

University of Pretoria Yearbook 2022

Dairy management and nutrition 410 (DMN 410)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	16.00
NQF Level	08
Programmes	BScAgric (Animal Science)
Prerequisites	VGE 320, and VKU 260 and simultaneously register for TLR 411 and PVK 420.
Contact time	1 practical per week, 4 practicals per week
Language of tuition	Module is presented in English
Department	Animal Science
Period of presentation	Semester 1

Module content

Specialised nutrition and management of dairy cattle during the different production phases and the integration thereof into practical on farm application in an environmentally friendly manner. Production phases include calves and heifers, dry and transition cows and the lactating herd under pasture or total mixed ration production systems. Topics covered include feed analyses and interpretation; protein, energy and mineral nutrition; diet formulation and nutritional models; milk composition and products; general management and cow comfort; milking and housing systems; disorders and diseases. Practical work: Farm visits, feed formulation, animal handling and troubleshooting.

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