aeronautical Engineering

Period of presentation 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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