



University of Pretoria Yearbook 2017

Mathematical statistics 121 (WST 121)

Qualification Undergraduate

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

Module credits 16.00

Programmes [BCom](#)

[BCom Econometrics](#)

[BCom Statistics](#)

[BSc Computer Science](#)

[BSc Information and Knowledge Systems](#)

[BSc Actuarial and Financial Mathematics](#)

[BSc Applied Mathematics](#)

[BSc Extended programme - Mathematical Sciences](#)

[BSc Mathematical Statistics](#)

[BSc Mathematics](#)

Service modules Faculty of Engineering, Built Environment and Information Technology

Faculty of Economic and Management Sciences

Faculty of Natural and Agricultural Sciences

Prerequisites WST 111 GS or WST 133, 143 and 153

Contact time 1 practical per week, 4 lectures per week

Language of tuition Separate classes for Afrikaans and English

Academic organisation Statistics

Period of presentation Semester 2

Module content

Sampling distributions and the central limit theorem. Statistical inference: Point and interval estimation. Hypothesis testing with applications in one and two-sample cases. Introductory methods for: Linear regression and correlation, analysis of variance, categorical data analysis and non-parametric statistics. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

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