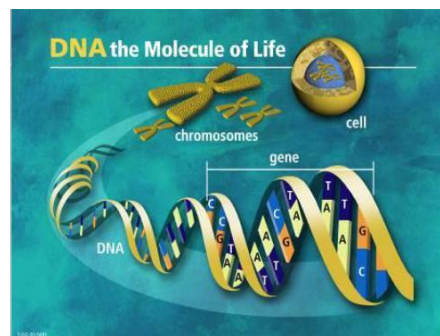
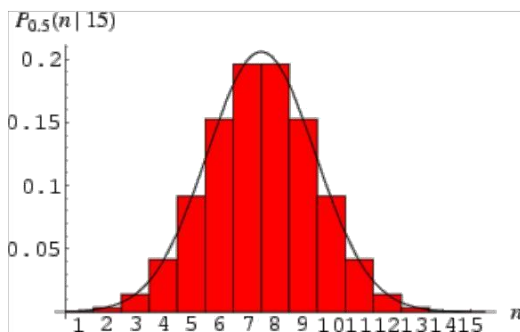


Animal Breeding course / Diereteelt kursus

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



Kortkursus / Short course 2021

Koste / Cost R R1500.00 (Virtual – 2 days)

Koste / Cost R R3500.00 (In-person – 2 days)

Paradys Experimental Farm (Reddersburg road) / Paradys Proefplaas (Reddersburg pad) 24-25 March/Maart 2021

RSVP Izaan du Plooy 012-667 5258
Epos / email office@lrf.co.za

Program/ Programme

Woensdag/Wednesday – 24 March/Maart 2021

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

TEE / TEA (10:30 – 10:45)

SESSIE/ SESSION 2 (10:45 – 11:45)

Die Genetiese model vir kwantitatiewe eienskappe / The Genetic model for quantitative traits
Statistiek en die toepassing daarvan op kwantitatiewe eienskappe / Statistics and its application to quantitative traits

SESSIE/ SESSION 3 (11:45 – 13:00)

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

MIDDAGETE / LUNCH (13:00 – 14:00)

SESSIE/ SESSION 4 (14:00 – 15:00)

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

BREEDPLAN & Internet Solutions:

SESSIE/ SESSION 5 (15:00 – 16:30)

Internet Solutions
Breedplan Verslae / Breedplan reports
Mating predictor

Donderdag/Thursday – 25 March/Maart 2021

Genomika/ Genomics:

SESSIE/ SESSION 6 (8:00 – 10:00)

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

TEE / TEA (10:00 – 10:15)

SESSIE/ SESSION 7 (10:15 – 11:15)

Genomika praktiese toepassing / Genomics practical application
DNA pyplyn / DNA pipeline
Suksesstories /Success stories

Praktiese toepassing/ Practical applications:

SESSIE/ SESSION 8 (11:15 – 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

MIDDAGETE / LUNCH (13:00 – 14:00)

SESSIE/ SESSION 9 (14:00 – 14:45)

Moeilik meetbare eienskappe / Difficult to measure traits

SESSIE/ SESSION 10 (14:45 – 15:30)

Kuddebestuur programme / Herd management programmes
Rekaanaar vaardighede om kuddebestuur te vergemaklik / Computer skills to ease herd management
Sorteer van data in Excel (Vlookup) / Sorting of data in Excel (Vlookup)
Integrasie van skaal en gewigte met rekenaar/bestuursprogram / Integrating scales and weights with computer/herd management system

SESSIE/ SESSION 10 (15:30 – 16:00)

Algemene vrae/ General questions

SESSIE/ SESSION 11 (16:00 – 17:00)

Assessering/ Assessment

Aanbieders / Lectures:

Prof Frikkie Nesor
Dr Mike Fair
Dr Michael Bradfield
Ms Izaan du Plooy
And others

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 have to print it.