

University of Pretoria Yearbook 2017

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 Separate classes for Afrikaans and English

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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