



University of Pretoria Yearbook 2019

Experimental methods 782 (MLD 782)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
Programmes	BEngHons Mechanical Engineering BSchHons Applied Science Mechanics BSchHons Applied Science Mechanics: Physical Asset Management
Prerequisites	(recommended) any module where experiments are frequent (such as Physics 1)
Contact time	21 contact hours per semester
Language of tuition	Module is presented in English
Department	Mechanical and Aeronautical Engineering
Period of presentation	Semester 1 or Semester 2

Module content

Terminology, Data analysis, Uncertainty, Displacement, Strain, Pressure, Flow measurements Temperature measurements. Emphasis will be placed on the experimental process from calibration through to analyses. Different experimental techniques will be covered to showcase the process.

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