



University of Pretoria Yearbook 2022

Mathematical statistics 153 (WST 153)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	8.00
NQF Level	05
Programmes	BSc extended programme - Mathematical Sciences
Service modules	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	1 practical per week, 2 tutorials per week, 4 lectures per week, Foundation Course
Language of tuition	Module is presented in English
Department	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.

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.