



University of Pretoria Yearbook 2017

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 [BCom](#)

[BCom Agribusiness Management](#)

[BCom Business Management](#)

[BCom Economics](#)

[BCom Entrepreneurship](#)

[BCom Financial Sciences](#)

[BCom Human Resource Management](#)

[BCom Informatics Information Systems](#)

[BCom Investment Management](#)

[BCom Law](#)

[BCom Marketing Management](#)

[BCom Recreation and Sports 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

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, 1 tutorial per week, 3 lectures per week

Language of tuition

Separate classes for Afrikaans and English

Academic organisation

Statistics

Period of presentation

Semester 2

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