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# Universiteit van Pretoria Jaarboek 2017

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## Fakulteit Veeartsenykunde

### **Welkom by die Fakulteit Veeartsenykunde**

Neem asseblief kennis dat al die programme by die Fakulteit Veeartsenykunde slegs in Engels aangebied word. Verwys na die Engelse weergawe vir meer inligting.

### Fakulteitsregulasies en -inligting

\*Hierdie inligting is slegs in Engels beskikbaar.

*The rules for the degrees published here are subject to change and may be amended prior to the commencement of the academic year.*

*The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of each student to familiarise himself or herself well with these regulations. Ignorance concerning these regulations will not be accepted as an excuse for any transgression.*

#### **BVSc degree programme**

The BVSc degree programme has been reviewed and a new core-elective single degree structure has been developed. The first year of the programme is presented at the Hatfield Campus of the University and the remainder at the Onderstepoort Campus. The majority of students are selected for admission to the first year of study. A small number will also be selected for admission to the second year of study provided they have completed the required first-year modules.

#### **University Diploma in Veterinary Nursing**

A limited number of students will be admitted to the first year of the programme which is presented, together with the second year of study, at the Onderstepoort Campus.

#### **Language of tuition**

In conducting its business, the University uses two official languages, namely English and Afrikaans. However, in formal education the language of tuition in the faculty of Veterinary Science is only in English. In respect of administrative and other services, a student has the right to choose whether the University should communicate with him or her in English or Afrikaans. Where the University has the capacity, Sepedi is used as an additional language of communication.

#### **Academic Orientation Programme**

This programme is presented annually for all first-year students on the Hatfield campus. Attendance is compulsory. A scaled-down version is also presented to second-year BVSc students on the Onderstepoort campus at the start of the academic year. Attendance is compulsory.

A similar programme is presented annually for all new diploma students on the Onderstepoort campus. Attendance is compulsory. Parents of diploma students may attend the first day of the programme, details of which will be provided in the documentation sent to all successful candidates at the end of the selection process.

#### **Hospital Orientation Programme**



The programme is presented annually for BVSc V students. It takes place during the week before the clinic rotation programme starts in July. Attendance is compulsory.

### **Prescribed books and instruments**

Students are requested not to purchase any books or instruments before they start with their chosen programme. Specific requirements will be provided during the academic orientation programme as well as in the relevant study guides.

### **Dress code**

Special instructions regarding dress must be adhered to. Details will be furnished when students are notified that they have been selected for the programme. Provision is made during the orientation programme for the acquisition of protective clothing.

### **Excursions**

As it is essential to gain practical experience outside the Faculty, students are reminded to make provision for an adequate amount of money to cover expenses for excursions throughout their period of study. Details are provided in the relevant study guides.

### **Vaccinations**

It is expected of every student to complete the required vaccination protocol against rabies as arranged by Student Administration. The protocol is for the student's own account. Provision is made for the availability of documentation to facilitate claims with medical aid schemes.

### **Academic literacy**

It is expected of all new undergraduate students to complete the prescribed academic literacy module(s) as contained in the academic curriculum of the relevant programme.

### **Examinations and pass requirements**

A final mark of at least 50% is required to pass a module. Students are also referred to the Faculty approved Guidelines for Examinations and related matters in the Faculty of Veterinary Science as well as individual study guides.

### **Subminima in examinations**

Subminima required in modules or subdivisions of modules appear in the study guides issued annually for these modules.

### **Weighting of modules**

The percentage of weighting of subsections of an examination in the calculation of the examination mark will be indicated in the individual study guides.

### **Examinations (Reg G.12)**

The examinations for modules offered in the first semester, take place in April to June, while all other examinations (for second-semester modules and year modules) take place from August to November.

### **Ancillary examinations (Reg G.12.3)**

After completion of an examination and before the final examination results are announced, the examiners may offer an additional evaluation opportunity on certain aspects of the work of the module as provided for in the Guidelines for Examinations and related matters in the Faculty of Veterinary Science.

### **Special examination**

Students who have failed one or two modules and who have not been admitted to a supplementary examination, or who fail the supplementary examination(s), may be allowed to take a special examination after having worked

full-time in the department/s concerned for a period determined by the head/s of department and with the Dean's approval. If they fail the latter, the Dean will determine when a further examination may be taken.

### **Perusal and re-marking of examination papers scripts (also consult Reg G.14)**

After an examination, departments provide feedback to students concerning the framework that was used by the examiners during the examination. The manner in which feedback is given is determined by the heads of department.

Students may apply for re-marking of an examination paper after perusal of the paper and payment of the prescribed fee. **This should take place within 5 working days after the announcement of the results of the primary examination and within 3 working days after the announcement of the results of the supplementary examination.** The examiner will be appointed by the head of the department concerned. Re-evaluation of oral examinations is not allowed.

### **Supplementary examinations**

A head of department may require from a student who has been admitted to a supplementary examination, to do additional prescribed work for a specified period of time before he or she may take the supplementary examination as approved by the Dean. A student will only be allowed to do supplementary examinations in two modules.

### **Statutory requirements**

Registration requirements contained in the relevant programmes.

### **Promotion requirements**

Promotion to a subsequent year of study in all undergraduate programmes offered by the Faculty is subject to the successful completion of all modules of the relevant year of study. Students are also referred to the curriculum and other information of each programme.



## Voorgraadse Dipl/Sert

### Universiteitsdiploma Veterinêre Verpleegkunde (08120002)

**Duur van studie** 2 jaar

#### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme may be phased out in due time and be replaced by a three-year degree programme pending approval and accreditation.

Check Faculty website for notification in this regard.

The University retains the right not to admit students in the old programme as from 2015.

#### Addisionele vereistes

Students are admitted annually after selection according to the approved procedure.

Each student must apply, immediately after first admission, to the Registrar of the South African Veterinary Council for registration as a student in veterinary nursing. Registration is compulsory and must be renewed annually for the duration of the study.

After the diploma has been awarded, diplomates are required to register with the South African Veterinary Council as veterinary nurses before they may be employed in South Africa in this capacity.

#### Eksamens en slaagvereistes

The stipulations of General Regulation G.10.1 regarding satisfactory attendance, preparation, as well as the payment of class fees, apply to examination, promotion and attendance modules. In addition, attendance at all the prescribed lectures, practicals, clinics (including holiday clinics) and excursions is compulsory. Absence with good reason from any of these must be substantiated by a medical certificate or other acceptable proof, failing which admission to the examination could be refused. Failure to comply with General Regulation G.10.1 will also result in examination refusal.

In order to pass an examination module, a student must obtain a subminimum of 40% in the examination and a final mark of at least 50%. In promotion modules, a semester or year mark of at least 50% is required to pass. The theoretical part (i.e. written and/or oral) and the practical part (where applicable) of the examinations contribute an equal amount (i.e. 50:50) in the calculation of the final mark.

If the examination includes a practical as well as a theoretical part, a sub-minimum of 40% is required in each section.

An examination mark of 50% is required to pass a supplementary examination. The semester or year mark is not taken into calculation.

Supplementary examinations may be granted to a student in an unlimited number of modules in the first year of study, but not in the second year of study.

A student must pass all the modules of the first year of study in order to be promoted to the second year of study. A single further examination will, however, be allowed for students who have only one of the following modules outstanding at the end of the academic year, provided the final mark is at least 40%:

- AVP 111 General nursing
- FAK 120 Pharmacology
- GSV 120 Reproductive nursing
- LTG 120 Laboratory technique



- MBI 111 Microbiology
- MVP 120 Medical nursing
- PAR 120 Parasitology
- TPR 120 Theatre practice
- VET 110 Veterinary ethology

### **Supplementary examinations in the first year**

Subject to the provisions of Regulation V.13 (d)(i), students who obtain a final mark of between 40% and 49% in General nursing 111, Microbiology 111 or Veterinary ethology 110, may be admitted to a supplementary examination immediately after the first semester examinations. The provisions of Regulation V.13 (d)(v) also apply.

### **Supplementary examinations in the final year**

A student in the final year of study may be granted a maximum of two supplementary examinations. A head of department may require from a student who has been admitted to a supplementary examination, to do additional prescribed work for a specified period of time before he or she may take the supplementary examination as approved by the Dean.

### **Special examination**

A student who has failed one or two modules and who has not been admitted to a supplementary examination, or who fails the supplementary examination(s), may be allowed to take a special examination after having worked full-time in the department/s concerned for a period determined by the head/s of department and with the Dean's approval. If he or she fails the latter, the Dean will determine when a further examination may be taken.

### **Repetition of the final year of study**

A student who has failed more than two modules at the time of the Examination Commission meeting, must repeat the last two semesters of the curriculum with due cognisance of rule V.13 (e), unless the Dean decides otherwise.

### **General pass requirements**

In addition to the stipulations of General Regulations, G.3.2(b), a student will not be allowed to repeat the same year of study twice.

A student who has to discontinue his or her studies in terms of stipulations (e) and (g) above, may request the Dean in writing to consider his or her application for re-admission to the Faculty in terms of prescribed procedures as stipulated in Application of General Regulation G.3 and Faculty Regulation V.1.c(ix) in the Faculty of Veterinary Science, University of Pretoria as approved by the Faculty Board.

## **Bevordering tot volgende studiejaar**

A student, who fails one or more modules in the first year of study, is subject to selection once again. A limited number of four students will be re-admitted to the first year of study. If re-admitted, the student has to repeat the first year of study. Students may apply for exemption from the examination in modules already passed, provided that a year or semester mark of at least 50% is obtained in the relevant modules in the year during which first-year studies are repeated and the requirements of V.13 (c) have been met. For modules passed with a final mark of 65% or more, full exemption of lectures and examinations is granted.

## **Praktiese/kliniese/internskapinligting**

### **Clinical experience (including practical work)**

Proof of satisfactory completion of prescribed clinical and practical components of the programme as prescribed below, must be submitted to the Head: Student Administration of the Faculty, prior to the commencement of the final examinations. Failure to do so may lead to examination refusal.



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In state control of stock diseases and administration: experience at an approved institution as approved by the Dean.

Practical and clinical experience at the Faculty and at approved private practices as well as other institutions as approved by the Dean.

### **Clinical skills training in the first year**

Clinical skills training must be completed at various clinics of the Veterinary Academic Hospital throughout the year and during the December holidays, and also on a rotation basis at Outpatients, Isolation Ward and Intensive Care Unit after-hours and over weekends.

### **Clinical skills training in the final year**

Clinical skills training must be completed in various clinics of the Veterinary Academic Hospital. Students also have to work on a rotation basis at Outpatients, in the Isolation Ward and the Intensive Care Unit after hours and over weekends and holidays.

After-hour duties are also required in the Equine Clinic, Ambulatory Services and the Reproduction Clinic.

Students are also required to gain experience at the following institutions for two weeks each: an approved veterinary institute, private practice or clinic of their own choice at the Veterinary Academic Hospital. Additional rotations must be done at the Veterinary Academic Hospital during the April holidays.

## **Slaag met lof**

The diploma is awarded with distinction to a student who has obtained at least 60% in each module throughout the programme, and an average of at least 75% in the final year.



## Voorgraadse Grade

### BVSc (08130005)

**Duur van studie** 6 jaar

#### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

Each student must apply immediately after first admission to the Registrar of the South African Veterinary Council for registration as a student in Veterinary Science. Registration is compulsory and must be renewed annually for the duration of the study.

After the degree has been conferred, graduates are required to register with the South African Veterinary Council as veterinarians before they may practise in South Africa in this capacity.

#### Toelatingsvereistes

- Alle programme in hierdie Fakulteit is onderworpe aan onder meer keuringsprosedures wat akademiese meriete, die uitslae van die Nasionale Normtoets (NBT) en 'n Toegevoegdewaarde-vraelys insluit. Aansoekers wat BVSc (Baccalaureus in Veeartsykunde) of die Diploma in Veterinêre Verpleegkunde as hul eerste keuse aandui, sal voorkeur ontvang. Ten einde voorlopige toelating te behou, moet kandidate steeds aan die minimum vakvereistes en Toelatingspunttelling (TPT) voldoen op grond van hul finale skooljaar-eksamenuitslae.
- Die volgende persone sal vir toelating oorweeg word: 'n kandidaat wat oor 'n sertifikaat beskik wat deur die Universiteit as gelykstaande aan die vereiste Graad 12-sertifikaat met toelating vir graaddoeleindes aanvaar word; 'n kandidaat wat 'n gegradueerde van 'n ander tersiêre instelling is of die status van 'n gegradueerde van so 'n instelling geniet; en 'n kandidaat wat 'n gegradueerde van 'n ander fakulteit van die Universiteit van Pretoria is.
- Lewensoriëntering word uitgesluit wanneer die TPT bereken word.
- Die NBT en die Toegevoegdewaarde-vraelys is verpligte komponente van die keuringsproses. Aansoekers met 'n TPT tussen 30 en 32 sal oorweeg word vir toelating tot die BSc – Verlengde program vir die Biologiese en Landbouwetenskappe. Kandidate in hierdie kategorie word tot die tweede semester van die eerste jaar van die BVSc toegelaat na die suksesvolle voltooiing van die eerste drie semesters van die BSc – Verlengde program.

Minimum vereistes vir 2017												
Prestasievlak												
Engels				Wiskunde				Fisiese Wetenskap				TPT
NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	
5	3	C	C	5	3	C	C	5	3	C	C	32

#### Ander programspesifieke inligting

For some modules, only a promotional mark will be given; the module will be credited in a later semester.

#### Duration of study

- (i) Six years of full-time study



(ii) Seven years of full-time study for those students who access the BVSc programme through the four-year BSc programme.

### **Praktiese/kliniese/internskapinligting**

#### **Clinical experience (including practical work)**

Proof of satisfactory completion of prescribed clinical and practical components of the programme as prescribed below must be submitted to the Head: Student Administration of the Faculty, prior to the commencement of the final examinations. Failure to do so may lead to examination refusal.

- In state control of stock diseases and administration: experience at an approved institution as approved by the Dean.
- Practical and clinical experience at the Faculty and at approved private practices as well as other institutions as approved by the Dean.

### **Slaag met lof**

The BVSc degree is conferred with distinction on a student who has obtained at least 60% for each module during the last three years of study, and a cumulative average of at least 75% for all the modules in the final year of BVSc study.





# Magister

## MMedVet Anesthesiologie (Gedoseer) (08250132)

**Duur van studie** 3 jaar

### Programminligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.



## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Beelddiagnostiek (08250143)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.



## Ander programspesifieke inligting

Specific prerequisites for the programme:

BVScHons with the following modules:

ANG 774 Anatomy and three of the following depending on specie bias:

- DIM 781 Radiology: Dogs and cats
- DIM 782 Non-radiological diagnostic imaging of dogs and cats
- DIM 783 Radiology: Horses
- DIM 784 Non-radiological diagnostic imaging of horses
- GEN 703 Equine medicine
- GEN 707 Small animal medicine

## Eksamens en slaagvereistes

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 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.

## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination.

The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.



## Slaag met lof

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

## MMedVet Beesgeneeskunde en Produksie (Gedoseer) (08250055)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.



## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Farmakologie (Gedoseer) (08251132)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.



## Eksamens en slaagvereistes

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 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.

## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination.

The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Geslagskunde (Gedoseer) (08250032)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.



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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### **Addisionele vereistes**

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### **Eksamens en slaagvereistes**

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 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.

### **Navorsing**

#### **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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Kleindierchirurgie (Gedoseer) (08250024)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.

## Navorsing

### 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.

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## Slaag met lof

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

## MMedVet Kleindiergeneeskunde (Gedoseer) (08250057)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### **Addisionele vereistes**

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### **Eksamens en slaagvereistes**

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 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.

### **Navorsing**

#### **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.

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## Slaag met lof

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

## MMedVet Kleinveekuddegesondheid (Gedoseer) (08250242)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.



## Navorsing

### 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.

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### Slaag met lof

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

## MMedVet Kliniese Laboratoriumdiagnostiek (Gedoseer) (08250192)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.



## Eksamens en slaagvereistes

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 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.

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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.

## Navorsing

### Mini-dissertation

(Also consult the General Regulations)

A student must submit a mini-dissertation, which deals with the particular field of specialization.

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## Slaag met lof

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

## MMedVet Oftalmologie (Gedoseer) (08250252)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.



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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### **Addisionele vereistes**

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### **Eksamens en slaagvereistes**

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 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.

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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.

