



University of Pretoria Yearbook 2016

Statistics 120 (STK 120)

Qualification Undergraduate

Faculty Faculty of Economic and Management Sciences

Module credits 13.00

Programmes BAdmin Public Management

BCom Agribusiness Management

BCom Business Management

BCom Communication Management

BCom Economic and Management Sc

BCom Economics

BCom Entrepreneurship

BCom Financial Sciences

BCom Human Resource Management

BCom Informatics: Information Systems

BCom Investment Management

BCom Law

BCom Marketing Management

BCom Option: Supply Chain Management

BCom Recreation and Sports Management

BCom Statistics

BEd Senior Phase and Further Education and Training Teaching

BSc Information Technology Information and Knowledge Systems

BSc(Computer Science) Computer Science

BTown and Regional Planning Town and Regional Planning

BSocSci Option: Philosophy, Politics and Economics

BConsumer Science Clothing: Retail Management

BSc Applied Mathematics

BSc Geoinformatics

BSc Physics



BScAgric Agricultural Economics: Agribusiness Management

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| 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 or STK 133 and STK 143 |
| Contact time | 1 practical per week, 3 lectures per week, 1 tutorial per week |
| Language of tuition | Both Afr and Eng |
| Academic organisation | Statistics |
| Period of presentation | Semester 2 |

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.

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