

University of Pretoria Yearbook 2022

Animal breeding 411 (TLR 411)

Qualification Undergraduate

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

Module credits 16.00

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, 4 lectures per week

Language of tuition Module is presented in English

Department Animal Science

Period of presentation Semester 1

Module content

Molecular breeding and selection, including DNA markers, applications of genomics such as biodiversity management, parentage verification, MAS and genomic selection. Formulation and application of breeding objectives. Species-specific breeding systems. Breeding objectives and selection programmes for beef and dairy cattle, small stock and companion animals. Selection of traits of economic importance and the efficiency thereof. Crossbreeding systems in meat producing farm animals.

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