University of Pretoria Yearbook 2016

Biometry 210 (BME 210)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
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	4 lectures per week, 1 practical per week
Language of tuition	English
Academic organisation	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.