



# University of Pretoria Yearbook 2024

## Statistics 110 (STK 110)

**Qualification** Undergraduate

**Faculty** Faculty of Economic and Management Sciences

**Module credits** 13.00

**NQF Level** 05

**Programmes** *BAdmin Public Management and International Relations*

*BCom (Accounting Sciences)*

*BCom 3-year programme*

*BCom Agribusiness Management*

*BCom Business Management*

*BCom Economics*

*BCom Financial Management Sciences*

*BCom Human Resource Management*

*BCom Informatics - Information Systems*

*BCom Investment Management*

*BCom Law*

*BCom Marketing Management*

*BCom Supply Chain Management*

*BCom Statistics*

*Bachelor of Information Technology Information Systems [BIT]*

*Bachelor of Town and Regional Planning [BTRP]*

*BSc Computer Science*

*BSc Construction Management*

*BSc Information and Knowledge Systems*

*BSc Quantity Surveying*

*BSc Real Estate*

*BA*

*BA Philosophy, Politics and Economics*

*Bachelor of Consumer Science Clothing Retail Management [BConSci]*



Bachelor of Consumer Science *Food Retail Management* [BConSci]

Bachelor of Consumer Science *Hospitality Management* [BConSci]

BSc *Geoinformatics*

BSc *Meteorology*

**Service modules** Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Humanities

Faculty of Natural and Agricultural Sciences

**Prerequisites** At least 5 (60-69%) in Mathematics in the Grade 12 examination. Candidates who do not qualify for STK 110 must register for STK 113 and STK 123

**Contact time** 1 practical per week, 1 tutorial per week, 3 lectures per week

**Language of tuition** Module is presented in English

**Department** Statistics

**Period of presentation** Semester 1

### Module content

Descriptive statistics:

Sampling and the collection of data; frequency distributions and graphical representations. Descriptive measures of location and dispersion.

Probability and inference:

Introductory probability theory and theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one and two-sample cases). Supporting mathematical concepts. Statistical concepts are demonstrated and interpreted through 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.