



# University of Pretoria Yearbook 2016

## Statistics 210 (STK 210)

**Qualification** Undergraduate

**Faculty** Faculty of Economic and Management Sciences

**Module credits** 20.00

**Programmes** BCom Agribusiness Management

BCom Economic and Management Sc

BCom Economics

BCom Informatics: Information Systems

BCom Investment Management

BCom Law

BCom Statistics

BSocSci Option: Philosophy, Politics and Economics

BScAgric Agricultural Economics: Agribusiness Management

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

Faculty of Humanities

Faculty of Natural and Agricultural Sciences

**Prerequisites** STK 110, STK 120

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

**Language of tuition** Double Medium

**Academic organisation** Statistics

**Period of presentation** Semester 1

### Module content

Counting techniques. Probability theory: Sample spaces, events, rules of probability, conditional probabilities, independent events and Bayes' theorem. Probability distributions and probability densities: cumulative distribution functions, marginal distributions, joint distributions, conditional distributions and independence. Expected values: Moments, Chebyshev's theorem, moment-generating functions, product moments, moments of linear combinations of random variables and conditional expectations. Transformation techniques of random variables. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.



The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.