### **Navorsing**

#### **Mini-dissertation**

(Also consult the General Regulations)

A student must submit a mini-dissertation, which deals with the particular field of specialization.

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## Slaag met lof

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

## MMedVet Patologie (Gedoseer) (08250102)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.

## Navorsing

### 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.

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## Slaag met lof

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

## MMedVet Perdechirurgie (Gedoseer) (08251122)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### **Addisionele vereistes**

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### **Eksamens en slaagvereistes**

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 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.

### **Navorsing**

#### **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.

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## Slaag met lof

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

## MMedVet Perdegeneeskunde (Gedoseer) (08250056)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.

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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.



## Navorsing

### Mini-dissertation

(Also consult the General Regulations)

A student must submit a mini-dissertation, which deals with the particular field of specialization.

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## Slaag met lof

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

## MMedVet Pluimveesiektes (Gedoseer) (08250172)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.



## Eksamens en slaagvereistes

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 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.

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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.

## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination.

The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Proefdierkunde (Gedoseer) (08250212)

**Duur van studie**                      3 jaar

### Programinligting

Verwys asseblief na die Engelse weergawe vir meer inligting.

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### **Addisionele vereistes**

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### **Eksamens en slaagvereistes**

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 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.

### **Navorsing**

#### **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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Toksikologie (Gedoseer) (08251142)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.

## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MMedVet Varkkuddegesondheid (Gedoseer) (08250183)

**Duur van studie**                      3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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



## Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

## Eksamens en slaagvereistes

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 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.

## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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





## MMedVet Veterinêre Openbare Gesondheid (Gedoseer) (08250042)

**Duur van studie** 3 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### Addisionele vereistes

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.

### Eksamens en slaagvereistes

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 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.

### Navorsing

#### 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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

### **Slaag met lof**

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

## **MMedVet Wildsiektes (Gedoseer) (08250222)**

**Duur van studie**                      3 jaar

### **Programinligting**

Hierdie inligting is slegs in Engels beskikbaar.

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

*Hierdie inligting is slegs in Engels beskikbaar.*

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

### **Addisionele vereistes**

Candidates are required to be qualified veterinarians registered with the South African Veterinary Council or authorized by the South African Veterinary Council and to work 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.



## Eksamens en slaagvereistes

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 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.

## Navorsing

### 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 an external examiner, who may not necessarily attend the final examination. The average of the separate marks awarded by all the 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 head of department concerned, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

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

## MSc Herkouergesondheid (Gedoseer) (08251024)

**Duur van studie**                      2 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

This degree programme underlines the major health and production considerations in domesticated ruminants. It

caters for the needs of candidates who wish to extend their knowledge and skills that they have gained during their undergraduate training and aims to allow them to practise at a higher level.

The curriculum consists of compulsory core and elective theoretical modules (90 credits) as well as a mini-dissertation (90 credits).

Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.

### **Addisionele vereistes**

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

### **Eksamens en slaagvereistes**

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.

### **Navorsing**

Also consult the General Regulations.

Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

### **Slaag met lof**

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided



that a minimum pass mark of 60% in all the other modules have been obtained.

## **MSc Natuurlewegesondheid, -ekologie en -bestuur (08251019)**

**Duur van studie**                      2 jaar

### **Programinligting**

Hierdie inligting is slegs in Engels beskikbaar.

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

This degree programme provides training in knowledge and skills to manage wildlife health, production and conservation. This includes technical knowledge of production systems such as housing, handling, husbandry, disease prevention, understanding the economic principles in this economy, understanding ecology and ecosystem management, understanding of policies and legislation relevant to wildlife areas and for veterinarians veterinary specific knowledge such as chemical manipulation, disease recognition and treatment. It will also include softer skills of community considerations in wildlife economies, leadership, communication and strategy skills.

The curriculum consists of compulsory core and elective theoretical modules (90 credits) as well as a mini-dissertation (90 credits).

Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.

### **Addisionele vereistes**

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

### **Eksamens en slaagvereistes**

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.

### **Navorsing**

#### **Mini-dissertation**

Consult the General Regulations.



A research project of limited scope must be undertaken on an appropriate topic, depending on the field of interest of the student and the availability of a suitable supervisor, and written in the format of a mini-dissertation of 90 credits to fulfil the requirements of the MSc. The research topic is determined in consultation with the supervisor and Head of Department, and the research project must be approved according to faculty guidelines. The VRM 813 or equivalent module is a prerequisite for the mini-dissertation module.

Also consult the General Regulations.

Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided that a minimum pass mark of 60% in all the other modules have been obtained.

## MSc Tropiese dieregesondheid (08251020)

**Duur van studie**                      2 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This degree is offered as a combination of e-learning, face-to-face teaching and a compulsory collaborative induction/field-workshop. It has the following components:

- A two week compulsory induction/field-workshop
- Compulsory core modules
- Elective modules (Theory-based and Skills-based)
- Mini-dissertation

For the MSc Tropical Animal Health the mini-dissertation will include an oral examination conducted face to face or via video conference. The oral examining panel will include an examiner from each institute (not the supervisor). A mark will be given which will constitute 10% of the final mini-dissertation mark. The dissertation will also be examined by one internal and one external examiner as stipulated by the UP regulations; a mark will be given which will constitute 90% of the final mini-dissertation mark.

Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.



## Toelatingsvereistes

Subject to the stipulations of the applicable General Regulations, a BScHons, a four-year BScAgric, BVSc or equivalent degree or a relevant postgraduate diploma (on NQF level 8) is required.

Two years of professional experience might be required in certain cases.

### Additional Requirements

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may be required to pass a proficiency test in English (TOEFL).

### International requirements

International students have to ensure they are aware of all aspects pertaining to them to study at the University of Pretoria which can be found at [www.up.ac.za/isd](http://www.up.ac.za/isd) .

## Addisionele vereistes

According to the Bologna Bachelor-Master structure, a Masters degree is required to register at ITM. (Note: A four-year BSc degree in the South African context is equivalent to a Masters degree in the Bologna system). Two years of professional experience might be required in certain cases. It remains the prerogative of the head of department (UP) or course director (ITM) to require, in addition to the entrance requirements already mentioned, the successful completion of an admissions test before registration. A student may also be required to pass a proficiency test in English (TOEFL) at an acceptable level. The web-based/online nature of the modules requires basic computer skills in order to successfully participate in the degree programme.

Also consult the General Regulations. Students are required to confirm whether a module will be presented in any particular year.

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

## Eksamens en slaagvereistes

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.

## Navorsing

Also consult the General Regulations.



Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

### **Slaag met lof**

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided that a minimum pass mark of 60% in all the other modules have been obtained.

## **MSc Veeartsenykunde Anatomie en Fisiologie (08251014)**

**Duur van studie**                      1 jaar

### **Programinligting**

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Anatomy and Physiology.

Also consult the UP General Regulations.

The MSc degree in Veterinary Science is a research degree. The degree is conferred by virtue of the successful completion of a dissertation.

### **Addisionele vereistes**

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may be required to pass a proficiency test in English (TOEFL).

### **Navorsing**

The research topic is determined in consultation with the head of department, and the research project(s)/dissertation that follow, must be approved according to Faculty guidelines.

Before or on submission of the final copy of the dissertation, a student must submit a draft article for publication to the supervisor. (General Regulation 12(a) and (b)) The draft article should be based on the research that the student has conducted for the dissertation and be approved by the supervisor concerned. The supervisor should then have the opportunity to take the paper through all the processes of revision and resubmission as may be necessary and/or appropriate in order to achieve publication.

### **Slaag met lof**

The degree is conferred with distinction on a student who has obtained an average of at least 75% for the dissertation.





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## MSc Veeartsenykunde Geselskapsdier Kliniese Studies (08251015)

**Duur van studie** 1 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

Also consult the UP General Regulations.

The MSc degree in Veterinary Science is a research degree. The degree is conferred by virtue of the successful completion of a dissertation.

### Addisionele vereistes

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may be required to pass a proficiency test in English (TOEFL).

### Navorsing

The research topic is determined in consultation with the head of department, and the research project(s)/ dissertation that follow, must be approved according to Faculty guidelines.

Before or on submission of the final copy of the dissertation, a student must submit a draft article for publication to the supervisor. (General Regulation 12(a) and (b)) The draft article should be based on the research that the student has conducted for the dissertation and be approved by the supervisor concerned. The supervisor should then have the opportunity to take the paper through all the processes of revision and resubmission as may be necessary and/or appropriate in order to achieve publication.

### Slaag met lof

The degree is conferred with distinction on a student who has obtained an average of at least 75% for the dissertation.

## MSc Veeartsenykunde Parakliniese Wetenskappe (08251016)

**Duur van studie** 1 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

Also consult the UP General Regulations.

The MSc degree in Veterinary Science is a research degree. The degree is conferred by virtue of the successful completion of a dissertation.

### Addisionele vereistes

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may be required to pass a proficiency test in English (TOEFL).



## Navorsing

The research topic is determined in consultation with the head of department, and the research project(s)/dissertation that follow, must be approved according to Faculty guidelines.

Before or on submission of the final copy of the dissertation, a student must submit a draft article for publication to the supervisor. (General Regulation 12(a) and (b)) The draft article should be based on the research that the student has conducted for the dissertation and be approved by the supervisor concerned. The supervisor should then have the opportunity to take the paper through all the processes of revision and resubmission as may be necessary and/or appropriate in order to achieve publication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained an average of at least 75% for the dissertation.

## MSc Veeartsenykunde Produksiedierstudies (08251017)

**Duur van studie** 1 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

Also consult the UP General Regulations.

The MSc degree in Veterinary Science is a research degree. The degree is conferred by virtue of the successful completion of a dissertation.

### Addisionele vereistes

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may be required to pass a proficiency test in English (TOEFL).

## Navorsing

The research topic is determined in consultation with the head of department, and the research project(s)/dissertation that follow, must be approved according to Faculty guidelines.

Before or on submission of the final copy of the dissertation, a student must submit a draft article for publication to the supervisor. (General Regulation 12(a) and (b)) The draft article should be based on the research that the student has conducted for the dissertation and be approved by the supervisor concerned. The supervisor should then have the opportunity to take the paper through all the processes of revision and resubmission as may be necessary and/or appropriate in order to achieve publication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained an average of at least 75% for the dissertation.

## MSc Veeartsenykunde Tropiese Siektes (08250902)

**Duur van studie** 1 jaar



## Programinligting

\*Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Veterinary Tropical Diseases.

Also consult the UP General Regulations.

The MSc degree in Veterinary Science is a research degree. The degree is conferred by virtue of the successful completion of a dissertation.

## Addisionele vereistes

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may be required to pass a proficiency test in English (TOEFL).

## Navorsing

The research topic is determined in consultation with the head of department, and the research project(s)/dissertation that follow, must be approved according to Faculty guidelines.

Before or on submission of the final copy of the dissertation, a student must submit a draft article for publication to the supervisor. (General Regulation 12(a) and (b)) The draft article should be based on the research that the student has conducted for the dissertation and be approved by the supervisor concerned. The supervisor should then have the opportunity to take the paper through all the processes of revision and resubmission as may be necessary and/or appropriate in order to achieve publication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained an average of at least 75% for the dissertation.

## MSc Veterinêre Epidemiologie (Gedoseer) (08251022)

**Duur van studie**                      2 jaar

## Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

This degree programme provides training in the principles of and methods used in veterinary epidemiology, including training in selected more specialised tools used in the discipline. It caters for the needs of candidates who wish to be trained as epidemiologists, health officers or researchers involved in the investigation and control of diseases in animal populations and who would like to gain relevant knowledge and develop specific technical skills.

The curriculum consists of compulsory core and elective theoretical modules (90 credits) as well as a mini-dissertation (90 credits). It is primarily a web-based modular degree programme.

Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.



## Addisionele vereistes

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

## Eksamens en slaagvereistes

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.

## Navorsing

Also consult the General Regulations.

Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided that a minimum pass mark of 60% in all the other modules have been obtained.

## MSc Veterinêre Industriële Farmakologie (Gedoseer) (08251018)

**Duur van studie**                      2 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

The curriculum consists of compulsory core modules (90 credits) as well as a mini-dissertation (90 credits).



Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.

### **Addisionele vereistes**

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

### **Eksamens en slaagvereistes**

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.

### **Navorsing**

Also consult the General Regulations.

Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

### **Slaag met lof**

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided that a minimum pass mark of 60% in all the other modules have been obtained.

## **MSc Veterinêre Openbare Gesondheid (Gedoseer) (08251025)**

**Duur van studie**                      2 jaar



## Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

The curriculum consists of compulsory core modules (90 credits) as well as a mini-dissertation (90 credits).

Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.

## Addisionele vereistes

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

## Eksamens en slaagvereistes

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.

## Navorsing

Also consult the General Regulations.

Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided

that a minimum pass mark of 60% in all the other modules have been obtained.

## **MSc Veterinêre Voortplanting (Gedoseer) (08251023)**

**Duur van studie**                      2 jaar

### **Programinligting**

Hierdie inligting is slegs in Engels beskikbaar.

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

The first objective of the degree programme is to provide each participant a strong theoretical grounding in those aspects of veterinary reproduction that are specifically of interest to him or her, whilst also having the opportunity to gain a wider perspective from interacting with other students doing the same programme but with different foci of interest. The second objective, which is as important as the first, is to let the student go through the scientific research process, from the formulation of a research question to reporting the research in a mini-dissertation and an article of sufficient merit to submit to an approved scientific journal.

The degree programme will be suitable for any veterinarian with an interest in reproduction and an interest in doing research in the field of reproduction, irrespective of the species in which his or her interest lies. The degree programme may also be suitable for non-veterinarians with similar interests but focused on those aspects of reproduction that are not of a strict veterinary nature, yet maintaining a focus on animal health.

The curriculum consists of compulsory core and elective theoretical modules (90 credits) as well as a mini-dissertation (90 credits).

Also consult General Regulations.

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 according to the syllabi information provided in the list of modules in this publication.

### **Addisionele vereistes**

In cases where web-based/online modules are offered, basic computer skills is required in order to successfully participate in the degree programme.

In certain cases, it remains the prerogative of the head of department to require, in addition to the entrance requirements, the successful completion of an admissions test before registration. A student may also be required to pass of proficiency test in English (TOEFL).

### **Eksamens en slaagvereistes**

A minimum examination mark of 50% is required in each of the modules where a semester or year mark is not required. However, where a semester or year mark is required, the latter will contribute 50% to the final mark. A subminimum of 40% is required in the examination and a final mark of at least 50 % to pass the module. Instructions regarding requirements for semester, year or examination marks are published in the study guides, for the specific attention of candidates.

The MSc coursework degree is conferred by virtue of the successful completion of examinations on the coursework modules and a mini-dissertation.

If a student fails a module, he/she will have to repeat the module the following year. A module cannot be repeated more than twice.



## Navorsing

Also consult the General Regulations.

Candidates must submit a mini-dissertation which deals with an applied field of study. The topic is determined in consultation with the supervisor and the head of department, and must be approved according to Faculty guidelines. The mini-dissertation is based on an applied research project or related research projects (which need not be original), planned and reported by the candidate. (Assistance with statistical processing, applied specialised procedures, etc. is allowed, but must be acknowledged.)

An internal as well as external examiner will evaluate the mini-dissertation. The supervisor may not be an examiner.

The average mark of the separate marks awarded by all examiners constitutes the final mark for the mini-dissertation. The minimum pass mark is 50%. The Dean, on the recommendation of the head of the department, may permit a candidate who has failed, to submit an amended mini-dissertation for final adjudication.

## Slaag met lof

The degree is conferred with distinction on a student who has obtained at least 75% for the mini-dissertation and a weighted average of at least 75% in the other modules needed to comply with degree requirements, provided that a minimum pass mark of 60% in all the other modules have been obtained.





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## Doktoraal

### PhD Anatomie en Fisiologie (08261006)

**Duur van studie** 2 jaar

#### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Anatomy and Physiology.

The PhD degree is conferred by virtue of the successful completion of a thesis and an oral defence. Consult the General Regulations.

The research topic will be determined in consultation with the head of department, following which the research projects will be approved in terms of Faculty guidelines and the General Regulations. Each candidate must satisfy the head of department that he or she is working at an institution with the necessary facilities, to enable him or her to complete the work required for the degree satisfactorily.

