

University of Pretoria Yearbook 2019

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 4 tutorials per week, 3 lectures per week

Language of tuition Separate classes for Afrikaans and English

Department Mechanical and Aeronautical Engineering

Period of presentation 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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