University of Pretoria Yearbook 2025

Biometry 120 (BME 120)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	16.00
NQF Level	05
Programmes	Bachelor of Information Technology in Information Systems [BIT]
	BSc in Information Technology in Information and Knowledge Systems
	BSc in Biochemistry
	BSc in Biotechnology
	BSc in Chemistry
	BSc in Chemistry 4-year programme
	BSc in Ecology
	BSc in Ecology 4-year programme
	BSc in Entomology
	BSc in Environmental and Engineering Geology
	BSc in Food Management specialising in Culinary Science
	BSc in Food Management specialising in Nutrition
	BSc in Food Science
	BSc in Genetics
	BSc in Geography option Geography and Environmental Science
	BSc in Geology
	BSc in Geology 4-year programme
	BSc in Human Genetics
	BSc in Human Physiology
	BSc in Human Physiology 4-year programme
	BSc in Human Physiology, Genetics and Psychology
	BSc in Medical Sciences
	BSc in Meteorology
	BSc in Meteorology 4-year programme

	BSc in Microbiology
	BSc in Physics
	BSc in Physics 4-year programme
	BSc in Plant Science
	BSc in Zoology
	BScAgric in Animal Science
	BScAgric in Applied Plant and Soil Sciences
	BScAgric in Applied Plant and Soil Sciences 5-year programme
	BScAgric in Plant Pathology
	BScAgric in Plant Pathology 5-year programme
	Bachelor of Veterinary Science [BVSc]
Service modules	Faculty of Engineering, Built Environment and Information Technology
	Faculty of Natural and Agricultural Sciences
	Faculty of Veterinary Science
Prerequisites	At least 4 (50-59%) in Mathematics in the Grade 12 examination, or at least 50% in both Statistics 113, 123
Contact time	4 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 2

Module content

Simple statistical analysis: Data collection and analysis: Samples, tabulation, graphical representation, describing location, spread and skewness. Introductory probability and distribution theory. Sampling distributions and the central limit theorem. Statistical inference: Basic principles, estimation and testing in the one- and two-sample cases (parametric and non-parametric). Introduction to experimental design. One- and twoway designs, randomised blocks. Multiple statistical analysis: Bivariate data sets: Curve fitting (linear and non-linear), growth curves. Statistical inference in the simple regression case. Categorical analysis: Testing goodness of fit and contingency tables. Multiple regression and correlation: Fitting and testing of models. Residual analysis. Computer literacy: Use of computer packages in data analysis and report writing.

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.