



# University of Pretoria Yearbook 2018

## Biometry 120 (BME 120)

**Qualification** Undergraduate

**Faculty** [Faculty of Economic and Management Sciences](#)

**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.

**Module credits** 16.00

**Programmes** [BSc Information and Knowledge Systems](#)

[BSc Biochemistry](#)

[BSc Biological Sciences](#)

[BSc Biotechnology](#)

[BSc Chemistry](#)

[BSc Culinary Science](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Environmental Sciences](#)

[BSc Extended programme - Biological and Agricultural Sciences](#)

[BSc Extended programme - Physical Sciences](#)

[BSc Food Science](#)

[BSc Genetics](#)

[BSc Human Genetics](#)

[BSc Human Physiology](#)

[BSc Human Physiology, Genetics and Psychology](#)

[BSc Medical Sciences](#)

[BSc Microbiology](#)



BSc Nutrition

BSc Plant Science

BSc Zoology

BScAgric Animal Science

BScAgric Applied Plant and Soil Sciences

BScAgric Plant Pathology

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**

1 practical per week, 4 lectures per week

**Language of tuition**

Separate classes for Afrikaans and English

**Department**

Statistics

**Period of presentation**

Semester 2

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