



# University of Pretoria Yearbook 2022

## Animal breeding 411 (TLR 411)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	16.00
<b>NQF Level</b>	08
<b>Programmes</b>	<a href="#">BScAgric (Animal Science)</a>
<b>Prerequisites</b>	TLR 320 and GTS 261 and simultaneously register for GVK 420 and PVK 420
<b>Contact time</b>	1 practical per week, 4 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Animal Science
<b>Period of presentation</b>	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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