



# University of Pretoria Yearbook 2019

## Statistics 120 (STK 120)

**Qualification** Undergraduate

**Faculty** [Faculty of Economic and Management Sciences](#)

**Module content**

Multivariate statistics:  
Analysis of variance, categorical data analysis, distribution-free methods, curve fitting, regression and correlation, the analysis of time series and indices.  
Statistical and economic applications of quantitative techniques:  
Systems of linear equations: drafting, matrices, solving and application. Optimisation; linear functions (two and more independent variables), non-linear functions (one and two independent variables). Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: producers' and consumers' surplus, distribution functions, probability distributions, probability density functions. Identification, use, evaluation, interpretation of statistical computer packages and statistical techniques.  
This module is also presented as an anti-semester bilingual module.

**Module credits** 13.00

**Programmes** [BAdmin Public Management and International Relations](#)

[BCom](#)

[BCom Agribusiness Management](#)

[BCom Business Management](#)

[BCom Economics](#)

[BCom Financial Sciences](#)

[BCom Human Resource Management](#)

[BCom Informatics Information Systems](#)

[BCom Investment Management](#)

[BCom Law](#)

[BCom Marketing Management](#)

[BCom Statistics](#)

[BCom Supply Chain Management](#)

[BEd Senior Phase and Further Education and Training Teaching](#)

[BSc Computer Science](#)

[BSc Information and Knowledge Systems](#)

[BTRP](#)



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BSocSci Philosophy, Politics and Economics

BSc Geoinformatics

BScAgric Agricultural Economics and Agribusiness Management

**Service modules**

Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Humanities

Faculty of Natural and Agricultural Sciences

**Prerequisites**

STK 110 GS or both STK 113 GS and STK 123 GS or both WST 133 and WST 143 or STK 133 and STK 143

**Contact time**

1 practical per week, 3 lectures per week, 1 tutorial per week

**Language of tuition**

Module is presented in English

**Department**

Statistics

**Period of presentation**

Semester 2

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