



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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