#### Addisionele vereistes

A candidate with an MTech degree who has obtained at least 60% for the MTech dissertation may be considered for admission if approved by Senate. Since the PhD is clearly more demanding of a wider (philosophical) scientific background, the selection of candidates for the PhD degree must be stringent, and could include outside evaluation of the dissertation work by nominees selected by the head of department and approved by the Faculty Postgraduate Committee, evidence of peer-reviewed publication, appropriate work-related experience (i.e. in a research environment) and, where necessary, formal coursework to address shortcomings in the academic background.

It remains the prerogative of the head of department to require an admissions test prior to registration for the degree study, in addition to the regulatory requirements. A pass in a proficiency test in English (TOEFL) at an acceptable level may also be required, especially in the case of international candidates.

#### Navorsing

Before or on submission of the final copy of the thesis, a student must submit proof of acceptance of an article for publication issued by an accredited journal, to the Head: Student Administration. (UP Gen Regulation 51) The accepted article should be based on the research that the student has conducted for the thesis and should have been approved by the supervisor concerned. The supervisor shall be responsible for ensuring that the article has been taken through all the processes of revision and resubmission, as may be necessary. In exceptional cases the Dean may allow a student to graduate subject to UP Regulations.

Also consult the General Regulations with regard to the submission and technical editing of the thesis.

### PhD Geselskapsdier Kliniese Studies (08261007)

**Duur van studie** 2 jaar

#### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

The PhD degree is conferred by virtue of the successful completion of a thesis and an oral defence. Consult the General Regulations.

The research topic will be determined in consultation with the head of department, following which the research projects will be approved in terms of Faculty guidelines and the General Regulations. Each candidate must satisfy the head of department that he or she is working at an institution with the necessary facilities, to enable him or her to complete the work required for the degree satisfactorily.

### **Addisionele vereistes**

A candidate with an MTech degree who has obtained at least 60% for the MTech dissertation may be considered for admission if approved by Senate. Since the PhD is clearly more demanding of a wider (philosophical) scientific background, the selection of candidates for the PhD degree must be stringent, and could include outside evaluation of the dissertation work by nominees selected by the head of department and approved by the Faculty Postgraduate Committee, evidence of peer-reviewed publication, appropriate work-related experience (i.e. in a research environment) and, where necessary, formal coursework to address shortcomings in the academic background.

It remains the prerogative of the head of department to require an admissions test prior to registration for the degree study, in addition to the regulatory requirements. A pass in a proficiency test in English (TOEFL) at an acceptable level may also be required, especially in the case of international candidates.

### **Navorsing**

Before or on submission of the final copy of the thesis, a student must submit proof of acceptance of an article for publication issued by an accredited journal, to the Head: Student Administration. (UP Gen Regulation 51) The accepted article should be based on the research that the student has conducted for the thesis and should have been approved by the supervisor concerned. The supervisor shall be responsible for ensuring that the article has been taken through all the processes of revision and resubmission, as may be necessary. In exceptional cases the Dean may allow a student to graduate subject to UP Regulations.

Also consult the General Regulations with regard to the submission and technical editing of the thesis.

## **PhD Parakliniese Wetenskappe (08261008)**

**Duur van studie**                      2 jaar

### **Programinligting**

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Paraclinical Sciences.

The PhD degree is conferred by virtue of the successful completion of a thesis and an oral defence. Consult the General Regulations.

The research topic will be determined in consultation with the head of department, following which the research projects will be approved in terms of Faculty guidelines and the General Regulations. Each candidate must satisfy the head of department that he or she is working at an institution with the necessary facilities, to enable him or her to complete the work required for the degree satisfactorily.



## Addisionele vereistes

A candidate with an MTech degree who has obtained at least 60% for the MTech dissertation may be considered for admission if approved by Senate. Since the PhD is clearly more demanding of a wider (philosophical) scientific background, the selection of candidates for the PhD degree must be stringent, and could include outside evaluation of the dissertation work by nominees selected by the head of department and approved by the Faculty Postgraduate Committee, evidence of peer-reviewed publication, appropriate work-related experience (i.e. in a research environment) and, where necessary, formal coursework to address shortcomings in the academic background.

It remains the prerogative of the head of department to require an admissions test prior to registration for the degree study, in addition to the regulatory requirements. A pass in a proficiency test in English (TOEFL) at an acceptable level may also be required, especially in the case of international candidates.

## Navorsing

Before or on submission of the final copy of the thesis, a student must submit proof of acceptance of an article for publication issued by an accredited journal, to the Head: Student Administration. (UP Gen Regulation 51) The accepted article should be based on the research that the student has conducted for the thesis and should have been approved by the supervisor concerned. The supervisor shall be responsible for ensuring that the article has been taken through all the processes of revision and resubmission, as may be necessary. In exceptional cases the Dean may allow a student to graduate subject to UP Regulations.

Also consult the General Regulations with regard to the submission and technical editing of the thesis.

## PhD Produksiedierstudies (08261009)

**Duur van studie**                      2 jaar

## Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

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

The PhD degree is conferred by virtue of the successful completion of a thesis and an oral defence. Consult the General Regulations.

The research topic will be determined in consultation with the head of department, following which the research projects will be approved in terms of Faculty guidelines and the General Regulations. Each candidate must satisfy the head of department that he or she is working at an institution with the necessary facilities, to enable him or her to complete the work required for the degree satisfactorily.

## Addisionele vereistes

A candidate with an MTech degree who has obtained at least 60% for the MTech dissertation may be considered for admission if approved by Senate. Since the PhD is clearly more demanding of a wider (philosophical) scientific background, the selection of candidates for the PhD degree must be stringent, and could include outside evaluation of the dissertation work by nominees selected by the head of department and approved by the Faculty Postgraduate Committee, evidence of peer-reviewed publication, appropriate work-related experience (i.e. in a research environment) and, where necessary, formal coursework to address shortcomings in the academic background.

It remains the prerogative of the head of department to require an admissions test prior to registration for the degree study, in addition to the regulatory requirements. A pass in a proficiency test in English (TOEFL) at an acceptable level may also be required, especially in the case of international candidates.

## Navorsing

Before or on submission of the final copy of the thesis, a student must submit proof of acceptance of an article for publication issued by an accredited journal, to the Head: Student Administration. (UP Gen Regulation 51) The accepted article should be based on the research that the student has conducted for the thesis and should have been approved by the supervisor concerned. The supervisor shall be responsible for ensuring that the article has been taken through all the processes of revision and resubmission, as may be necessary. In exceptional cases the Dean may allow a student to graduate subject to UP Regulations.

Also consult the General Regulations with regard to the submission and technical editing of the thesis.

## PhD Veterinêre Tropiese Siektes (08260272)

**Duur van studie**                      2 jaar

### Programinligting

Hierdie inligting is slegs in Engels beskikbaar.

This programme is offered by the Department of Veterinary Tropical Diseases.

The PhD degree is conferred by virtue of the successful completion of a thesis and an oral defence. Consult the General Regulations.

The research topic will be determined in consultation with the head of department, following which the research projects will be approved in terms of Faculty guidelines and the General Regulations. Each candidate must satisfy the head of department that he or she is working at an institution with the necessary facilities, to enable him or her to complete the work required for the degree satisfactorily.

### Addisionele vereistes

A candidate with an MTech degree who has obtained at least 60% for the MTech dissertation may be considered for admission if approved by Senate. Since the PhD is clearly more demanding of a wider (philosophical) scientific background, the selection of candidates for the PhD degree must be stringent, and could include outside evaluation of the dissertation work by nominees selected by the head of department and approved by the Faculty Postgraduate Committee, evidence of peer-reviewed publication, appropriate work-related experience (i.e. in a research environment) and, where necessary, formal coursework to address shortcomings in the academic background.

It remains the prerogative of the head of department to require an admissions test prior to registration for the degree study, in addition to the regulatory requirements. A pass in a proficiency test in English (TOEFL) at an acceptable level may also be required, especially in the case of international candidates.

## Navorsing

Before or on submission of the final copy of the thesis, a student must submit proof of acceptance of an article for publication issued by an accredited journal, to the Head: Student Administration. (UP Gen Regulation 51) The accepted article should be based on the research that the student has conducted for the thesis and should have



been approved by the supervisor concerned. The supervisor shall be responsible for ensuring that the article has been taken through all the processes of revision and resubmission, as may be necessary. In exceptional cases the Dean may allow a student to graduate subject to UP Regulations.

Also consult the General Regulations with regard to the submission and technical editing of the thesis.



## Modules

### Disease surveillance and Laboratory diagnostics 803 (AHE 803)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	25.00
<b>Voorvereistes</b>	No prerequisites.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

#### Module-inhoud

\*Verwys na die Engelse weergawe van die Course Catalogue.

### High impact diseases 804 (AHE 804)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	20.00
<b>Voorvereistes</b>	No prerequisites.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

#### Module-inhoud

The objective of this module is to give the learner an overview of the concepts and principles of high impact contagious and vector-borne infectious and parasitic diseases of livestock and wildlife that have the potential of rapid spread (irrespective of international borders) , causing serious socio-economic and possibly public health consequences, impacting on international trade and requiring reporting to the OIE

### Zoonoses 805 (AHE 805)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	20.00
<b>Voorvereistes</b>	No prerequisites.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2



## Module-inhoud

This module deals with basic concepts and principles of zoonoses with a clear focus on wildlife/livestock/human interactions. Key drivers, contributing underlying factors as well as impacts of zoonoses will be investigated against the background of socio-economic determinants, the environment, animal husbandry practices; integrated intervention tools and strategies; integrated medical and veterinary data collection, cultural perceptions and advocacy and policy development.

### Emerging and re-emerging diseases 806 (AHE 806)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	15.00
<b>Voorvereistes</b>	No prerequisites.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

## Module-inhoud

This module deals with the concepts and principles of the drivers of emerging and re-emerging diseases including the presence of wildlife reservoirs, interactions at the livestock/wildlife/human interface, changing agricultural practices, climate change and collapsing veterinary services in some parts of the world

### Animal health management 807 (AHE 807)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	30.00
<b>Voorvereistes</b>	No prerequisites.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

## Module-inhoud

The objective of this module is to give the learner an overview of the general principles of animal health management including control/eradication of important infectious and parasitic diseases of livestock and wildlife with special reference to sub-Saharan Africa

### Marketing and trade 808 (AHE 808)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	30.00
<b>Voorvereistes</b>	No prerequisites.
<b>Onderrigtaal</b>	Module word in Engels aangebied



**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1

### Module-inhoud

This module deals with the concepts and principles of trade and marketing of animal (livestock and wildlife) commodities and products including economic principles; livestock supply chains, marketing channels and competitiveness; international standard-setting bodies; risks associated with commodities and products; meeting sanitary and phyto-sanitary (SPS) and technical barriers to trade (TBT) standards; biological safety and animal production (value) chains; traceability requirements; and auditing and certification.

## Policy, planning and legislation 809 (AHE 809)

**Kwalifikasie** Nagraads

**Modulekrediete** 20.00

**Voorvereistes** No prerequisites.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

### Module-inhoud

This module deals briefly with the concepts and principles of animal health policy formulation in the context of livestock/wildlife/human interactions; trade in animals and their products; food safety and zoonotic diseases; and the management alternatives for African transboundary (high impact) diseases.

## Communication and management 810 (AHE 810)

**Kwalifikasie** Nagraads

**Modulekrediete** 20.00

**Voorvereistes** No prerequisites.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1

### Module-inhoud

The primary objective of this module is to equip managers/decision-makers in particular with the necessary communication skills to address not only the public but also international audiences or panels. It will also deal with basic principles of project management (eg scope, stakeholders, time management, budgets and risk analysis) as well as basic principles of financial management (eg statements, financing decisions, capital budgeting, working capital management).





### Laboratory diagnostics 811 (AHE 811)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

#### Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

This module deals with the concepts and principles of field and laboratory diagnosis of infectious and parasitic diseases of livestock and wildlife including aspects of specimen collection and shipment, interpretation of laboratory results and basic laboratory management.

### Advanced one health 812 (AHE 812)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	12.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

#### Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

This module will provide students with an understanding of health in particular social-ecological systems, with a focus on understanding the relationship between ecosystem health and infectious diseases of animals and humans, in order to improve disease control policies, ecosystem sustainability, food security and rural development.

### Advanced One Health: Public Health 813 (AHE 813)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	12.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1



## Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

This module will focus on the human dimension of One Health. It introduces an approach to formulate a zoonotic disease control programme. After the module students should be able to explain the disease burden of a particular zoonosis, to develop an epidemiological model, to analyse its broader determinants, to appraise and prioritise possible interventions based on effectiveness, cost, feasibility and acceptability and to identify implementation challenges in a specific public health system's context.

## Animal health management: High impact and emerging diseases 814 (AHE 814)

**Kwalifikasie** Nagraads

**Modulekrediete** 12.00

**Programme** [MSc Tropiese dieregesondheid](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

This module deals with the concepts and principles of basic animal health management for livestock production and trade in livestock and livestock commodities. There will be a special focus on the management of infectious diseases that have a high impact in terms of international trade because of their detrimental effects on livestock production and health and/or human health. The module will also examine the drivers for emerging and re-emerging diseases with special reference to the livestock/wildlife/human interface.

## Advanced one health: policy 815 (AHE 815)

**Kwalifikasie** Nagraads

**Modulekrediete** 12.00

**Programme** [MSc Tropiese dieregesondheid](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1

## Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

Policy is generally defined as a plan of action on the part of a government, business or other organisation intended to influence decisions and actions in a particular direction. This module introduces the key principles in policy making in regard to animal health and trade in livestock or livestock products. It will consider the essentials of "effective" policy creation, the role of science and uncertainty in policy, policy analysis and the role of government versus the private sector in animal health.



## Surveillance and survey methodology 816 (AHE 816)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	12.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

This module deals with the concepts and principles of terrestrial animal (livestock and wildlife) health surveillance; including the design; implementation and evaluation of surveillance system; the data sources; tools and methods available to perform effective surveillance; and the evaluation and analysis of surveillance data. This module will also provide an introduction to geographic information systems (GIS) and provide basic skills on how to use GIS in epidemiological studies.

## Miniverhandeling 890 (AHE 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	80.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Verwys na die Engelse weergawe van die Course Catalogue.

## Miniverhandeling 895 (AHE 895)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

A mini-dissertation must be submitted on an appropriate topic depending on the field of interest of the student. A research project of limited scope must be undertaken and written in the format of a mini-dissertation to fulfil the requirements of the MSc. The research topic is determined in consultation with the supervisor and head of department and the research project must be approved according to Faculty guidelines. Before or together with the mini-dissertation, a student must submit at least one draft article for publication in an acknowledged journal to the Faculty Administration, failing which the degree will not be conferred. The draft article must be based on the research for the mini-dissertation and must be acceptable to the supervisor and meet subsidy requirements.

## Akademiese inligtingbestuur 101 (AIM 101)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00



BA Beeldende Kunste  
BA Geesteswetenskappe  
BA Inligtingsontwerp  
BA Oudiologie  
BA Sport- en Vryestudies Sport- en Rekreasiebestuur  
BA Sport- en Vryestudies Sportsielkunde  
BA Sport- en Vryestudies Sport en Vryetyd in die Samelewing  
BA Sport- en Vryestudies Sportafrigtingswetenskap  
BA Spraak-Taalpatologie  
BA Tale  
BA Verlengde program  
BA Visuele Studies  
BAdmin Internasionale Verhoudings  
BAdmin Openbare Bestuur  
BAdmin Openbare Bestuur Publieke Administrasie  
BChD  
BCom Agribesigheidsbestuur  
BCom Beleggingsbestuur  
BCom Bemerkingsbestuur  
BCom Ekon en Bestuurswetenskappe  
BCom Ekonometrie  
BCom Ekonomie  
BCom Entrepreneurskap  
BCom Finansiële Wetenskappe  
BCom Informatika Inligtingstelsels  
BCom Menslikehulpbronbestuur  
BCom Ondernemingsbestuur  
BCom Rekeningkundige Wetenskappe  
BCom Rekreasie- en Sportbestuur  
BCom Statistiek  
BCom Voorsieningskettingbestuur  
BDietetics  
BDiv  
BDram  
BEd Grondslagfase-onderwys  
BEd Intermediêrefase-onderwys  
BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BEd Vroeë Kinderontwikkeling- en Grondslagfase  
BIS Inligtingkunde  
BIS Multimedia  
BIS Uitgewerswese  
BIT Inligtingtegnologie  
BMus  
BNurs  
BOH Mondhigiëne  
BOccTher Arbeidsterapie  
BPhysio Fisioterapie  
BPolSci Internasionale Studies  
BPolSci Politieke Studies  
BRad Diagnostiek  
BSW Maatskaplike Werk  
BSc Bourekenkunde  
BSc Eiendomwese  
BSc Inligting- en Kennisstelsels  
BSc Konstruksiebestuur  
BSc Rekenaarwetenskap  
BSocSci Bedryfsosiologie en Arbeidstudies  
BSocSci Erfenis- en Kultuurtoerisme  
BSocSci Filosofie, Politiek en Ekonomie  
BSportSci  
BTRP Stads- en Streekbeplanning  
BTh  
HCert Sportwetenskap Opvoedkunde  
HCert Sportwetenskap Sportafrigting  
MBChB Geneeskunde

**Programme**



<b>Diensmodules</b>	Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie Fakulteit Opvoedkunde Fakulteit Ekonomiese en Bestuurswetenskappe Fakulteit Geesteswetenskappe Fakulteit Regsgeleerdheid Fakulteit Gesondheidswetenskappe Fakulteit Natuur- en Landbouwetenskappe Fakulteit Teologie Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademiese organisasie</b>	Inligtingkunde
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

Verkry, evalueer, verwerk, bestuur en bied inligtingsbronne vir akademiese doeleindes aan deur gebruik te maak van toepaslike tegnologie. Pas effektiewe soekstrategieë toe in verskillende tegnologiese omgewings. Demonstreer die etiese en regverdig gebruik van inligtingsbronne. Integreer 21ste-eeuse kommunikasie met die bestuur van akademiese inligting.

