

# University of Pretoria Yearbook 2021

## Animal production systems and principles of breeding 200 (VAP 200)

**Qualification** Undergraduate

**Faculty** [Faculty of Veterinary Science](#)

**Module credits** 8.00

**NQF Level** 06

**Programmes** [BVSc](#)

**Prerequisites** Second year academic level and admission to relevant programme.

**Contact time** 3 lectures per week over 22 weeks, 4 practicals per year

**Language of tuition** Module is presented in English

**Department** Production Animal Studies

**Period of presentation** Year

### Module content

Introduction to the role and concepts of animal production systems in the South African food production economy. Evolution, domestication and breed development. Animal recording, trait classification and the concept of functional efficiency. Qualitative and quantitative breeding principles with specific reference to selection of farm animal species. Principles of communal farming systems in Southern Africa. Principles requirements and production indices for extensive, semi-intensive and intensive animal production systems with reference to dairy, beef, mutton, wool, mohair, poultry meat, egg, pork and venison production. Game management systems with reference to conservation and game farming. The role of the human in livestock production systems and sustainable production. The module contains practical sessions in farm animal management on a rotational basis including after-hours, weekends, public holidays and university recess.

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