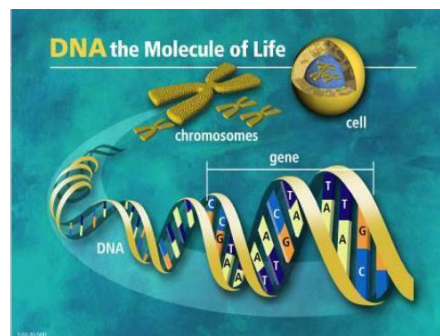
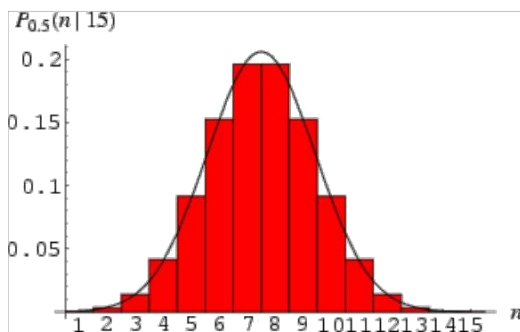


Animal Breeding course / Diereteelt kursus

**Accredited Diploma Course for
Producers and technical staff
UFS**



Kortkursus / Short course 2023

Koste / Cost R R3600.00 (In-person – 2 days)

Paradys Experimental Farm (Reddersburg road) / Paradys Proefplaas (Reddersburg pad) 18 - 19 April 2023

RSVP Izaan du Plooy 081 844 4853
Epos / email : office@lrf.co.za

Program/ Programme

Tuesday/Dinsdag – 18 April 2023

Registrasie/Registration (8:00 – 8:30)

Diereteelt beginsels / Animal Breeding Principles:

SESSIE/ SESSION 1 (8:30 – 10:30)

Mendeliese oorerwing / Mendelian inheritance
Enkel- en poligeniese oorerwing / Simply-inherited and polygenic traits
Seleksie vir enkel-geen-eienskappe / Selection for simply-inherited traits
Die Genetiese model vir kwantitatiewe eienskappe / The Genetic model for quantitative traits

(Prof Frikkie Nesor)

TEE / TEA (10:30 – 10:50)

SESSIE/ SESSION 2 (10:50 – 11:20)

Statistiek en die toepassing daarvan op kwantitatiewe eienskappe / Statistics and its application to quantitative traits

(Dr Mike Fair)

SESSIE/ SESSION 3 (11:20 – 12:15)

Oorerflikheid en herhaalbaarheid / Heritability and repeatability
Faktore wat die tempo van Genetiese veranderinge beïnvloed / Factors affecting the rate of Genetic changes
Genetiese voorspelling / Genetic prediction
Genetiese evaluasie in populasie / Large scale genetic evaluation

(Prof Frikkie Nesor)

SESSIE/ SESSION 4 (12:15 – 13:00)

Internet Solutions/ILROnline
Mating predictor

(Ms Izaan du Plooy)

MIDDAGETE / LUNCH (13:00 – 14:00)

BREEDPLAN & Introduction to Genomics:

SESSIE/ SESSION 5 (14:00 – 14:45)

BREEDPLAN Verslae / BREEDPLAN reports
Diagnostic

(Ms Izaan du Plooy)

SESSIE/ SESSION 6 (14:45 – 16:30)

TEE / TEA (15:30 – 15:45)

Inleiding tot Genomika / Introduction to Genomics
Die skuif na Genomika - agtergrond / Move to Genomics - background
MIPs to SNPs
Genomiese verwysingspopulasie / Genomic reference population

(Prof Frikkie Nesor & Dr Errol Casson)

Wednesday/Woensdag – 19 April 2023

Genomika/ Genomics & Selection indexes:

SESSIE/ SESSION 7 (8:00 – 9:00)

Vooruitgang in die toepassing van genomiese tegnologieë in vleisbeeste/ Advances in Application of Genomic
Technologies in Beef Cattle

(?)

SESSIE/ SESSION 8 (9:00 – 10:30)

Gekorreleerde verandering op seleksie / Correlated response to selection
Seleksie op meervuldige eienskappe / Multiple-Trait Selection
Indeks seleksie / Index Selection

(Mr Johan Styger)

TEE / TEA (10:30 – 11:00)

Praktiese toepassing/ Practical applications:

SESSIE/ SESSION 9 (11:00 – 13:00)

Kontemporêre groepe / Contemporary groups
Vergelyking van teëlwaardes oor kuddes / Comparison of breeding values across herds
Prestasie aantekening / Performance recording
Volledigheid van prestasie verslag / Completeness of performance report
Bul seleksie/ Bull selection

MIDDAGETE / LUNCH (13:00 – 14:00)

SESSIE/ SESSION 11 (14:00 – 14:30)

Moeilik meetbare eienskappe / Difficult to measure traits

(?)

SESSIE/ SESSION 12 (14:30 – 15:00)

Hoe UFS kudde se vrugbaarheid verbeter het? / How UFS improved their herd fertility?

(Prof. Frikkie Nesor)

SESSIE/ SESSION 13 (15:00 – 15:45)

Algemene vrae/ General questions

TEE / TEA (15:45 – 16:00)

SESSIE/ SESSION 14 (16:00 – 17:00)

Assessering/ Assessment

Aanbieders / Lectures:

Prof Frikkie Nesor – UFS
Dr Mike Fair - UFS
Dr Errol Cason - UFS
Ms Izaan du Plooy – LRF
Mr Johan Styger – LRF

Kursus materiaal/ Course material:

- Kursus handleiding – Sal deur LRF kantoor verskaf word. / Course manual – Will be supplied by LRF office.
- BREEDPLAN Handleiding – Sal deur LRF kantoor verskaf word. / BREEDPLAN manual – Will be supplied by LRF office.
- Vir verdere inligting is u welkom om deur die boek, “Animal breeding and genetics for BSc students” deur die Universiteit van Wageningen, te werk. Dit kan afgelaai word deur die volgende skakel te volg: <https://library.wur.nl/WebQuery/wurpubs/fulltext/365433>. Dit hoef nie noodwendig gedruk te word nie. / For more information, please look at the book, “Animal breeding and genetics for BSc students” by the University of Wageningen. The book can be downloaded by following the following link: <https://library.wur.nl/WebQuery/wurpubs/fulltext/365433>. You do not need to print it.