BACCALAUREUS AGRICULTURAE **B.Agric.**

INFORMATION

Study aims

The objective of the degree is the training of students who will be able to apply agricultural knowledge practically on farm level as well as in agricultural related organisations. The B.Agric. qualification will allow persons to apply their knowledge in the fields of resource utilisation, agricultural production, processing, management and communication.

Admission requirements

Grade 12 Mathematics at standard grade level or Mathematics N4 is required for admission to the B.Agric. degree.

A prospective B.Agric. student can apply for admission to the B.Agric. learning programme before receiving the Dipl.Agric. qualification, on the following conditions:

(i) That the prospective student is in possession of an endorsed Grade 12 Certificate;
(ii) that LWL194, if not already passed, is additionally enrolled for;
(iii) that the compulsory first year modules of the B.Agric. learning programme, have already been passed.

Specialisation	Study code	Learning programme
Irrigation Management	~~0~~5311	1
Animal Production Management	~~0~~5312	2
Mixed-farming Management	~~0~~5313	3
Crop Production Management	~~0~~5314	4
Horticultural Management	~~0~~5315	5
Agricultural Management	~~0~~5316	6
Wildlife Management	~~0~~5317	7

B.Agric.: Specialisation in Agricultural Management

First academic year

First semester

BRS111 : Basic computer literacy
LWL114 : Biological principles in Agriculture
LWL134 : Chemical principles in Agriculture
LWL154 : Physical and mechanised principles in Agriculture
LWL194 : Mathematical calculations in Agriculture

Second semester

LEK124 : Statistical analysis and the economic management of resources
LWL144 : Biochemical principles in Agriculture
LWL164 : Microbiological principles in Agriculture
RIS121 : Advanced computer literacy

Second academic year

Third semester

GKD214 : Soil ecology
LEK214 : Agricultural finance
LWR214 : Introduction to Agrometeorology

Choose at least 16 credits from the following:

EKN114 : Introduction to economics and micro-economics
ENT114 : Introduction to morphology, anatomy and bio-ecology of insects as well as insect pests important to agriculture and their control

Fourth semester

LBV224 : Communication and agricultural extension
LEK224 : Farm planning and management
LNG224 : Engineering principles in agricultural practices

Choose at least 16 credits from the following:

AGR224 : Crop production principles
EKN124 : Introduction to macro-economics
VKD224 : Reproduction and animal products

		measures
PPG214	:	Principles of Plant Pathology
VKD214	:	Animal breeding and animal nutrition
VWS212	:	Introductory Food Science
WKD224	:	Veld as natural resource

Third academic year

Fifth semester

LEK314	:	Agricultural marketing
LWL312	:	Agricultural statistical analyses
LWR314	:	Climate and its influence on management practices

Choose at least 32 credits from the following:

AGR314	:	Production of summer crops
DAF314	:	Animal anatomy and physiology of farm animals
DVL314	:	Applied monogastric nutrition
EKN214	:	Micro-economics
GKD314	:	Soil evaluation and land-use planning
HRT314	:	Nursery management and cutflower production
LNG314	:	Hydraulics
PPG314	:	Principles of plant disease control
VWS314	:	Food products from animals
WDK314	:	Applied veld management and veld evaluation

Sixth semester

LBB344	:	Strategic Agricultural management
LBB362	:	Seminar in Agricultural management
LEK324	:	Advanced Agricultural marketing

Choose at least 32 credits from the following:

AGR324	:	Production of winter crops
DAF324	:	Animal health
DVL324	:	Applied ruminant nutrition
EKN224	:	Macro-economics
GKD324	:	Sustainable soil and water management
HRT324	:	Fruit cultivation
LNG324	:	Irrigation systems and irrigation surveying
LWR324	:	Crop growth modeling
PPG324	:	Plant health management
VWS324	:	Food products from plants
WDK324	:	Intensive pasture production

Learning programme 7 - Study code ~~0~~5317

B.Agric.: Specialisation in Wildlife Management

First academic year

First semester

BRS111	:	Basic computer literacy
LWL114	:	Biological principles in Agriculture
LWL134	:	Chemical principles in Agriculture
LWL154	:	Physical and mechanised principles in Agriculture
LWL194	:	Mathematical calculations in Agriculture

Second semester

LEK124	:	Statistical analysis and the economic management of resources
LWL144	:	Biochemical principles in Agriculture
LWL164	:	Microbiological principles in Agriculture
RIS121	:	Advanced computer literacy

Second academic year

Third semester

GKD214	:	Soil ecology
LEK214	:	Agricultural finance
LWR214	:	Introduction to Agrometeorology

Choose at least 16 credits from the following:

ENT114	:	Introduction to morphology, anatomy and bio-ecology of insects as well as insect pests important to agriculture and their control measures
GWS114	:	Introduction to general Geo Science
VKD214	:	Animal breeding and animal nutrition

Fourth semester

LBV224	:	Communication and agricultural extension
LEK224	:	Farm planning and management
WDK224	:	Veld as natural resource

Choose at least 16 credits from the following:

LNG224	:	Engineering principles in agricultural practices
VKD224	:	Reproduction and animal products

Third academic year

Fifth semester

GKD314 : Soil evaluation and land use planning
LEK314 : Agricultural marketing
LWL312 : Agricultural statistical analyses
WDK314 : Applied veld management and veld evaluation

Choose at least 16 credits from the following:

DVL314 : Applied mongastric nutrition
LWR314 : Climate and its influence on management practices

Sixth semester

LBB344 : Strategic Agricultural management
LBB362 : Seminar in Agricultural management
WDK324 : Intensive pasture production

Choose at least 32 credits from the following:

DAF324 : Animal health
DRK344 : Animal behaviour
DVL324 : Applied ruminant nutrition
GKD324 : Sustainable soil and water management
LEK324 : Advanced Agricultural marketing

LBB344 (16 credits) - Strategic agricultural management
(Department of Agricultural Economics)
Three lectures and a three hour practical per week in the second semester
One examination paper of three hours.
Strategic thinking is in the present turbulent agricultural environment of crucial importance. In this module the student will gain knowledge about implementing the steps in strategic management as well as the tasks of the strategic manager; strategic management of new technologies; developing creative and innovative thoughts; setting a paradigm shift for a farm; re-engineering of a farm; drawing a scenario for any agricultural product or possible outcomes in the future; discounting droughts strategically in the decision-making process; developing a community development programme for any community (commercial agriculture) in the form of an executable plan.

Practical work
Development of a paradigm shift, re-engineering, scenarios and strategic plan for a farming business and a community development project (as part of the service-learning programme) as well as creativity exercises; practical demonstrations of new technologies in agriculture.

LBB362 (8 credits) - Seminar in agricultural management
(Department of Agricultural Economics)
Second semester

After completion of this module the student will be able to develop an integrated farm management model on a spreadsheet and to defend the model in an oral exam.