

University of Pretoria Yearbook 2022

Manufacturing and design 217 (MOW 217)

Qualification Undergraduate

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

Module credits 16.00

NQF Level 06

Programmes [BEng \(Mechanical Engineering\)](#)

[BEng \(Industrial Engineering\)](#)

[BEng \(Industrial Engineering\) ENGAGE](#)

[BEng \(Mechanical Engineering\) ENGAGE](#)

Prerequisites MGC 110

Contact time 3 lectures per week, 4 tutorials per week

Language of tuition Module is presented in English

Department Mechanical and Aeronautical Engineering

Period of presentation Semester 1

Module content

Conceptual consideration of the phases in mechanical design acknowledging the many feedbacks & iterations. Detailed exposure to machine elements, including fasteners, gears, belts, chains and bearings. Selection of standard mechanical components. Detailed exposure to machining processes used to manufacture components for mechanical machines. Detailed exposure to GD&T (Geometric Dimensioning & Tolerancing) needed for manufacturing drawings.

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