

# University of Pretoria Yearbook 2021

## Manufacturing and design 217 (MOW 217)

<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>	06
<b>Programmes</b>	<a href="#">BEng Industrial Engineering</a> <a href="#">BEng Industrial Engineering ENGAGE</a> <a href="#">BEng Mechanical Engineering</a> <a href="#">BEng Mechanical Engineering ENGAGE</a>
<b>Prerequisites</b>	MGC 110
<b>Contact time</b>	3 lectures per week, 4 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

Detailed exposure to manufacturing processes, and appropriate selection of manufacturing processes. Detailed exposure to machine elements, including belts, chains and bearings. Selection of standard components. Conceptual framework for design process including life cycle, ergonomics, component and material selection, manufacturing considerations, and evaluation of alternatives.

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