

# University of Pretoria Yearbook 2025

## Statistics 120 (STK 120)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	Faculty of Economic and Management Sciences
<b>Module credits</b>	13.00
<b>NQF Level</b>	05
<b>Programmes</b>	BAdmin specialising in Public Management and International Relations
	BCom 3-year programme
	BCom 4-year programme
	BCom specialising in Agribusiness Management
	BCom specialising in Business Management
	BCom specialising in Financial Management Sciences
	BCom specialising in Human Resource Management
	BCom specialising in Information Systems
	BCom specialising in Law
	BCom specialising in Marketing Management
	BCom specialising in Supply Chain Management
	Bachelor of Information Technology in Information Systems [BIT]
	Bachelor of Town and Regional Planning [BTRP]
	BSc in Computer Science
	BSc in Construction Management
	BSc in Quantity Surveying
	BSc in Real Estate
	Bachelor of Arts [BA] 3-year programme
	BSc in Geoinformatics
	BSc in Geoinformatics 4-year programme
<b>Service modules</b>	Faculty of Engineering, Built Environment and Information Technology
	Faculty of Humanities
	Faculty of Natural and Agricultural Sciences

<b>Prerequisites</b>	One of the following (1) STK 110, or (2) STK 113 and STK 123, or (3) STK 133 and STK 143, or (4) WST 133 and WST 143, or (5) WTW 134 and STC 152, or (6) WTW 134 and STK 123.
<b>Contact time</b>	1 tutorial per week, 3 lectures per week, 1 practical per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Statistics
<b>Period of presentation</b>	Semester 2

### Module content

*Students can only get credit for one of the following two modules: STK 120 or STK 121 or STC 121. This module is also presented as STK 121/STC 121, an anti-semester module in the first semester. This is a terminating module.*

Sampling distributions. Estimation theory, i.e. point estimation and confidence intervals. Hypothesis testing of sampling averages and proportions (one and two-sample cases). Non-parametric methods. Analysis of variance. Categorical data analysis. Curve fitting and regression analysis. The analysis of time series. Statistical concepts are demonstrated and interpreted through Excel (practical coding) and simulation within a data science framework.

### General Academic Regulations and Student Rules

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. The G Regulations are updated annually and may be amended after the publication of this information.

### Regulations, degree requirements and information

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

### University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.