### Akademiese-inligtingsbestuur 102 (AIM 102)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00



BA Regte  
BCom Regte  
BConSc Gasvryheidsbestuur  
BConSc Kledingkleinhandelbestuur  
BConSc Voedselkleinhandelbestuur  
BSc Aktuariële en Finansiële Wiskunde  
BSc Argitektuur  
BSc Binne-argitektuur  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Fisika  
BSc Genetika  
BSc Geografie  
BSc Geoinformatika  
BSc Geologie  
BSc Ingenieurs- en Omgewingsgeologie  
BSc Kulinêre Wetenskap  
BSc Landskapargitektuur  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Meteorologie  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Toegepaste Wiskunde  
BSc Voedselwetenskap  
BSc Wiskunde  
BSc Wiskundige Statistiek  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde  
BVSc  
LLB Regsgeleerdheid

## Programme

## Diensmodules

Fakulteit Opvoedkunde  
Fakulteit Ekonomiese en Bestuurswetenskappe  
Fakulteit Geesteswetenskappe  
Fakulteit Regsgeleerdheid  
Fakulteit Gesondheidswetenskappe  
Fakulteit Natuur- en Landbouwetenskappe  
Fakulteit Teologie  
Fakulteit Veeartsenykunde



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<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademiese organisasie</b>	Inligtingkunde
<b>Aanbiedingstydperk</b>	Semester 2

### **Module-inhoud**

Verkry, evalueer, verwerk, bestuur en bied inligtingsbronne vir akademiese doeleindes aan deur gebruik te maak van toepaslike tegnologie. Pas effektiewe soekstrategieë toe in verskillende tegnologiese omgewings. Demonstreer die etiese en regverdige gebruik van inligtingsbronne. Integreer 21ste-eeuse kommunikasie met die bestuur van akademiese inligting.

## **Akademiese inligtingbestuur 121 (AIM 121)**

<b>Kwalifikasie</b>	Voorgaads
<b>Modulekrediete</b>	4.00





BA Geesteswetenskappe  
BA Regte  
BA Sport- en Vryestudies Sport- en Rekreasiebestuur  
BA Sport- en Vryestudies Sportsielkunde  
BA Sport- en Vryestudies Sport en Vryetyd in die Samelewing  
BA Sport- en Vryestudies Sportafrigtingswetenskap  
BA Tale  
BA Verlengde program  
BCMP Kliniese Mediese Praktijk  
BChD  
BCom Verlengde program  
BConSc Gasvryheidsbestuur  
BConSc Kledingkleinhandelbestuur  
BConSc Voedselkleinhandelbestuur  
BDietetics  
BDiv  
BDram  
BEd Grondslagfase-onderwys  
BEd Intermediêrefase-onderwys  
BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BEd Vroeë Kinderontwikkeling- en Grondslagfase  
BNurs  
BOH Mondhigiëne  
BOccTher Arbeidsterapie  
BPhysio Fisioterapie  
BPolSci Internasionale Studies  
BPolSci Politieke Studies  
BSW Maatskaplike Werk  
BSc Aktuariële en Finansiële Wiskunde  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Fisika  
BSc Genetika  
BSc Geografie  
BSc Geoinformatika  
BSc Geologie  
BSc Ingenieurs- en Omgewingsgeologie  
BSc Kulinêre Wetenskap  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Meteorologie  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Toegepaste Wiskunde  
BSc Verlengde program - Biologiese en Landbouwetenskappe  
BSc Verlengde program - Fisiese Wetenskappe  
BSc Verlengde program - Wiskundige Wetenskappe  
BSc Voedselwetenskap  
BSc Wiskunde  
BSc Wiskundige Statistiek  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde  
BSocSci Bedryfsosiologie en Arbeidstudies  
BSocSci Erfenis- en Kultuurtoerisme  
BSocSci Filosofie, Politiek en Ekonomie  
BSportSci  
BTh  
Diploma in Teologie  
HCert Sportwetenskap Opvoedkunde  
HCert Sportwetenskap Sportafrigting  
MBChB Geneeskunde

## Programme



<b>Diensmodules</b>	Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie Fakulteit Opvoedkunde Fakulteit Ekonomiese en Bestuurswetenskappe Fakulteit Geesteswetenskappe Fakulteit Regsgeleerdheid Fakulteit Gesondheidswetenskappe Fakulteit Natuur- en Landbouwetenskappe Fakulteit Teologie Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week, Mamelodi
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademieorganisasie</b>	Informatika
<b>Aanbiedingstydperk</b>	Semester 2

### Module-inhoud

Pas effektiewe soekstrategieë toe in verskillende tegnologiese omgewings. Demonstreer die etiese en regverdig gebruik van inligtingsbronne. Integreer 21ste-eeuse kommunikasie met die bestuur van akademiese inligting.

### Anatomie 104 (ANG 104)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	24.00
<b>Programme</b>	<a href="#">Universiteitsdiploma Veterinêre Verpleegkunde</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 demonstrasie/3 lesings per week, 5 demonstrasies/4 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademieorganisasie</b>	Anatomie en Fisiologie
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting slegs in Engels beskikbaar.

Basic anatomy and histology. Gross anatomy is based on dissection of the dog but includes applicable comparative anatomy of the horse and ruminant. Offered for DipVetNursing students.

### Anatomie 703 (ANG 703)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	32.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademieorganisasie</b>	Anatomie en Fisiologie
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

\*Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### Anatomie 705 (ANG 705)

**Kwalifikasie** Nagraads

**Modulekrediete** 32.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Anatomie en Fisiologie

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### Anatomie 774 (ANG 774)

**Kwalifikasie** Nagraads

**Modulekrediete** 30.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Anatomie en Fisiologie

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### Anaesthesiology 420 (ANV 420)

**Kwalifikasie** Voorgraads

**Modulekrediete** 8.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 1 praktika/semester, 3 lesings per week oor 23 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 2



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Prepare for safe general anaesthesia; premedication; trachea intubation; induction and maintenance of intravenous and inhalation anaesthesia; recovery from anaesthesia; local anaesthesia and pain management; anaesthetic complications.

## Anesthesiologie 771 (ANV 771)

**Kwalifikasie** Nagraads

**Modulekrediete** 30.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Anesthesiologie 800 (ANV 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Anesthesiologie \(Gedoseer\)](#)

**Kontaktyd** 5 besprekingsklasse per week, 0.5 seminaar per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical and practical and experiential training in the administration of local and general anaesthetics on a species-orientated basis. The module covers the structure and functioning of inhalation anaesthesia and monitor apparatus, the latest use of total intravenous anaesthetic techniques, positive pressure ventilation, peripheral muscle relaxants and the techniques and equipment employed for the immobilisation of game. Theoretical training includes the attendance of postgraduate seminars in Anaesthesiology at the School of Medicine.\*Hierdie module word slegs in Engels aangebied.

## Miniverhandeling: Anesthesiologie 890 (ANV 890)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00



**Programme** [MMedVet Anesthesiologie \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### **Toegepaste Serologie 811 (ASR 811)**

**Kwalifikasie** Nagraads

**Modulekrediete** 9.00

**Programme** [MSc Tropiese dieregesondheid](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

#### **Module-inhoud**

\* Hierdie inligting is slegs in Engels beskikbaar.

Skills training

The module will enable delegates to develop proficiency in procedures in veterinary immunology and serology, and to implement and standardize different serological techniques with special emphasis on ELISA and FA techniques.

### **Toegepaste veterinêre bakteriologie17 (AVB 817)**

**Kwalifikasie** Nagraads

**Modulekrediete** 9.00

**Programme** [MSc Tropiese dieregesondheid](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2



## Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

Skills training

This module provides an introduction to the basic concepts of veterinary bacteriology, from sampling and handling of specimens to the methods and tools used for isolation and identification of bacteria of veterinary significance in the laboratory.

## Toegepaste Veterinêre Helmintologie 811 (AVH 811)

**Kwalifikasie** Nagraads

**Modulekrediete** 9.00

**Programme** [MSc Tropiese dieregesondheid](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

Skills training

This module provides an introduction to the control of helminth infections of economic or public health importance in the tropics. The focus is on transmission of helminths of livestock and on sustainable methods to break the lifecycles. Practical study includes common parasitological techniques and interpretation of parasitological parameters.

## Algemene Verpleegkunde 111 (AVP 111)

**Kwalifikasie** Voorgraads

**Modulekrediete** 14.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 2 praktiese sessies per week, 5 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1



### Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

Professional ethics, human relations, responsibilities towards the employer, the patient and the clients. Disinfection and hospital hygiene. General safety aspects and preventative measures during observation, hospitalisation, basic nursing procedures and treatment of patients. Administration and record keeping. Reporting to the veterinarian using correct medical terminology. Arrangements regarding the transportation of patients.

### Toegepaste veteriniere virologie 811 (AVV 811)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veteriniere Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

### Module-inhoud

\* Hierdie inligting is slegs in Engels beskikbaar.

Skills training

Theoretical and practical study of the use of cell cultures and embryonated chicken eggs for the isolation and identification of viruses.

### Bovine herd health 801 (BHH 801)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Programme</b>	<a href="#">MSc Herkouergesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	A BVSc, a four year BSc in Agriculture (Animal Science), Microbiology, Zoology or an equivalent degree
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

The primary aim of this module is to provide the candidate with the skills and competence to promote the health and production efficiency of cattle operations (dairy, beef and feedlots). The module will enable students to integrate and apply knowledge so that health and production can be monitored and problems can be identified and solved on a herd basis. The module content will be based on advanced theoretical training in bovine herd health with emphasis on principles of herd health and production programmes, animal health economics, monitoring dairy herd health and production (applied nutrition, fertility, udder health, foot health, general cow health, calves and replacement heifers), monitoring the health and performance of beef cow calf enterprises (resource base, forage and beef cow-calf stock flow, applied nutrition, fertility, young stock, integrated resource, health and management program), and beef feedlots

## Bovine health and production 510 (BHP 510)

**Kwalifikasie** Voorgraads

**Modulekrediete** 25.00

**Programme** BVSc

**Kontaktyd** 3 praktiese sessies per week, 9 lesings per week vir 4 dae

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The pathophysiology, diagnosis, prognosis, treatment and control of diseases in cattle. Aspects of clinical veterinary science, including components of clinical diagnosis, therapeutics, medicine, surgery and introductory herd health.

## Toegepaste beesgesondheid en- produksie 650 (BHP 650)

**Kwalifikasie** Voorgraads

**Modulekrediete** 43.00

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 7.9 praktiese sessies per week, Ja

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Practical tuition under supervision in the diagnosis, treatment and control of diseases of cattle. Includes tuition during after-hours, weekends and vacations.





## Bovine health and production 800 (BHP 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	270.00
<b>Programme</b>	<a href="#">MMedVet Beesgeneeskunde en Produksie (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

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.

## Miniverhandeling: Beesgesondheid en- produksie 890 (BHP 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Beesgeneeskunde en Produksie (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

Miniverhandeling



## Biometrie 120 (BME 120)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	16.00
<b>Programme</b>	<p>BSc Biochemie BSc Biologiese Wetenskappe BSc Biotegnologie BSc Chemie BSc Dierkunde BSc Ekologie BSc Entomologie BSc Genetika BSc Inligting- en Kennisstelsels BSc Kulinêre Wetenskap BSc Mediese Wetenskappe BSc Mensfisiologie BSc Mensfisiologie, Genetika en Sielkunde BSc Mensgenetika BSc Mikrobiologie BSc Omgewingswetenskappe BSc Plantkunde BSc Verlengde program - Biologiese en Landbouwetenskappe BSc Verlengde program - Fisiese Wetenskappe BSc Voeding BSc Voedselwetenskap BScAgric Plantpatologie BScAgric Toegepaste Plant- en Grondwetenskappe BScAgric Vee- en Weidingkunde BScAgric Veekunde BVSc</p>
<b>Diensmodules</b>	<p>Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie Fakulteit Natuur- en Landbouwetenskappe Fakulteit Veeartsenykunde</p>
<b>Voorvereistes</b>	Minstens 4 (50-59%) in Wiskunde in die graad 12-eksamen, of minstens 50% in beide Statistiek 113, 123
<b>Kontaktyd</b>	4 lesings per week, 1 praktiese sessie per week
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademiese organisasie</b>	Statistiek
<b>Aanbiedingstydperk</b>	Semester 2



## Module-inhoud

Enkelvoudige statistiese analise: Data-insameling en -verwerking, Steekproewe, tabellering, grafiese voorstelling, beskrywing van lokaliteit, spreiding en skeefheid. Inleidende waarskynlikheid en distribusieleer. Steekproefverdelings en die sentrale limietstelling. Statistiese inferensie: Basiese beginsels, beraming en toetsing in die een- en tweesteekproefgevalle (parametries en nie-parametries). Inleiding tot eksperimentele ontwerp. Een-en tweerigting ontwerpe, ewekansige blokontwerp. Meervoudige statistiese analise: Tweeveranderlike datastelle, krommepassing (lineêr en nie-lineêr), groeikrommes. Statistiese inferensie in die enkelvoudige regressieverband. Kategoriele data-analise: Pasgehaltetoetsing en gebeurlikheidstabelle. Meervoudige regressie en korrelasie: Passing en toetsing van modelle. Residu-ontleding. Rekenaarvaardigheid: Gebruik van rekenaarpakette by dataverwerking en verslagskrywing.

## Ekonomiese evaluasie van siektebeheer intervensies 872 (CDS 872)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	5.00
<b>Programme</b>	<a href="#">MPH Openbare Gesondheid</a>
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	40 besprekingsklasse per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Skool vir GSOH
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

Studente leer wanneer en hoe om ekonomiese ontleding uit te voer.

## Chirurgie: Kleindiere 703 (CHV 703)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	33.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical study of small animal soft tissue surgery. The module extends over a period of one year. Approximately 15 lectures/group discussions are presented every third week on Wednesday mornings and a computer based multi choice test is conducted with the completion each of each section. Training is done mainly by means of PPT presentations by the lecturer or students of specific surgical conditions and the presentation of two case reports. The course starts with disinfecting agents, detergents, aseptic technique and characteristics of different suture materials, followed by surgical oncology of all the different neoplastic conditions and reconstruction skin surgery, surgery of the Respiratory system, Gastro-intestinal surgery, and surgery of the kidneys and urology system, as well as urogenital surgery. The module is normally only presented in alternate years.

## Chirurgie: Perde 704 (CHV 704)

**Kwalifikasie** Nagraads

**Modulekrediete** 33.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Chirurgie 705 (CHV 705)

**Kwalifikasie** Nagraads

**Modulekrediete** 33.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Applicable aspects of small animal orthopaedic surgery (fractures and joints), spinal surgery and oromaxillo-facial surgery. The module extends over a period of one year. Approximately 15 lectures/group discussion are presented every third week on Wednesday mornings and a computer based of PPT presentations by the lecturer or students of each surgical conditions and the presentation of two case reports. The module is normally only presented in alternate years.



