



University of Pretoria Yearbook 2023

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 #GVK 410 and #PVK 420. Final year students only.
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 with reference to the role of Sustainable Development Goals (SDG's) in a southern African context. with reference to the role of Sustainable Development Goals (SDG's) in a southern African context. 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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