

University of Pretoria Yearbook 2021

Basic statistical methods 797 (SHC 797)

Qualification Postgraduate

Faculty Faculty of Engineering, Built Environment and Information Technology

Module credits 24.00

NQF Level 08

Prerequisites No prerequisites.

Contact time 40 Contact hours

Language of tuition Module is presented in English

Department Civil Engineering

Period of presentation Year

Module content

Basic mathematical methods. Algebra. Matrices and matrix algebra. Series expansions. Differentiation and integration. Probability theory. Graphic analysis. Discrete and continuous probability distributions. Moments and expectation. Statistical sampling and experimental design. Parameter estimation. Confidence intervals. Hypothesis testing. Regression analysis.

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