## Chirurgie 800 (CHV 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	400.00
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical, practical and experiential module in equine surgery.

## Chirurgie: Kleindiere 803 (CHV 803)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	270.00
<b>Programme</b>	<a href="#">MMedVet Kleindierchirurgie (Gedoseer)</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical, practical and experiential module in small animal surgery.

## Chirurgie 804 (CHV 804)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	270.00
<b>Programme</b>	<a href="#">MMedVet Perdechirurgie (Gedoseer)</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical, practical and experiential module in equine surgery.

## Miniverhandeling: Perdechirurgie 890 (CHV 890)

<b>Kwalifikasie</b>	Nagraads
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<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Perdechirurgie (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Miniverhandeling: Kleindierchirurgie 892 (CHV 892)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Kleindierchirurgie (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Miniverhandeling: Perdechirurgie 894 (CHV 894)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Voorvereistes</b>	VRM 894
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Inligtinggeletterdheid 121 (CIL 121)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	4.00
<b>Diensmodules</b>	Fakulteit Opvoedkunde Fakulteit Regsgeleerdheid Fakulteit Gesondheidswetenskappe Fakulteit Natuur- en Landbouwetenskappe Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans



**Akademiese organisasie** Skool vir Inligtingtegnologie

**Aanbiedingstydperk** Semester 1 en Semester 2

### Module-inhoud

\*Geen vrystellingseksamen nie Hoekom is rekenaars vir jou belangrik? Netwerke. Inligtingsbronne (insluitend die Departement Biblioteekdienste). Kwaliteit van inligting. Etiek, plagiaat en kopiereg. Internetsoektogte. Inligtingsoekstrategieë. Plek en toegang. Spesifieke soekomgewings (insluitend alle elektroniese databasisse en joernale van die Departement Biblioteekdienste toepaslik vir die betrokke fakulteit). Verwysingstegnieke. Gebruik, sintese en evaluering van inligting. Nuwe neigings. Inhoud spesifiek tot die Universiteit van Pretoria.

## Clinical pathology 410 (CLP 410)

**Kwalifikasie** Voorgraads

**Modulekrediete** 7.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 3 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Diagnosis and treatment of anaemia, polycythemia, leukocyte kinetics, lymphohaemopoietic neoplasia; diagnosis and treatment of haemostatic abnormalities; diagnostic use of serum biochemistry, faecal and blood tests, urinalysis; cytology.

## Algemene chemie 117 (CMY 117)

**Kwalifikasie** Voorgraads

**Modulekrediete** 16.00



## Programme

BDietetics  
BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Fisika  
BSc Genetika  
BSc Geografie  
BSc Geologie  
BSc Ingenieurs- en Omgewingsgeologie  
BSc Kulinêre Wetenskap  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Meteorologie  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Rekenaarwetenskap  
BSc Voeding  
BSc Voedselwetenskap  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde

### Diensmodules

Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie  
Fakulteit Opvoedkunde  
Fakulteit Gesondheidswetenskappe  
Fakulteit Veeartsenykunde

### Voorvereistes

Verwys na Regulasie 1.2

### Kontaktyd

4 lesings per week, 1 praktiese sessie per week

### Onderrigtaal

Aparte klasse vir Engels en Afrikaans

### Akademiese organisasie

Chemie

### Aanbiedingstydperk

Semester 1





## Module-inhoud

Algemene inleiding tot anorganiese en analitiese chemie. Atoomstruktuur en periodisiteit. Molekulêre struktuur en binding, gebruik van die VSEPA model. Nomenklatuur van anorganiese ione en verbindings. Klassifikasie van reaksies: neerslag, suur-basis, redoks en gasvormende reaksies. Beginsels van reaktiwiteit: energie en chemiese reaksies. Molbegrip en stoïgiometriese berekeninge van chemiese reaksies. Fisiese gedrag van gasse, vloeistowwe en oplossings en die rol van intermolekulêre kragte. Tempo van reaksies: Inleiding tot chemiese kinetika.

## Algemene chemie 127 (CMY 127)

**Kwalifikasie** Voorgraads

**Modulekrediete** 16.00

BDietetics  
BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Fisika  
BSc Genetika  
BSc Geografie  
BSc Geologie  
BSc Ingenieurs- en Omgewingsgeologie  
BSc Kulinêre Wetenskap  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Meteorologie  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Rekenaarwetenskap  
BSc Verlengde program - Biologiese en Landbouwetenskappe  
BSc Verlengde program - Fisiese Wetenskappe  
BSc Voeding  
BSc Voedselwetenskap  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde

## Programme

## Diensmodules

Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie  
Fakulteit Opvoedkunde  
Fakulteit Gesondheidswetenskappe  
Fakulteit Veeartsenykunde



**Voorvereistes** Natuur- en Landbouwetenskappe studente: CMY 117 GS of CMY 154 GS  
Gesondheidswetenskappe studente: geen

**Kontaktyd** 1 praktiese sessie per week, 4 lesings per week

**Onderrigtaal** Aparte klasse vir Engels en Afrikaans

**Akademiese organisasie** Chemie

**Aanbiedingstydperk** Semester 2

### Module-inhoud

Algemene fisies-analitiese chemie: Chemiese ewewig, sure en basisse, buffers, oplosbaarheidsewewig, entropie en vrye energie, elektrochemie. Organiese chemie: struktuur (binding), nomenklatuur, isomerie, inleidende stereochemie, inleiding tot chemiese reaksies en chemiese eienskappe van organiese verbindings en biologiese verbindings, nl. koolhidrate en aminosure.

## Chirurgiese Verpleegk 200 (CVP 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 38.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** Sem1:1 Kliniese week van 40 ure per semester, Semester 1: 6 lesings per week oor 14 weke, Sem2: 5 Kliniese week van 40 ure per semester

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The classification, complications and treatment of inflammation, wounds, bleeding, fractures and dislocation. Healing of wounds. Healing of different types of tissue. Surgical terminology. Examining a traumatised patient. Ocular emergencies.

General surgical conditions and procedures of the thorax, abdomen, head and neck, skin, vertebral column and motor system. Nutrition of surgical patients. Surgical nursing of companion and production animals. Bandaging large and small animals. Dental hygiene. Physiotherapy. Pre-operative and post-operative nursing. Lectures offered by various departments.

## Diagnostic imaging 400 (DIM 400)

**Kwalifikasie** Voorgraads

**Modulekrediete** 17.00

**Programme** [BVSc](#)

**Voorvereistes** Geen voorvereistes.



**Kontaktyd** 9 praktika per jaar, 2 lesings per week oor 14 weke, 3 lesings per week oor 14 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Principles of diagnostic imaging; diagnostic imaging of the abdomen, thorax, head, appendicular system and the vertebral column in dogs and cats; diagnostic imaging of the appendicular system in horses and production animals.

## Radiologie: Honde en katte 781 (DIM 781)

**Kwalifikasie** Nagraads

**Modulekrediete** 39.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Verwys na die Engelse weergawe van die Course Catalogue.

## Ultraklank: Honde en Katte 782 (DIM 782)

**Kwalifikasie** Nagraads

**Modulekrediete** 30.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

Verwys aseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Radiologie: Perde 783 (DIM 783)

**Kwalifikasie** Nagraads

**Modulekrediete** 33.00



<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 besprekingsklas per week, 1 lesing per week, 1 seminar per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

#### Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### Ultraklank: Perde 784 (DIM 784)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	33.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 praktiese sessie per week, 1 seminar per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

#### Module-inhoud

\*Verwys na die Engelse weergawe van die Course Catalogue.

### Beelddiagnostiek 870 (DIM 870)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	270.00
<b>Programme</b>	<a href="#">MMedVet Beelddiagnostiek</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced study of small and large animal radiography, radiology, ultrasonography, scintigraphy, magnetic resonance imaging and computed tomography: with a view to specialisation. Literature study and a minimum of 90 weeks practical work are also required.

### Miniverhandeling: Diagnostiese beelde 890 (DIM 890)

<b>Kwalifikasie</b>	Nagraads
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<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Beelddiagnostiek</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Diagnostic pathology 400 (DPT 400)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	16.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week, 1 praktiese sessie per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Planning and conducting necropsies; diagnostic approach to the fatal conditions and diseases of dogs, cats, pigs, poultry and horses.

### Diagnostic pathology 510 (DPT 510)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Kontaktyd</b>	1 praktiese sessies per week, 2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Semester 1

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Planning and conducting necropsies; diagnostic approach to fatal conditions and diseases of small stock and cattle.



## Toegepaste perde kliniese studies 650 (ECS 650)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	42.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	9.9 praktiese sessies per week, Ja
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Practical instruction on module matter dealt with in Equine clinical studies 300.

## Basis van omgewingsgesondheid 870 (EHM 870)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	5.00
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 praktiese sessies per week, 1 ander kontak per week, 1 besprekingsklas per week, 1 lesing per week, 1 seminar per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Skool vir GSOH
<b>Aanbiedingstydperk</b>	Jaar

## Gesondheidsrisikobepaling 871 (EHM 871)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	10.00
<b>Programme</b>	<a href="#">MPH Openbare Gesondheid</a> <a href="#">MSc Epidemiologie</a> <a href="#">MSc Kliniese Epidemiologie</a> <a href="#">MSc Openbare Gesondheid</a>
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	EOH 871
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Skool vir GSOH



**Aanbiedingstydperk** Jaar

### Akademiese geletterdheid (1) 110 (EOT 110)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00

**Diensmodules**

Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie  
Fakulteit Ekonomiese en Bestuurswetenskappe  
Fakulteit Gesondheidswetenskappe  
Fakulteit Natuur- en Landbouwetenskappe  
Fakulteit Teologie  
Fakulteit Veeartsenykunde

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 1 ander kontak per week, 2 lesings per week

**Onderrigtaal** Aparte klasse vir Engels en Afrikaans

**Akademiese organisasie** Eenheid vir Akademiese Gelett

**Aanbiedingstydperk** Semester 1

#### Module-inhoud

Hierdie module bied 'n inleiding tot die ontwikkeling van akademiese geletterdheid, met inagneming van verskillende leerstyle en -strategieë. Aanvanklik word die kenmerke van akademiese taal oorsigtelik behandel, en daar word spesifiek op luister- en praatvaardigheid gekonsentreer. Daar word verder op die insameling en verwerking van inligting vir akademiese opdragte gefokus. Klem word ook op die uitbreiding van akademiese woordeskat gelê. Daar word op elementêre vlak met akademiese skryfwerk begin.

### Akademiese geletterdheid (2) 120 (EOT 120)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00

**Diensmodules**

Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie  
Fakulteit Ekonomiese en Bestuurswetenskappe  
Fakulteit Gesondheidswetenskappe  
Fakulteit Natuur- en Landbouwetenskappe  
Fakulteit Teologie  
Fakulteit Veeartsenykunde

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 2 lesings per week, 1 ander kontak per week

**Onderrigtaal** Aparte klasse vir Engels en Afrikaans

**Akademiese organisasie** Eenheid vir Akademiese Gelett

**Aanbiedingstydperk** Semester 2



### Module-inhoud

Die fokus op die insameling en verwerking van akademiese inligting word uitgebrei om ook deurlopende oefening in akademiese leesvaardigheid in te sluit. Studente se akademiese woordeskat word in spesifieke vakgebiede uitgebou. Akademiese luister-, lees- en skryfvaardigheid word in hierdie laaste module geïntegreer. Die hoofokus val op die generering van akademiese inligting by wyse van argumentatiewe skryfwerk; dit wil sê daar word gefokus op die voortbrenging van 'n akademiese diskoers wat rasioneel, samehangend, duidelik en presies is.

## Veterinary epidemiology 510 (EPL 510)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	10.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Kontaktyd</b>	3 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Topics presented within an evidence-based medicine and clinical decision making framework: basic concepts of epidemiology and disease transmission, measures of disease in populations, precision and bias, causal inference, measures of association, epidemiological study design, sampling methods, disease outbreak investigation, principles of diagnostic tests.

## Basic epidemiology 802 (EPL 802)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	12.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie verpligte

\*Hierdie inligting is slegs in Engels beskikbaar.

A web-based introductory module in epidemiology that includes general concepts, quantification of disease prevalence and incidence, interpretation of diagnostic test results, basic sampling designs and basic statistics.





## Advanced epidemiology 803 (EPL 803)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	12.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Voorvereistes</b>	EPL 802
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module builds on the subjects dealt with in the 'Basic Epidemiology' module. It includes advanced statistical models (generalised linear model, mixed models, survival analysis) and introduces quantitative risk assessment.

## Toegepaste epidemiologie 804 (EPL 804)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Voorvereistes</b>	EPL 803
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Skills training

This module is a hands-on theoretical and practical introduction to epidemiological modelling, including simulation modelling. It assumes successful completion of the basic and applied epidemiology modules.

## Epidemiologie 851 (EPL 851)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	10.00
<b>Programme</b>	<a href="#">MSc Veterinêre Epidemiologie (Gedoseer)</a> <a href="#">MSc Veterinêre Openbare Gesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 ander kontak per week, 1 webgebaseerde periode per week
<b>Onderrigtaal</b>	Module word in Engels aangebied



**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

An introductory module in veterinary epidemiology designed to provide a sound foundation in epidemiology that can be applied in practice and upon which further studies can be built. The module covers aspects of population medicine, disease outbreak investigation, clinical epidemiology, experimental studies, observational studies, surveys, basic analytical tools and diagnostic tests.

## Biostatistics in veterinary science 852 (EPL 852)

**Kwalifikasie** Nagraads

**Modulekrediete** 20.00

**Programme** [MSc Veterinêre Epidemiologie \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 2 seminare per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module provides the student with a foundation in basic statistical methods commonly used by postgraduate students in veterinary science. It covers statistical building blocks, confidence intervals, hypothesis testing, chi-square procedures, regression and correlation, paired and pooled t-tests, analysis of variance and non-parametric tests.

## Analytical veterinary epidemiology 853 (EPL 853)

**Kwalifikasie** Nagraads

**Modulekrediete** 20.00

**Programme** [MSc Veterinêre Epidemiologie \(Gedoseer\)](#)

**Voorvereistes** EPL851 en EPL852

**Kontaktyd** 2 seminare per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 2



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module provides the student with further knowledge and skills in veterinary epidemiology and an introduction to certain more advanced statistical methods commonly used in veterinary science, including adjustment for confounding, multiple linear regression, logistic regression and survival analysis, and will provide the basis for further studies and research involving these techniques

## Animal health information management 855 (EPL 855)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	5.00
<b>Programme</b>	MSc Veterinêre Epidemiologie (Gedoseer)
<b>Voorvereistes</b>	No prerequisites.
<b>Kontaktyd</b>	1 webgebaseerde periode per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1 of Semester 2

## Module-inhoud

This module covers the principles and practice of the collection, entry, storage, management and processing of animal health-related data. It provides the knowledge necessary to be able to effectively work with data in veterinary epidemiology and animal health research.

## Scientific reasoning in veterinary epidemiology 856 (EPL 856)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	5.00
<b>Programme</b>	MSc Veterinêre Epidemiologie (Gedoseer)
<b>Voorvereistes</b>	No prerequisites.
<b>Kontaktyd</b>	1 webgebaseerde periode per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

This module covers, using practical examples, the processes of scientific reasoning and critical thinking applicable to veterinary epidemiology, and equips the student to use clear lines of reasoning in developing and testing hypotheses and making inferences, and to be able to critically evaluate information presented in the literature.



## Advanced topics in veterinary epidemiology 859 (EPL 859)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	15.00
<b>Programme</b>	<a href="#">MSc Veterinêre Epidemiologie (Gedoseer)</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

This module consists of assignments, seminars, discussions, required reading and/or attendance of short courses on various specialised or advanced topics in veterinary epidemiology of interest to the student and relevant to the chosen research project. Activities are decided upon by the student, in consultation with and subject to approval by the supervisor

## Mini-dissertation: Veterinary epidemiology 890 (EPL 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MSc Veterinêre Epidemiologie (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

Mini-dissertation

## Equine medicine and surgery 410 (EQM 410)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	14.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 praktika/semester, 7 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Lameness: disorders of the front and hind limb; disorders of the spine; fractures and emergencies; muscular disorders; insurance examinations; identification, diagnosis and treatment of important cardiovascular, gastrointestinal, nervous system, urinary, skin, multi-systemic and respiratory disorders/diseases; hydration status and correction of fluid imbalances; the equine neonate: clinical examination, diagnostic tests and selected disorders.

