

University of Pretoria Yearbook 2017

Animal breeding 320 (TLR 320)

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| Qualification | Undergraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 12.00 |
| Programmes | BScAgric Animal and Pasture Science BScAgric Animal Science |
| Prerequisites | GTS 261 |
| Contact time | fortnightly practicals, 2 lectures per week |
| Language of tuition | Separate classes for Afrikaans and English |
| Academic organisation | Animal and Wildlife Sciences |
| Period of presentation | Semester 2 |

Module content

Karyotyping of farm animals; breed and specie differences and the influence on classification of breeds. Influence of chromosomal aberrations. Phenotypic expression of genes and gene-interaction in farm animals. Single gene, major genes and polygenes. Variation in traits of economic importance and statistical description. Use of genetic variation. Estimation of breeding values and family indices on traits determined by single genes. Principles of breeding systems.

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