University of Pretoria Yearbook 2021

MMedVet Bovine Health and Production (Coursework) (08250055)

Department	Production Animal Studies
Minimum duration of study	3 years
Total credits	360
NQF level	09

Programme information

This programme is offered by the Department of Production Animal Sciences.

The master's degree in Veterinary Medicine is a professional degree and equips the student with a broad scientific background in the theoretical and practical aspects of the chosen field of study.

The MMedVet degree may entitle the holder to registration as a specialist with the South African Veterinary Council together with other requirements as determined by Council. Candidates are encouraged to review current Council guidelines on specialist registration.

Students are required to confirm whether a module will be presented in any particular year. This enquiry should be directed to the relevant head of department.

Also consult the UP General Regulations.

Admission requirements

Minimum admission requirements:

1. BVSc degree or an equivalent veterinary degree
2. Applicable experience of at least two years as a veterinarian, or training of at least one year in the specific field as an intern at a recognised training facility
3. An entrance examination may be required
4. Registration as a veterinarian with the South African Veterinary Council (SAVC) or authorisation by the SAVC to be enrolled for MMedVet studies

Additional requirements

The candidate will be required to work full-time at the faculty in the field of specialisation under supervision of an approved supervisor for the required duration.

Notification

While the MMedVet is an advanced professional programme equivalent to specialist certification, registration to practise as a specialist is controlled by the SAVC or international equivalent. These bodies may have additional requirements for registration that are not university requirements. Please check their requirements

as well.

Examinations and pass requirements

Also consult the applicable General Regulations.

Conferment of the degree
The MMedVet is conferred by virtue of completion of a minimum of 90 weeks of clinical training, examination in the specialist module, and a mini-dissertation

Examinations
The examination(s) in the specialist field of study may only be taken on completion of the minimum clinical training.
The nature and duration of the specialist module's examination(s), which will test fully the theoretical knowledge as well as the practical skills of the student, is determined by the head of department in which the chosen field of study is offered.
A minimum examination mark of 50% is required in each of the theoretical and practical and oral sections of the specialist module.
Students who intend applying for membership of a specialist college abroad later on, should bear in mind that many of these colleges require a minimum examination mark and a final mark of at least 60% for admission.

Research information

Mini-dissertation
(Also consult the General Regulations)
A student must submit a mini-dissertation, which deals with the particular field of specialization.
A mini-dissertation is based on a research project or related research projects (which need not be original), planned and written down by the student within the theme of the chosen specialization. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.) The student may use appropriate research done previously, to add to the writing of the mini-dissertation.
Earlier, related publications by the student may be bound with the mini-dissertation, but may not substitute the complete text of the mini-dissertation. Publications that are submitted, must be rounded off by means of an extensive introduction, materials, and information concerning methods and a discussion of the results. The mini-dissertation will be evaluated by two examiners, who may not necessarily attend the final examination.
The average of the separate marks awarded by the two examiners, constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. A student who has failed may be permitted by the Dean, on the recommendation of the relevant head of department, to submit an amended mini-dissertation for final adjudication.

Pass with distinction

In order to obtain the degree with distinction, a minimum final mark of 75% is required for the field of specialisation and the mini-dissertation.

Curriculum: Year 1

Core modules

Bovine health and production 800 (BHP 800)

Module credits	270.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Production Animal Studies
Period of presentation	Year

Module content

Advanced and applied training to augment theoretical material presented in core and elective modules. Depending on the students' focus and field of interest he/she can chose per capita topics pertaining to either dairy herd health, beef herd health, feedlot beef production or clinical medicine. Dairy herd health can include in depth reviews on mastitis problems, dairy nutrition, dairy reproduction, lameness, young stock management and associated metabolic conditions. Beef herd health can include veld and pasture management, beef production and nutrition, reproduction and pertinent diseases and conditions. Feedlot beef production can include feedlot nutrition, respiratory anatomy and physiology, respiratory diseases, conditions, diagnosis and treatment, pharmacology, young stock management and production indices. Clinical medicine can include organ, metabolic and deficiency conditions along with the relevant pathophysiology, diagnosis and treatment methods. Advanced training in the chosen topics will be offered firstly in the form of seminar presentation and discussions. Clinical applications will be offered in the form of field visits to the relevant chosen areas and fields of interest as well as clinical supervision within the veterinary hospital clinical rotations. Supervised clinical training comprises a minimum 90 weeks. Integration and application of knowledge of health and production problems and evaluation of health status, production and economic effectiveness of dairy and or beef systems will be core.

