

University of Pretoria Yearbook 2021

Dynamics 780 (MSD 780)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
NQF Level	08
Programmes	BEngHons Mechanical Engineering BScHons Applied Science Mechanics
Prerequisites	No prerequisites.
Contact time	21 contact hours per semester
Language of tuition	Module is presented in English
Department	Mechanical and Aeronautical Engineering
Period of presentation	Semester 2

Module content

Planar multibody dynamics with special emphasis on the mathematical formulation of the equations of motion of a multibody mechanism that moves in a two-dimensional plane instead of in three-dimensional space. Numerical techniques for solving the equations of motion will also be applied.

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