



# University of Pretoria Yearbook 2018

## Statistics 120 (STK 120)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Economic and Management Sciences
<b>Module credits</b>	13.00
<b>Programmes</b>	BAdmin Public Management and International Relations 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 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
<b>Service modules</b>	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Humanities Faculty of Natural and Agricultural Sciences



---

<b>Prerequisites</b>	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
<b>Contact time</b>	1 practical per week, 1 tutorial per week, 3 lectures per week
<b>Language of tuition</b>	Separate classes for Afrikaans and English
<b>Department</b>	Statistics
<b>Period of presentation</b>	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.

---

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.