

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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