

# University of Pretoria Yearbook 2016

## Manufacturing and design 217 (MOW 217)

**Qualification** Undergraduate

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

**Module credits** 16.00

**Programmes** [BEng Industrial Engineering](#)  
[BEng Industrial Engineering Engage](#)  
[BEng Mechanical Engineering](#)  
[BEng Mechanical Engineering Engage](#)

**Prerequisites** MGC 110

**Contact time** 3 lectures per week, 4 tutorials per week

**Language of tuition** Both Afr and Eng

**Academic organisation** Mechanical and Aeronautical En

**Period of presentation** Semester 1

### Module content

Detailed exposure to manufacturing processes including heat treatment. Detailed exposure to machine elements. Conceptual framework for design process including life cycle, ergonomics, material selection, manufacturing and safety factor considerations.

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