## Farmakologie 120 (FAK 120)

**Kwalifikasie** Voorgraads

**Modulekrediete** 7.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 4 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Fundamental principles of Pharmacology required by veterinary nurses. The basic study of groups of functional, systemic and chemotherapeutic drugs used in domestic animals. Regulatory requirements, control and use of veterinary medicines by veterinary nurses.

## Farmakologie 800 (FAK 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Farmakologie \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical, practical and experiential training in clinical and industrial pharmacology.



## Gevorderde studies van fundamentele aspekte van farmakologie 876 (FAK 876)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Programme</b>	MSc Veterinêre Industriële Farmakologie (Gedoseer)
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Scope and historical development of veterinary pharmacology.

Veterinary pharmaceuticals and formulation theory.

Pharmacokinetic theory, pharmacokinetic analysis and modelling.

Bioequivalence theory and evaluation.

Physicochemical and molecular basis of drug action.

Dose response and calculation of dose response parameters.

Pharmacological modulation of organ and body functions.

Molecular basis of action and pharmacological effects of chemotherapeutic agents.

Adverse drug reactions, interactions and pharmacovigilance.

Comparative species pharmacology, pharmacogenomics and pharmacogenetics.

Background on complementary medicines.

Fundamentals of pharmacological research.

## Kliniese farmakologie 877 (FAK 877)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	30.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 lesing per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced veterinary pharmacology including pharmaceuticals, pharmacokinetics, pharmacotherapeutics and pharmacodynamics. Clinical pharmacology relevant to selected domesticated, exotic and wildlife species in the area of specialization (capita selecta), including species-specific therapeutic objectives and rational pharmacotherapy; specialised drug therapy pertaining to relevant species and/or organ systems; drug use control and adverse drug reactions.

## Miniverhandeling: Farmakologie 895 (FAK 895)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Farmakologie (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

## Fisiologie 104 (FSL 104)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	22.00
<b>Programme</b>	<a href="#">Universiteitsdiploma Veterinêre Verpleegkunde</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	Semester 1: 8 lesings per week oor 14 weke, Semester 2: 3 lesings per week oor 14 weke
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Anatomie en Fisiologie
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

An elementary module in the physiology and physiological chemistry of the most important physical systems of domestic animals.

## Kleindiergeneeskunde 702 (GEN 702)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	33.00



<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

#### **Module-inhoud**

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### **Perdegeneeskunde 703 (GEN 703)**

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

#### **Module-inhoud**

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### **Kleindiergeneeskunde 707 (GEN 707)**

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	37.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

#### **Module-inhoud**

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### **Kleindier gedragsgeneeskunde 709 (GEN 709)**

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	30.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud





**Aanbiedingstydperk** Jaar

### Module-inhoud

Verwys na die Engelse weergawe van die Course Catalogue.

## Perdegeneeskunde 802 (GEN 802)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Perdegeneeskunde \(Gedoseer\)](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced training in organ, metabolic and deficiency diseases of equines. Pathophysiology, diagnostic and treatment methods are emphasised.

## Kleindiergeneeskunde 803 (GEN 803)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Kleindiergeneeskunde \(Gedoseer\)](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie module word slegs in Engels aangebied.

Advanced theoretical and practical training in organ, metabolic and deficiency diseases of small animals. Pathophysiology, diagnostic and treatment methods are emphasised.

## Miniverhandeling: Perdegeneeskunde 892 (GEN 892)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Perdegeneeskunde \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied



**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Miniverhandeling: Kleindiergeneeskunde 893 (GEN 893)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Kleindiergeneeskunde \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### General surgery 320 (GNS 320)

**Kwalifikasie** Voorgraads

**Modulekrediete** 7.00

**Programme** [BVSc](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 2 praktiese sessies per semester, 3 lesings per week oor 10 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 2

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

General principles of surgery, applicable to all species. Principles of surgical asepsis, disinfection and sterilisation, suture materials and patterns, surgical haemostasis, traumatology, wound healing, wound infection, wound management, small animal bandages and surgical instrumentation.

### Algemene en Orgaanpatologie 300 (GOP 300)

**Kwalifikasie** Voorgraads

**Modulekrediete** 30.00

**Programme** [BVSc](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 7 lesings per week

**Onderrigtaal** Module word in Engels aangebied



**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Definitions and common causes of basic lesions in tissues and organs. Pathogenesis of basic lesions including, reversible cell injury, pigmentations, necrosis, apoptosis, circulatory disturbances, inflammation, immunopathology, growth disturbances and neoplasia. Organ pathology (with the emphasis on macroscopic changes and pathogenesis) of the various organ systems of the body.

## Geslagskunde 800 (GSK 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Geslagskunde \(Gedoseer\)](#)

**Kontaktyd** 6 praktiese sessies per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module offers broad-based, in-depth experiential training that may be theoretical and practical on animal reproduction and is a requirement for the MMedVet (Reproduction) degree. Reproduction, as taught during the undergraduate veterinary curriculum and modules GSK 801 to GSK 804 serves as basis for advanced training in obstetrics, gynaecology, andrology and assisted reproduction of animals.

## Reproductive physiology 801 (GSK 801)

**Kwalifikasie** Nagraads

**Modulekrediete** 15.00

**Programme** [MSc Veterinêre Voortplanting \(Gedoseer\)](#)

**Voorvereistes** No prerequisites.

**Kontaktyd** 30 kontakure per semester

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will provide advanced theoretical study in and critical appraisal of the principles, concepts, current application and potential developments in selected aspects of reproductive physiology of animals with a strong focus on the common domestic species as specified in modules GSK 806 to GSK 809.

### Bovine reproduction 806 (GSK 806)

**Kwalifikasie** Nagraads

**Modulekrediete** 25.00

**Programme** [MSc Veterinêre Voortplanting \(Gedoseer\)](#)

**Voorvereistes** GSK 801

**Kontaktyd** 50 kontakure

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will provide advanced theoretical study in the reproduction of cattle, including the physiology and endocrinology of reproduction; monitoring, aspects of assisting and controlling their reproduction; managing diseases and malfunctions of reproduction and the evaluation of bulls and cows for breeding soundness.

### Small stock reproduction 807 (GSK 807)

**Kwalifikasie** Nagraads

**Modulekrediete** 25.00

**Programme** [MSc Veterinêre Voortplanting \(Gedoseer\)](#)

**Voorvereistes** GSK 801

**Kontaktyd** 50 kontakure

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will provide advanced theoretical study in the reproduction of sheep and goats, including the physiology and endocrinology of reproduction; monitoring, aspects of assisting and controlling their reproduction; managing diseases and malfunctions of reproduction and the evaluation of males, bucks, ewes and nanny goats for breeding soundness.



## Equine reproduction 808 (GSK 808)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	25.00
<b>Programme</b>	<a href="#">MSc Veterinêre Voortplanting (Gedoseer)</a>
<b>Voorvereistes</b>	GSK 801
<b>Kontaktyd</b>	50 kontakure
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will provide advanced theoretical study in the reproduction of mares and stallions, including the physiology and endocrinology of reproduction; monitoring, aspects of assisting and controlling their reproduction; managing diseases and malfunctions of reproduction and the evaluation of stallions and mares for breeding soundness.

## Small animal reproduction 809 (GSK 809)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	25.00
<b>Programme</b>	<a href="#">MSc Veterinêre Voortplanting (Gedoseer)</a>
<b>Voorvereistes</b>	GSK 801
<b>Kontaktyd</b>	50 kontakure
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1 of Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will provide advanced theoretical study in the reproduction of dogs and cats, including the physiology and endocrinology of reproduction; monitoring, aspects of assisting and controlling their reproduction; managing diseases and malfunctions of reproduction and the evaluation of dogs and bitches for breeding soundness.

## Wildlife reproduction 810 (GSK 810)

<b>Kwalifikasie</b>	Nagraads
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<b>Modulekrediete</b>	25.00
<b>Programme</b>	<a href="#">MSc Veterinêre Voortplanting (Gedoseer)</a>
<b>Voorvereistes</b>	GSK 801
<b>Kontaktyd</b>	50 kontakure
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1 of Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will provide advanced theoretical study in the physiology and endocrinology of reproduction and reproductive patterns of wildlife, the monitoring of their reproduction, the development of breeding programmes for them and contraception, as well as diseases and malfunctions of reproduction and the evaluation of males and females for breeding soundness.

### Miniverhandeling 891 (GSK 891)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Geslagskunde (Gedoseer)</a> <a href="#">MSc Veterinêre Voortplanting (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	10 Seminare oor 'n tydperk van 2 weke
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The aim of the module is to let the student experience and work through the scientific research process, starting with the formulation of a research question in the field of animal reproduction and ending with reporting the research in a mini-dissertation and an article of sufficient merit to submit to an approved scientific journal.

### Geslagskundige Verpleegk 120 (GSV 120)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	5.00
<b>Programme</b>	<a href="#">Universiteitsdiploma Veterinêre Verpleegkunde</a>
<b>Voorvereistes</b>	Geen voorvereistes.



**Kontaktyd** 10 Kliniese periodes, 2 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Fundamental reproductive physiology and endocrinology of the male and female domestic animals. The oestrous cycle, monitoring thereof and principles of oestrus control. Artificial insemination of the cow, ewe and bitch. Physiology and endocrinology of pregnancy, pregnancy diagnosis and care of the pre- and post-partum animal and neonate. Normal parturition and care of the animal during parturition and puerperium. Basic obstetrics and reproductive emergencies. Basic principles of collection, examination and storage of semen. Infertility of female and male animals.

## Geslagskundige Verpleegk 200 (GSV 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 11.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** Semester 1 :25 Kliniese periodes per sem

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Clinic management, practical instruction, patient care and nursing procedures in the reproduction clinic.

## Inleidende genetika 161 (GTS 161)

**Kwalifikasie** Voorgraads

**Modulekrediete** 8.00



BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Genetika  
BSc Inligting- en Kennisstelsels  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Mikrobiologie  
BSc Plantkunde  
BSc Verlengde program - Biologiese en Landbouwetenskappe  
BSc Voeding  
BSc Voedselwetenskap  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde  
BVSc

## Programme

<b>Diensmodules</b>	Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie Fakulteit Opvoedkunde Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	MLB 111 GS
<b>Kontaktyd</b>	2 lesings per week, Prakties tweeweekliks
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademiese organisasie</b>	Genetika
<b>Aanbiedingstydperk</b>	Semester 2

## Module-inhoud

Chromosome en seldeling. Beginsels van Mendeliese oorerwing: lokus en allele, dominansie- interaksies en epistase. Waarskynlikheidsleer. Geslagbepaling en geslagsgekoppelde eienskappe. Stamboomanalise. Ekstranukleêre oorerwing. Genetiese koppeling en chromosoomkartering. Chromosoomvariasie.

## General vector-borne diseases 811 (GVD 811)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	MSc Tropiese dieregesondheid
<b>Onderrigtaal</b>	Module word in Engels aangebied





**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The module gives an overview of the most important vectors and vector borne diseases, their importance and insight on the importance of the biology of the vectors on the transmission of the micro-organisms they transmit.

## Projekbestuur in gesondheid 870 (HCS 870)

**Kwalifikasie** Nagraads

**Modulekrediete** 10.00

**Diensmodules** Fakulteit Veeartsenykunde

**Voorvereistes** HME 870

**Kontaktyd** 1 besprekingsklas per week, 1 praktiese sessies per week, 1 lesing per week, 1 ander kontak per week, 1 seminar per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Skool vir GSOH

**Aanbiedingstydperk** Jaar

## Inleiding tot monitering en evaluering vir gesondheidsbestuurders 870 (HIN 870)

**Kwalifikasie** Nagraads

**Modulekrediete** 10.00

**Diensmodules** Fakulteit Veeartsenykunde

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 1 praktiese sessie per week, 16 lesing per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Skool vir GSOH

**Aanbiedingstydperk** Jaar



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This is an introductory module on Monitoring and Evaluation (M&E) designed to provide students with knowledge, attitudes and skills regarding M&E frameworks, health information and data systems and indicators, evaluation designs, development of M&E plans, data collection, processing and use and feedback of M&E results, within the context of health systems strengthening. At the end of the module the student should be able to define M&E concepts in the context of health systems strengthening; describe M&E frameworks; design an M&E plan; understand health information systems and data collection, processing and understand how M&E results can be used for health systems strengthening.

## Histology 800 (HIS 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	20.00
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Anatomie en Fisiologie
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

An in-depth comparative study of light microscopical structure and detailed ultrastructure of all the tissues and organs of domestic animals, birds and selected wildlife species.

## Monitering en evaluering 873 (HME 873)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	15.00
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 praktiese sessie per week, 2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Skool vir GSOH
<b>Aanbiedingstydperk</b>	Jaar

## Introductory veterinary diagnostics 300 (IVD 300)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	24.00
<b>Programme</b>	BVSc
<b>Voorvereistes</b>	No prerequisites.



**Kontaktyd** 6 praktiese sessies per semester, 3 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Diagnostic focus: Introduction to common diagnostic procedures used in key domestic animals including clinical examination, clinical pathology, pain assessment and sedation in relation to clinical examination, basic epidemiological concepts, basic diagnostic imaging modalities and radiation safety.

Clinical physiology focus: The aim is to explain the pathophysiology of commonly occurring clinical conditions and the attempts by the body to re-establish homeostasis. This section of IVD 300 relies heavily on the VPH 200 module for its foundation.

Veterinary research focus: IVD 300 also include a section on the role of research in veterinary science, literature reviews, research design, the role of laboratory animals in veterinary research and examples of research.

## Kliniese laboratoriumdiagnostiek 800 (KDK 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Kliniese Laboratoriumdiagnostiek \(Gedoseer\)](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

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.

## Miniverhandeling: Kliniese laboratoriumdiagnostiek 890 (KDK 890)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Kliniese Laboratoriumdiagnostiek \(Gedoseer\)](#)

**Voorvereistes** VRM 813



**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### **Kleinveekuddegesondheid 800 (KKS 800)**

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Kleinveekuddegesondheid \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

#### **Module-inhoud**

\*Hierdie module word slegs in Engels aangebied.

Specialised training based on farm visits, discussions, seminars and case studies.

Specialised integration and application of knowledge so that health and production problems can be identified and solved on a herd basis, and health status and production effectiveness of small stock herds can be raised from a holistic and cost-effective viewpoint, within a broad spectrum of sheep and goat-farming systems and feedlots.

### **Miniverhandeling: Kleinveekuddegesondheid 890 (KKS 890)**

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Kleinveekuddegesondheid \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### **Kliniese Patologie 701 (KPA 701)**

**Kwalifikasie** Nagraads

**Modulekrediete** 32.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied



**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

**Module-inhoud**

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

**Kliniese Patologie 702 (KPA 702)**

**Kwalifikasie** Nagraads

**Modulekrediete** 31.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

**Module-inhoud**

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

**Language and study skills 110 (LST 110)**

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00



## Programme

BConSc Gasvryheidsbestuur  
BConSc Kledingkleinhandelbestuur  
BConSc Voedselkleinhandelbestuur  
BSc Aktuariële en Finansiële Wiskunde  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Fisika  
BSc Genetika  
BSc Geografie  
BSc Geoinformatika  
BSc Geologie  
BSc Ingenieurs- en Omgewingsgeologie  
BSc Kulinêre Wetenskap  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Meteorologie  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Toegepaste Wiskunde  
BSc Voedselwetenskap  
BSc Wiskunde  
BSc Wiskundige Statistiek  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde  
BVSc

### Diensmodules

Fakulteit Natuur- en Landbouwetenskappe  
Fakulteit Veeartsenykunde

### Voorvereistes

No prerequisites.

### Kontaktyd

2 lesings per week

### Onderrigtaal

Module word in Engels aangebied

### Akademiese organisasie

Eenheid vir Akademiese Gelett

### Aanbiedingstydperk

Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The module aims to equip students with the ability to cope with the reading and writing demands of scientific disciplines.

## Laboratoriumtegniek 120 (LTG 120)

**Kwalifikasie** Voorgraads

**Modulekrediete** 11.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 6 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Specimen collection and dispatching, maintenance and handling of laboratory equipment, quality control, record keeping, basic haematology, elements of transfusion medicine, uninalysis, coprology, basic cytological principles, aspects of clinical chemistry.

