

## University of Pretoria Yearbook 2022

## Reliability engineering 781 (MIR 781)

f Engineering, Built Environment and Information Technology
s Mechanical Engineering
(Applied Science) <i>Mechanics</i>
(Applied Science) Mechanics - Physical Asset Management
quisites.
t hours per semester
presented in English
al and Aeronautical Engineering
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## **Module content**

Introduction to probabilistic distributions, computation of system reliability, building reliability models and optimisation of system reliability; Fault Tree Analysis; Failure Modes, Effects and Criticality Analysis (FMECA), Monte Carlo Simulation; probability-based design.

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