

University of Pretoria Yearbook 2021

Animal breeding 411 (TLR 411)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 12.00

NQF Level 08

Programmes [BScAgric Animal Science](#)

Prerequisites TLR 320 and GTS 261 and simultaneously register for GVK 420 and PVK 420

Contact time 1 practical per week, 2 lectures per week

Language of tuition Module is presented in English

Department Animal Science

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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