## Mikrobiologie 111 (MBI 111)

**Kwalifikasie** Voorgraads

**Modulekrediete** 10.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 1 praktiese sessie per week, 5 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Introduction to the viral, bacterial and fungal agents that cause diseases in animals and introduction to the most important infectious diseases of domestic animals. Elementary knowledge of immunology, theory and effects of antiseptic techniques, zoonoses and epidemiology. Transmission and prevention of these diseases.



## Mediese fisika 800 (MFK 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	36.00
<b>Programme</b>	<a href="#">MMed Radiologiese Diagnostiek</a>
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Fisika
<b>Aanbiedingstydperk</b>	Jaar

## Molekulêre en selbiologie 111 (MLB 111)

**Kwalifikasie** Voorgraads

**Modulekrediete** 16.00

<b>Programme</b>	<a href="#">BChD</a> <a href="#">BDietetics</a> <a href="#">BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys</a> <a href="#">BSc Biochemie</a> <a href="#">BSc Biologiese Wetenskappe</a> <a href="#">BSc Biotegnologie</a> <a href="#">BSc Chemie</a> <a href="#">BSc Dierkunde</a> <a href="#">BSc Ekologie</a> <a href="#">BSc Entomologie</a> <a href="#">BSc Genetika</a> <a href="#">BSc Inligting- en Kennisstelsels</a> <a href="#">BSc Kulinêre Wetenskap</a> <a href="#">BSc Mediese Wetenskappe</a> <a href="#">BSc Mensfisiologie</a> <a href="#">BSc Mensfisiologie, Genetika en Sielkunde</a> <a href="#">BSc Mensgenetika</a> <a href="#">BSc Mikrobiologie</a> <a href="#">BSc Omgewingswetenskappe</a> <a href="#">BSc Plantkunde</a> <a href="#">BSc Rekenaarwetenskap</a> <a href="#">BSc Voeding</a> <a href="#">BSc Voedselwetenskap</a> <a href="#">BScAgric Landbou-ekonomie en Agribesigheidsbestuur</a> <a href="#">BScAgric Plantpatologie</a> <a href="#">BScAgric Toegepaste Plant- en Grondwetenskappe</a> <a href="#">BScAgric Vee- en Weidingkunde</a> <a href="#">BScAgric Veekunde</a> <a href="#">BVSc</a> <a href="#">MBChB Geneeskunde</a>
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<b>Diensmodules</b>	Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie Fakulteit Opvoedkunde Fakulteit Gesondheidswetenskappe Fakulteit Veeartsenykunde
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<b>Voorvereistes</b>	Verwys na Regulasie 1.2: 'n Kandidaat moet Wiskunde met ten minste 50% geslaag het in die G12-eksamen
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<b>Kontaktyd</b>	4 lesings per week, 1 praktiese sessie per week
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<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
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<b>Akademiese organisasie</b>	Genetika
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<b>Aanbiedingstydperk</b>	Semester 1
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### Module-inhoud

Inleidende studie van die ultrastruktuur, funksie en samestelling van verteenwoordigende selle en selkomponente. Algemene beginsels van selmetabolisme, molekulêre genetika, selgroei, seldeling en seldifferensiasie.

## Mediese terminologie 180 (MTL 180)

<b>Kwalifikasie</b>	Voorgraads
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<b>Modulekrediete</b>	12.00
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<b>Programme</b>	<a href="#">BA Oudiologie</a> <a href="#">BA Spraak-Taalpatologie</a> <a href="#">BChD</a> <a href="#">BNurs</a> <a href="#">BOccTher Arbeidsterapie</a> <a href="#">BRad Diagnostiek</a> <a href="#">BSportSci</a> <a href="#">BVSc</a> <a href="#">MBChB Geneeskunde</a>
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<b>Diensmodules</b>	Fakulteit Gesondheidswetenskappe Fakulteit Natuur- en Landbouwetenskappe Fakulteit Veeartsenykunde
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<b>Voorvereistes</b>	Geen voorvereistes.
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<b>Kontaktyd</b>	2 lesings per week
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<b>Onderrigtaal</b>	Afrikaans en Engels word in een klas gebruik
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<b>Akademiese organisasie</b>	Antieke Tale en Kulture
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<b>Aanbiedingstydperk</b>	Semester 1 en Semester 2
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## Module-inhoud

Die aanleer van 'n basiese, medies-georiënteerde woordeskat saamgestel uit Latynse en Griekse stamvorme verbind met voor- en agtervoegsels afkomstig uit hierdie tale. Die wyse waarop die betekenis van mediese terme bepaal word deur die ontleding van mediese terme in hul herkenbare betekenisdraende, samestellende dele word onderrig en ingeef. Die funksionele gebruik van mediese terme in konteks as praktiese uitkoms van terminologiese toepassing geniet deurlopend aandag.

## Mediese Verpleegkunde 120 (MVP 120)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 21 lesings, 10 Kliniese praktika van 40minute elk per semester

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Theoretical aspects of intensive care nursing, including fluid therapy, cardiovascular and pulmonary resuscitation, nutritional therapy, recognition and treatment of shock. Monitoring of patients.

## Mediese Verpleegkunde 200 (MVP 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 74.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 2 kliniese weke van 40 ure per weke per semester, Semester 1: 6 lesings per week oor 14 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Emergency treatment and nursing care of companion animal and production animal patients. Assisting with and performing diagnostic procedures. Lectures are offered by the departments of Companion Animal Clinical Studies and Production Animal Studies.



## Narkose 200 (NAR 200)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	16.00
<b>Programme</b>	<a href="#">Universiteitsdiploma Veterinêre Verpleegkunde</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1 kliniese week van 40 ure per jaar, 3 lesings per week oor 14 weke
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The physiology and signs of anaesthesia.

Anaesthetics, methods and apparatus of anaesthesia. Anaesthetising and monitoring anaesthesia. Preparation and after-care. Anaesthetic emergencies.

## Wildlife management and production 800 (NLB 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	20.00
<b>Programme</b>	<a href="#">MSc Natuurlewegesondheid, -ekologie en -bestuur</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module covers wildlife management topics of husbandry (wildlife production systems, nutrition, housing and breeding) and wildlife management techniques (fire, fencing, captive management and animal welfare), The module will teach skills and tools of wildlife management.

## Oftalmologie 700 (OFM 700)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	30.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied



**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Oftalmologie 800 (OFM 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Oftalmologie \(Gedoseer\)](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie module word slegs in Engels aangebied.

An advanced theoretical, practical and experiential module in ophthalmology of domestic animals (large and small animals).

## Miniverhandeling: Oftalmologie 890 (OFM 890)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Oftalmologie \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## One health: basic concepts 801 (OHB 801)

**Kwalifikasie** Nagraads

**Modulekrediete** 12.00

**Programme** [MSc Tropiese dieregesondheid](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will introduce students to the philosophy and practice of "One Health", an approach that recognises that the health and well-being of humans, domestic animals, wildlife and the ecosystems in which they live and function and intrinsically connected.

## Parasitologie 120 (PAR 120)

**Kwalifikasie** Voorgraads

**Modulekrediete** 8.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 6 Prakties, 3 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Elementary helminthology, ectoparasitology and protozoology. Theoretical and practical studies on the most important parasites of domestic animals, the diseases they cause or transmit and methods to control them.

## Patologie 800 (PAT 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Patologie \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Pathology 800 is structured to train specialist veterinary pathologists, competent in the fields of diagnostic pathology and basic research principles, and to focus mainly on diseases and conditions in sub-Saharan domestic animals and wildlife. The course content deals with general and organ pathology, diseases and conditions of the various species. Within this 3-year period, 90 weeks of consecutive practical training, as required by the South African Veterinary Council, must be undertaken.



## Patologie 806 (PAT 806)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	28.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The emphasis of the module is on practical diagnostic pathology (including forensic pathology) and its outcomes will enable a veterinarian to investigate disease and the cause of death in wildlife. The approach will emphasise the following: After conducting a necropsy, a diagnosis is finalised by also considering the results of other diagnostic tests and ancillary data; when it is not possible to make a final diagnosis, the formulation of a list of differential diagnoses and a strategy to resolve the problem; compiling interim and final report(s) that are scientifically sound, presentable to a court of law and reflect a degree of professionalism that is commensurate with a professional person. The theoretical component includes selected information dealing with incidental findings and 'non-lesions', species-specific infectious diseases, and non-infectious diseases.

## Patologie 807 (PAT 807)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	28.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

An advanced module in necropsy techniques, interpretation and specimen collection.

## Patologie 808 (PAT 808)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	20.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe



**Aanbiedingstydperk** Jaar

**Module-inhoud**

\*Hierdie inligting is slegs in Engels beskikbaar.

Macroscopic and microscopic pathology of the diseases of the eyes of domestic animals.

**Mechanisms of disease 871 (PAT 871)**

**Kwalifikasie** Nagraads

**Modulekrediete** 20.00

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

**Module-inhoud**

Mechanisms of disease (for Medicine students)

**Miniverhandeling: Patologie 890 (PAT 890)**

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Patologie \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

**Proefdierkunde 800 (PFK 800)**

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Proefdierkunde \(Gedoseer\)](#)

**Voorvereistes** Geen voorereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

An advanced module in the role of the veterinarian in laboratory animal medicine and practical aspects relating to the promotion of a productive scientific effort in the biomedical sciences.

## Miniverhandeling: Proefdierwetenskap 890 (PFK 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	MMedVet Proefdierkunde (Gedoseer)
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

## Porcine health and production 420 (PHP 420)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	5.00
<b>Programme</b>	BVSc
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The pig industry; breeding and husbandry; nutrition and related disorders; important diseases; biosecurity; miscellaneous conditions.

## Toegepaste varkgesondheid en -produksie 650 (PHP 650)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	6.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	Ja, 1.5 praktiese sessies per week
<b>Onderrigtaal</b>	Module word in Engels aangebied





**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

**Module-inhoud**

\*Hierdie inligting is slegs in Engels beskikbaar.

Practical instruction on module matter dealt with in Porcine health and production 601.

### Pluimveegesondheid en produksie 800 (PHP 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Pluimveesiektes \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

**Module-inhoud**

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced training in poultry health and production.

### Fisika vir Biologiese studente 131 (PHY 131)

**Kwalifikasie** Voorgraads

**Modulekrediete** 16.00



<b>Programme</b>	BChD BDietetics BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys BPhysio Fisioterapie BSc Biochemie BSc Biologiese Wetenskappe BSc Biotegnologie BSc Dierkunde BSc Ekologie BSc Entomologie BSc Genetika BSc Mediese Wetenskappe BSc Mensfisiologie BSc Mensfisiologie, Genetika en Sielkunde BSc Mensgenetika BSc Mikrobiologie BSc Plantkunde BSc Voeding BSc Voedselwetenskap BScAgric Plantpatologie BScAgric Toegepaste Plant- en Grondwetenskappe BScAgric Vee- en Weidingkunde BScAgric Veekunde BSportSci BVSc MBChB Geneeskunde
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<b>Diensmodules</b>	Fakulteit Opvoedkunde Fakulteit Gesondheidswetenskappe Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Verwys na Regulasie 1.2: 'n Kandidaat moet Wiskunde met ten minste 50% geslaag het in die G12-eksamen
<b>Kontaktyd</b>	1 besprekingsklas per week, 4 lesings per week, 1 praktiese sessie per week
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademiese organisasie</b>	Fisika
<b>Aanbiedingstydperk</b>	Semester 1

#### Module-inhoud

Eenhede, vektore, kinematika, dinamika, arbeid, ewewig, klank, vloeistowwe, warmte, termodinamiese prosesse, elektriese potensiaal en kapasitansie, direkte en wisselstroom, optika, atoomfisika, X-strale, radioaktiwiteit.

### Poultry health and production 420 (PLY 420)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	5.00
<b>Programme</b>	BVSc



<b>Voorvereistes</b>	No prerequisites.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 2

#### **Module-inhoud**

The poultry industry; breeding and husbandry; nutrition and related disorders; important diseases; biosecurity; miscellaneous conditions; zoonosis.

### **Toegepaste Plumveegesondheid en Produksie 650 (PLY 650)**

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	7.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	1.7 praktiese sessies per week, Ja
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

#### **Module-inhoud**

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

### **Miniverhandeling: Plumveesiektes 890 (PVT 890)**

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Plumveesiektes (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### **Kwalitatiewe navorsingsmetodes 870 (QHR 870)**

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	10.00



<b>Programme</b>	MPH Openbare Gesondheid MSc Epidemiologie MSc Kliniese Epidemiologie MSc Openbare Gesondheid
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<b>Diensmodules</b>	Fakulteit Veeartsenykunde
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<b>Voorvereistes</b>	Geen voorvereistes.
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<b>Onderrigtaal</b>	Module word in Engels aangebied
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<b>Akademiese organisasie</b>	Skool vir GSOH
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<b>Aanbiedingstydperk</b>	Jaar
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### Radiografie 200 (RAV 200)

<b>Kwalifikasie</b>	Voorgraads
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<b>Modulekrediete</b>	12.00
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<b>Programme</b>	Universiteitsdiploma Veterinêre Verpleegkunde
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<b>Voorvereistes</b>	Geen voorvereistes.
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<b>Kontaktyd</b>	3 lesings per week oor 14 weke, 1 kliniese week van 40 ure per jaar
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<b>Onderrigtaal</b>	Module word in Engels aangebied
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<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
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<b>Aanbiedingstydperk</b>	Jaar
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#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Generating röntgen rays and their properties. Protective measures. Manipulating exposure factors. Positioning. Purpose and maintenance of accessories. Films, contrast media, development and evaluation of the quality of röntgen photographs. Basic principles of diagnostic ultrasonography.

### Ruminant health 801 (RUM 801)

<b>Kwalifikasie</b>	Nagraads
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<b>Modulekrediete</b>	40.00
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<b>Programme</b>	MSc Herkouergesondheid (Gedoseer)
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<b>Voorvereistes</b>	A BVSc, a four year BSc in Agriculture (Animal Science), Microbiology, Zoology or an equivalent degree
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<b>Kontaktyd</b>	1 seminaar per week, 1 besprekingsklas per week
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<b>Onderrigtaal</b>	Module word in Engels aangebied
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<b>Akademiese organisasie</b>	Produksiedierstudies
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<b>Aanbiedingstydperk</b>	Jaar
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## Module-inhoud

Advanced theoretical training in ruminant health with emphasis on the pathophysiology, diagnosis, treatment and control of non-infectious diseases, specifically applicable to conditions of the gastro-intestinal tract, liver, production diseases, cardiovascular system, respiratory system, nervous system, musculo-skeletal system, skin and appendages.

## Mini-dissertation: Ruminant health 890 (RUM 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MSc Herkouergesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	A BVSc, a four year BSc in Agriculture (Animal Science), Microbiology, Zoology or an equivalent degree
<b>Kontaktyd</b>	20 Kontak sessies
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

Mini-dissertation

## Small animal medicine and surgery 400 (SAS 400)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	50.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	Semester 1: 13 lesings per week oor 14 weke, Semester 2: 9 lesings per week oor 14 weke, 5 praktika per jaar
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Patient assessment; therapeutic and monitoring plans for selected key critical situations; identification, diagnosis and treatment of important cardiovascular, respiratory, gastrointestinal, liver, pancreas, peritoneal, kidney, urogenital, skin, endocrine, musculoskeletal, nervous system and eye conditions/diseases; multi-systemic conditions; dentistry; oncology; behaviour-related disorders and treatment, critical care and traumatology in dogs and cats; selected aspects of the handling, housing, nutrition, husbandry and diseases of cage birds, reptiles, small mammals, rabbits and chinchillas.



## Kommunikasie in gesondheid 871 (SCC 871)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	10.00
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	16 lesing per week, 1 praktiese sessie per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Skool vir GSOH
<b>Aanbiedingstydperk</b>	Jaar

## Small stock health and production 510 (SSH 510)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	25.00
<b>Programme</b>	BVSc
<b>Kontaktyd</b>	1 ander kontak per week, 6 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

An encompassing approach including case studies, peer instruction and practical group work will enable the student to acquire, understand and apply knowledge regarding small stock production systems. Nutrition, parasite management, disease management, technology and economics will be dealt with.

## Toegepaste kleinveegegesondheid en produksie 650 (SSH 650)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	12.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	Ja, 2.8 praktiese sessies per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.



