

# University of Pretoria Yearbook 2020

## Animal science, breeding and nutrition 223 (VKU 223)

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| <b>Qualification</b>          | Undergraduate                                 |
| <b>Faculty</b>                | <a href="#">Faculty of Veterinary Science</a> |
| <b>Module credits</b>         | 14.00   |
| <b>Service modules</b>        | Faculty of Natural and Agricultural Sciences  |
| <b>Prerequisites</b>          | No prerequisites.                             |
| <b>Language of tuition</b>    | Module is presented in English                |
| <b>Department</b>             | Animal and Wildlife Sciences                  |
| <b>Period of presentation</b> | Semester 2                                    |

### Module content

Introduction to adaptation physiology with reference to origin and domestication of farm and companion animals. Livestock species, breed development and diversity. Principles of applied animal breeding, quantitative and qualitative inheritance. Trait classification and factors influencing genetic progress in farm animals. Introduction to animal nutrition with the focus on feed intake, digestibility and metabolism of feeds in both monogastric and ruminant animals. Classification of feedstuffs and the nutritive value in the diet for the different farm animal species. An introduction to applied nutrition and feeding of monogastric and ruminant animals, equine and companion animals.

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