



# University of Pretoria Yearbook 2020

## Biometry 210 (BME 210)

**Qualification** Undergraduate

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

**Module content** Analysis of variance: Multi-way classification. Testing of model assumptions, graphics. Multiple comparisons. Fixed, stochastic and mixed effect models. Block experiments. Estimation of effects. Experimental design: Principles of experimental design. Factorial experiments: Confounding, single degree of freedom approach, hierarchical classification. Balanced and unbalanced designs. Split-plot designs. Analysis of covariance. Computer literacy: Writing and interpretation of computer programmes. Report writing.

**Module credits** 24.00

**Programmes** [BSc Biotechnology](#)

[BSc Nutrition](#)

[BScAgric Animal Science](#)

**Service modules** Faculty of Natural and Agricultural Sciences

**Prerequisites** BME 120

**Contact time** 1 practical per week, 4 lectures per week

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

**Department** Statistics

**Period of presentation** Semester 1

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 each student to familiarise himself or herself 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.