Mini-dissertation: Bovine health and production 890 (BHP 890)

Module credits	90.00
NQF Level	09
Prerequisites	VRM 813
Language of tuition	Module is presented in English
Department	Production Animal Studies
Period of presentation	Year

Module content

Mini-dissertation

Research methodology 813 (VRM 813)

Module credits	0.00

NQF Level	09
Language of tuition	Module is presented in English
Department	Veterinary Tropical Diseases
Period of presentation	Semester 1 and Semester 2

Module content

A web-based introductory module in research methodology that includes planning and undertaking a research project or clinical trial, collecting and analysing data, scientific writing, and enabling preparation and presenting of a research protocol.

Curriculum: Year 2

Core modules

Bovine health and production 800 (BHP 800)

Module credits	270.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Production Animal Studies
Period of presentation	Year

Module content

Advanced and applied training to augment theoretical material presented in core and elective modules. Depending on the students' focus and field of interest he/she can chose per capita topics pertaining to either dairy herd health, beef herd health, feedlot beef production or clinical medicine. Dairy herd health can include in depth reviews on mastitis problems, dairy nutrition, dairy reproduction, lameness, young stock management and associated metabolic conditions. Beef herd health can include veld and pasture management, beef production and nutrition, reproduction and pertinent diseases and conditions. Feedlot beef production can include feedlot nutrition, respiratory anatomy and physiology, respiratory diseases, conditions, diagnosis and treatment, pharmacology, young stock management and production indices. Clinical medicine can include organ, metabolic and deficiency conditions along with the relevant pathophysiology, diagnosis and treatment methods. Advanced training in the chosen topics will be offered firstly in the form of seminar presentation and discussions. Clinical applications will be offered in the form of field visits to the relevant chosen areas and fields of interest as well as clinical supervision within the veterinary hospital clinical rotations. Supervised clinical training comprises a minimum 90 weeks. Integration and application of knowledge of health and production problems and evaluation of health status, production and economic effectiveness of dairy and or beef systems will be core.

Mini-dissertation: Bovine health and production 890 (BHP 890)

Module credits	90.00
NQF Level	09
Prerequisites	VRM 813
Language of tuition	Module is presented in English
Department	Production Animal Studies
Period of presentation	Year

Module content

Mini-dissertation

Curriculum: Final year

Core modules

Bovine health and production 800 (BHP 800)

Module credits	270.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Production Animal Studies
Period of presentation	Year

Module content

Advanced and applied training to augment theoretical material presented in core and elective modules. Depending on the students' focus and field of interest he/she can chose per capita topics pertaining to either dairy herd health, beef herd health, feedlot beef production or clinical medicine. Dairy herd health can include in depth reviews on mastitis problems, dairy nutrition, dairy reproduction, lameness, young stock management and associated metabolic conditions. Beef herd health can include veld and pasture management, beef production and nutrition, reproduction and pertinent diseases and conditions. Feedlot beef production can include feedlot nutrition, respiratory anatomy and physiology, respiratory diseases, conditions, diagnosis and treatment, pharmacology, young stock management and production indices. Clinical medicine can include organ, metabolic and deficiency conditions along with the relevant pathophysiology, diagnosis and treatment methods. Advanced training in the chosen topics will be offered firstly in the form of seminar presentation and discussions. Clinical applications will be offered in the form of field visits to the relevant chosen areas and fields of interest as well as clinical supervision within the veterinary hospital clinical rotations. Supervised clinical training comprises a minimum 90 weeks. Integration and application of knowledge of health and production problems and evaluation of health status, production and economic effectiveness of dairy and or beef systems will be core.

Mini-dissertation: Bovine health and production 890 (BHP 890)

Module credits	90.00
NQF Level	09
Prerequisites	VRM 813
Language of tuition	Module is presented in English
Department	Production Animal Studies
Period of presentation	Year

Module content

Mini-dissertation

The information published here is subject to change and may be amended after the publication of this information. The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the General Rules section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.