



# University of Pretoria Yearbook 2022

## Biometry 210 (BME 210)

**Qualification** Undergraduate

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

**Module credits** 24.00

**NQF Level** 06

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

[BSc \(Ecology\)](#)

[BSc \(Nutrition\)](#)

[BScAgric \(Agricultural Economics and Agribusiness Management\)](#)

[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

### 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.

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