University of Pretoria Yearbook 2020

MMedVet Clinical Laboratory Diagnostics (Coursework) (08250192)

Minimum duration of study	3 years
Total credits	360
NQF level	09

Programme information

This programme is offered by the Department of Companion Animal Clinical Studies.

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

- Subject to the stipulations of the applicable UP General Regulations, a candidate must be in possession of the BVSc or an equivalent veterinary degree; and have two (2) years of applicable post-qualification general veterinary experience or one year of training in the specific field as an intern at a recognized training facility. In certain cases, the head of department under which a specific field of study lies, may require a candidate to pass an entrance examination to demonstrate that the person has the relevant experience.
- Students will be required to submit a project concept note as part of the application, for consideration for admission.

Additional Requirements

- Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council during the training.
- The candidate will be required to work fulltime in the field of specialization under supervision of an approved supervisor for the required duration at a facility approved for this purpose.
- The number of students that can be admitted to the MMedVet degree programme annually depends on the training capacity of a department, the number of specialists appointed and the number of available posts.
- All international applicants whose first language is not English, may be required to pass a proficiency test in English (TOEFL). Application and more information: www.ets.org/toefl/
- Postgraduate applicants who have completed any foreign qualifications must have all their previous post-school

qualifications evaluated by the South African Qualifications Authority (SAQA) before applying for postgraduate studies at the University of Pretoria: www.saqa.org.za

International requirements

- Candidates not yet registered or authorised by the South African Veterinary Council can find more information on the South African Veterinary Council website at www.savc.org.za

Notification

- While the MMedVet is an advanced professional programme equivalent to specialist certification, registration to practice as a specialist is controlled by the South African Veterinary Council 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

Clinical laboratory diagnostics 800 (KDK 800)

Module credits	270.00
Language of tuition	Module is presented in English
Department	Companion Animal Clinical Studies
Period of presentation	Year

Module content

Advanced training in veterinary clinical laboratory diagnostics including theoretical as well as practical knowledge of clinical biochemistry, clinical endocrinology, haematology, cytology, capita selecta aspects of: diagnostic bacteriology; diagnostic virology; diagnostic immunology; diagnostic protozoology; diagnostic toxicology and diagnostic parasitology; quality control; applied biometry; electronics/optics of laboratory equipment, and computer use.

Mini-dissertation: Clinical laboratory diagnostics 890 (KDK 890)

Module credits	90.00
Prerequisites	VRM 813
Language of tuition	Module is presented in English
Department	Companion Animal Clinical Studies
Period of presentation	Year

Research methodology 813 (VRM 813)

Module credits	0.00
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

Clinical laboratory diagnostics 800 (KDK 800)

Module credits	270.00
Language of tuition	Module is presented in English
Department	Companion Animal Clinical Studies
Period of presentation	Year

Module content

Advanced training in veterinary clinical laboratory diagnostics including theoretical as well as practical knowledge of clinical biochemistry, clinical endocrinology, haematology, cytology, capita selecta aspects of: diagnostic bacteriology; diagnostic virology; diagnostic immunology; diagnostic protozoology; diagnostic toxicology and diagnostic parasitology; quality control; applied biometry; electronics/optics of laboratory equipment, and computer use.

Mini-dissertation: Clinical laboratory diagnostics 890 (KDK 890)

Module credits	90.00
Prerequisites	VRM 813
Language of tuition	Module is presented in English
Department	Companion Animal Clinical Studies
Period of presentation	Year

Curriculum: Final year

Core modules

Clinical laboratory diagnostics 800 (KDK 800)

Module credits	270.00
Language of tuition	Module is presented in English
Department	Companion Animal Clinical Studies
Period of presentation	Year

Module content

Advanced training in veterinary clinical laboratory diagnostics including theoretical as well as practical knowledge of clinical biochemistry, clinical endocrinology, haematology, cytology, capita selecta aspects of: diagnostic bacteriology; diagnostic virology; diagnostic immunology; diagnostic protozoology; diagnostic toxicology and diagnostic parasitology; quality control; applied biometry; electronics/optics of laboratory equipment, and computer use.

Mini-dissertation: Clinical laboratory diagnostics 890 (KDK 890)

Module credits	90.00
Prerequisites	VRM 813
Language of tuition	Module is presented in English
Department	Companion Animal Clinical Studies
Period of presentation	Year