



University of Pretoria Yearbook 2017

Mathematical statistics 153 (WST 153)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	8.00
Programmes	BSc Extended programme - Mathematical Sciences
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Economic and Management Sciences Faculty of Natural and Agricultural Sciences
Prerequisites	WST 133 and WST143 and WTW 143. Must be taken concurrently with WTW 153.
Contact time	4 lectures per week, 1 practical per week, Foundation Course, 2 tutorials per week
Language of tuition	Module is presented in English
Academic organisation	Statistics
Period of presentation	Semester 1

Module content

Probability distributions:

Introductory distribution theory and special statistical distributions (Binomial, Geometric, Hypergeometric, Poisson, Uniform, Normal, Gamma). Generating functions and moments. Bivariate probability distributions. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

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