



University of Pretoria Yearbook 2017

Animal breeding 411 (TLR 411)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
Programmes	BScAgric Animal Science
Prerequisites	TLR 320 and simultaneously register for GVK 420, PVK420, KVK420
Contact time	2 lectures per week, 1 practical per week
Language of tuition	Module is presented in English
Academic organisation	Animal and Wildlife Sciences
Period of presentation	Semester 1

Module content

Components of animal performance. Sources of variation, population parameters and the estimation thereof. Introduction to matrix algebra for application in animal breeding. Selection indices theory. Statistical models in estimation of breeding values. Application of breeding values and prerequisites for accuracy. Breeding and selection for reproduction and growth. Principles of QTLs.

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