## Small stock health 801 (SSH 801)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Programme</b>	<a href="#">MSc Herkouergesondheid (Gedoseer)</a>
<b>Kontaktyd</b>	1 besprekingsklas per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

The module content will be based on advanced theoretical training in small stock health with emphasis on principles of population health and production programmes, animal health economics, monitoring health and production. The module will enable students to integrate and apply knowledge so that health and production problems can be identified and solved on a flock basis and health status and production effectiveness of small stock flock can be raised from a holistic and cost effective viewpoint.

## Ticks and Tick-borne diseases 814 (TBD 814)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

### Module-inhoud

\*Hierdie module word slegs in Engels.

This module gives an overview of the economically important ticks and tick-borne parasites of domestic and wild animals, their importance and insight the biology of the vectors on the transmission of the micro-organisms they transmit.

## Identifiseering van bosluisoorte 811 (TCK 811)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied



**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

### Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Toksikologie 800 (TOK 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Toksikologie \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Advanced theoretical study and specialised practical training in aspects of veterinary toxicology.

## Miniverhandeling: Toksikologie 890 (TOK 890)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Toksikologie \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

## Toksikologie 300 (TOX 300)

**Kwalifikasie** Voorgraads

**Modulekrediete** 14.00

**Programme** [BVSc](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 3 lesings per week

**Onderrigtaal** Module word in Engels aangebied





**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

General principles of veterinary toxicology, with emphasis on the relevant factors and circumstances contributing to poisoning; advanced toxicology with regard to inorganic and organic compounds, fungi, cyanobacteria, plants, rodenticides, zootoxins, etc. Plant poisonings, mycotoxicoses and inorganic and organic poisonings are discussed under the following headings: epidemiology and species affected, description, identification, distribution and poisonous principle (if applicable), mechanism of action, toxicity, clinical signs, pathology (limited to the most important lesions); diagnosis, differential diagnosis, treatment and control of prevention. A pressed plant collection or a poisonous plant collection in digital format has to be submitted.

## Veterinary toxicology: Organ/systems toxicology 801 (TOX 801)

**Kwalifikasie** Nagraads

**Modulekrediete** 30.00

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

### Module-inhoud

The objective of this module is to provide advanced training in veterinary toxicology, including plant poisoning syndromes, mycotoxicoses, organic and inorganic intoxications as well as zootoxicoses of veterinary importance. This will enable the candidate to develop proficiency in routine toxicological field investigations, treatment of intoxications, diagnostic procedures and to provide sound advice on preventative measures.

## Teaterpraktyk 120 (TPR 120)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 21 lesings, 10 Kliniese praktika van 40minute elk per semester

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 2



## Module-inhoud

\*Hierdie module words slegs in Engels aangebied.

Theatre ethics.

Basic principles of aseptic techniques. Types of surgical infections and their causes. Theatre management, hygiene and routine. Care of patients in the theatre. Lectures are offered by various departments.

## Teaterpraktyk 200 (TPR 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 12.00

**Programme** [Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 1 kliniese week van 40 ure per jaar, 3 lesings per week oor 14 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

## Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Akademiese oriëntasie 108 (UPO 108)

**Kwalifikasie** Voorgraads

**Modulekrediete** 0.00

**Programme** [BVSc](#)  
[Universiteitsdiploma Veterinêre Verpleegkunde](#)

**Onderrigtaal** Afrikaans en Engels word in een klas gebruik

**Akademiese organisasie** Veeartseny Dekanskantoor

**Aanbiedingstydperk** Jaar

## Veterinêre vergelykende anatomie 200 (VCA 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 38.00

**Programme** [BVSc](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** Semester 1: 9 lesings per week oor 14 weke, Semester 2: 11 lesings per week oor 14 weke

**Onderrigtaal** Module word in Engels aangebied



**Akademiese organisasie** Anatomie en Fisiologie

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Anatomical terminology, early embryonic development, central and autonomic nervous systems, cutaneous appendages and musculature, thoracic limb, pelvis, pelvic limb and the head of the major domestic species. Basic avian anatomy.

## Veterinary core practice 601 (VCP 601)

**Kwalifikasie** Voorgraads

**Modulekrediete** 53.00

**Programme** BVSc

**Voorvereistes** All modules up to and including the 9th semester of the BVSc curriculum.

**Kontaktyd** Ja, 40 ure per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Practical application of the theoretical aspects of small animal, production animal, equine and state veterinary practice covered in the core curriculum of the BVSc programme. Topics include medicine, surgery, reproduction, diagnostic imaging, pathology and clinical pathology, ophthalmology, dentistry and anaesthesiology of cats, dogs, cattle, small stock and horses, herd/flock health, epidemiology, economics, drug regulations, certification, animal health- and import/export regulations, veterinary public health, veterinary business management and veterinary professional life skills. The emphasis of practical exposure will be on attaining of the Day One Competencies for graduating veterinary professionals.

## Veterinary core practice 602 (VCP 602)

**Kwalifikasie** Voorgraads

**Modulekrediete** 53.00

**Programme** BVSc

**Voorvereistes** All modules up to and including the 9th semester of the BVSc curriculum.

**Kontaktyd** Ja, 40 ure per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies



**Aanbiedingstydperk** Semester 1

**Module-inhoud**

\*Hierdie inligting is slegs in Engels beskikbaar.

Practical application of the theoretical aspects of small animal, production animal, equine and state veterinary practice covered in the core curriculum of the BVSc programme. Topics include medicine, surgery, reproduction, diagnostic imaging, pathology and clinical pathology, ophthalmology, dentistry and anaesthesiology of cats, dogs, cattle, small stock and horses, herd/flock health, epidemiology, economics, drug regulations, certification, animal health- and import/export regulations, veterinary public health, veterinary business management and veterinary professional life skills. The emphasis of practical exposure will be on attaining of the Day One Competencies for graduating veterinary professionals.

**Veterinary core practice 603 (VCP 603)**

**Kwalifikasie** Voorgraads

**Modulekrediete** 54.00

**Programme** BVSc

**Voorvereistes** All modules up to and including the 9th semester of the BVSc curriculum.

**Kontaktyd** Ja, 40 ure per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 2

**Module-inhoud**

\*Hierdie inligting is slegs in Engels beskikbaar.

Practical application of the theoretical aspects of small animal, production animal, equine and state veterinary practice covered in the core curriculum of the BVSc programme. Topics include medicine, surgery, reproduction, diagnostic imaging, pathology and clinical pathology, ophthalmology, dentistry and anaesthesiology of cats, dogs, cattle, small stock and horses, herd/flock health, epidemiology, economics, drug regulations, certification, animal health- and import/export regulations, veterinary public health, veterinary business management and veterinary professional life skills. The emphasis of practical exposure will be on attaining of the Day One Competencies for graduating veterinary professionals.

**Veterinêre mikrobiologie 210 (VEM 210)**

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 8 besprekings per dag vir 1 dag, 2 lesings per dag vir 4 dae, 2 besprekings per dag vir 1 dag

**Onderrigtaal** Module word in Engels aangebied



**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

General introduction to microbiology, bacteriology and mycoplasmaology, pathogenesis of bacterial and mycoplasmal infections, rickettsiales and pathogenesis of infection, chlamydiales and pathogenesis of infection, general introduction to fungi and pathogenesis of infection, general introduction to viruses and pathogenesis of infection, laboratory diagnosis of infectious diseases, normal flora of selected organ systems in domestic animals.

## Veterinary elective practice 601 (VEP 601)

**Kwalifikasie** Voorgraads

**Modulekrediete** 28.00

**Programme** BVSc

**Kontaktyd** Ja

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The purpose of this module is to give students additional exposure in a practice area of interest. The aim is to provide the graduate with theoretical and practical exposure to strengthen Day 1 competencies in those components of veterinary science needed for him/her to enter the particular career path with confidence. The scope of the module is expansion, integration and practical application of knowledge established through the core component of the BVSc programme. Students will complete one of the following six practice areas: Small Animal and Exotic Practice, Rural and Wildlife Practice, Veterinary Public Health and State Veterinary Practice, Equine Practice, Intensive Animal Production Practice, and Veterinary Research Career.

## Veterinary elective practice 602 (VEP 602)

**Kwalifikasie** Voorgraads

**Modulekrediete** 28.00

**Programme** BVSc

**Kontaktyd** Ja

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Semester 1



## Module-inhoud

\* Hierdie module word slegs in Engels aangebied.

The purpose of this module is to give students additional exposure in a practice area of interest. The aim is to provide the graduate with theoretical and practical exposure to strengthen Day 1 competencies in those components of veterinary science needed for him/her to enter the particular career path with confidence. The scope of the module is expansion, integration and practical application of knowledge established through the core component of the BVSc programme. Students will complete one of the following six practice areas: Small Animal and Exotic Practice, Rural and Wildlife Practice, Veterinary Public Health and State Veterinary Practice, Equine Practice, Intensive Animal Production Practice, and Veterinary Research Career.

## Veterinary elective practice 603 (VEP 603)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	24.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Kontaktyd</b>	Ja
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The purpose of this module is to give students additional exposure in a practice area of interest. The aim is to provide the graduate with theoretical and practical exposure to strengthen Day 1 competencies in those components of veterinary science needed for him/her to enter the particular career path with confidence. The scope of the module is expansion, integration and practical application of knowledge established through the core component of the BVSc programme. Students will complete one of the following six practice areas: Small Animal and Exotic Practice, Rural and Wildlife Practice, Veterinary Public Health and State Veterinary Practice, Equine Practice, Intensive Animal Production Practice, and Veterinary Research Career.

## Veterinêre Etologie 110 (VET 110)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	16.00
<b>Programme</b>	<a href="#">Universiteitsdiploma Veterinêre Verpleegkunde</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	3 praktiese sessies per week, 6 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Introduction to veterinary ethology.

Applied ethology of companion animals (dogs, cats, horses) and applied production animal ethology (cattle, sheep, pigs), including livestock, breeds, behaviour, breeding, feeding and care of each species.

Lectures are offered by the departments of Companion Animal Clinical Studies and Production Animal Studies.

## Veterinêre etologie en genetika 200 (VET 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 23.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 3 lesings per week, 4 keer per jaar

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The impact of genetics on function and management of key domestic species, husbandry of and common procedures performed on key domestic species, behavioural principles of key domestic species, handling skills for key domestic animals, aspects of animal welfare.

## Veterinary immunology 220 (VIM 220)

**Kwalifikasie** Voorgraads

**Modulekrediete** 6.00

**Programme** BVSc

**Voorvereistes** No prerequisites.

**Kontaktyd** 6 lesings per dag vir 7 dae, 1 seminaar

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Overview of the immune system, structure of antibodies, biosynthesis of immunoglobulins, antigen-receptor interaction, complement, humoral immune response, cellular immune response, selected immunodiagnostic techniques, vaccinology, basic principles of immunity to infectious and parasitic diseases.



## Veterinary infectious diseases 300 (VIP 300)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	14.00
<b>Programme</b>	BVSc
<b>Voorvereistes</b>	No prerequisites.
<b>Kontaktyd</b>	3 besprekingsklas per week vir 5 weke, 3 lesings per week oor 23 weke
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

Veterinary infectious diseases is a module aimed at providing the student with in-depth knowledge of all aspects of diseases of food-producing and companion animals caused by viruses, bacteria, fungi and prions. The module is structured to enable students to discern which infectious diseases of animals are high impact diseases and which are of lesser significance in order of importance. The module covers the morphological and physico-chemical characteristics of the causative organisms and the epidemiology and pathogenesis of the diseases caused by them. Course candidates will also learn how to diagnose these diseases in both the living and dead animal, and the control strategies applicable, including control at the livestock/wildlife/human interface. Finally, course candidates will learn about the socio-economic importance of infectious diseases of animals with special reference to transboundary spread.

## Veterinêre Industriële Farmakologie 800 (VIP 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	50.00
<b>Programme</b>	MSc Veterinêre Industriële Farmakologie (Gedoseer)
<b>Voorvereistes</b>	FAK 876
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Veterinary pharmaceutical discovery and development. Non-clinical safety and preclinical toxicology. Clinical safety and efficacy evaluation. Good laboratory and clinical practices. Drug statutory and application requirement. Drug application submission. Regulatory procedures, evaluation and veterinary drug control. Drug residue risk assessment. Product planning, production management and quality assurance. Drug marketing, pricing and promotion. Technical services, training, extension, product support and complaint investigation.





## Miniverhandeling: Veterinêre industriële farmakologie 890 (VIP 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MSc Veterinêre Industriële Farmakologie (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

## Varkkuddegesondheid 800 (VKH 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	270.00
<b>Programme</b>	<a href="#">MMedVet Varkkuddegesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Specialised training based on farm visits, discussions, seminars and case studies. Integration and application of knowledge so that health and production problems can be identified and solved on a herd basis, and health status and production effectiveness of pig herds can be raised within a wide spectrum of pig-farming systems.

## Miniverhandeling: Varkkuddegesondheid 890 (VKH 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MMedVet Varkkuddegesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

## Veekunde 210 (VKU 210)

<b>Kwalifikasie</b>	Voorgraads
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<b>Modulekrediete</b>	8.00
<b>Programme</b>	BVSc
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Kontaktyd</b>	1 praktiese sessie per week, 2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Vee- en Wildkunde
<b>Aanbiedingstydperk</b>	Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

A brief perspective on the South African livestock industry. South African biomes in which animal production is practised. Animal ecological factors that influence regional classification. Introduction to adaptation physiology with reference to origin and domestication of farm and companion animals. Livestock species, breed development and breed characterisation. Basic principles of animal breeding and genetics, animal nutrition. Practical work includes identification and classification of different breeds of livestock.

## Veekunde 220 (VKU 220)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	8.00
<b>Programme</b>	BVSc
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	VKU 210 GS of TDH
<b>Kontaktyd</b>	1 praktiese sessie per week, 2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Vee- en Wildkunde
<b>Aanbiedingstydperk</b>	Kwartaal 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Introduction to the concepts of animal production systems in South African production environments. Principles and requirements for extensive, semi-intensive and intensive livestock production with reference to large- and small stock, poultry and pigs. Principles of communal farming systems in Southern Africa. Game management systems with reference to conservation and game farming. The role of the human in livestock production systems and sustainable production.

## Veekunde 222 (VKU 222)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	8.00



<b>Programme</b>	BVSc
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Vee- en Wildkunde
<b>Aanbiedingstydperk</b>	Semester 2

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The chemical composition of animal feedstuffs and fodder. Digestive processes and the digestibility of animal feed and fodder. Basic principles of the nutrition and nutritional requirements of companion animals and livestock. Basic composition of rations. Intensive and extensive feeding.

### Toegepaste molekulêre biologie 816 (VMB 816)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	MSc Tropiese dieregesondheid
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Skills training

Theoretical and practical study in the principles and applications of PCR, cloning and DNA sequencing techniques.

### One health 510 (VOH 510)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	7.00
<b>Programme</b>	BVSc
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes



**Aanbiedingstydperk** Semester 1

### Module-inhoud

Introduction to the One Health concept; emerging and endemic infectious diseases at human/animal interfaces; veterinary issues at human/wildlife interfaces in southern Africa; One Health approaches at human/animal/ecosystem interfaces; animal health, conservation and rural development at interfaces in southern Africa; communication and collaboration between multiple disciplines.

## Veterinêre fisiologie en histologie 200 (VPH 200)

**Kwalifikasie** Voorgraads

**Modulekrediete** 33.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** Semester 1: 8 lesings per week oor 14 weke, Semester 2: 9 lesings per week oor 14 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Anatomie en Fisiologie

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The light microscope, structure and function of cells and tissues, the endocrine system, the nervous system, the integument, muscle structure and function, haematology, the cardiovascular system, the respiratory system, metabolic pathways and the digestive system, the urinary system, the reproductive system, basic avian physiology and thermoregulation.

## General veterinary pharmacology 300 (VPH 300)

**Kwalifikasie** Voorgraads

**Modulekrediete** 14.00

**Programme** BVSc

**Voorvereistes** No prerequisites.

**Kontaktyd** 3 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar



## Module-inhoud

General principles of pharmaceuticals, pharmacokinetics, pharmacodynamics and pharmacotherapeutics. Regulatory control of veterinary medicines and dispensing requirements. A study of groups of functional, systemic and chemotherapeutic drugs utilised in general veterinary practice with emphasis on their pharmacological effects, general indication, safety and side effects.

## Veterinary public health 510 (VPH 510)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	14.00
<b>Programme</b>	BVSc
<b>Kontaktyd</b>	6 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The role of the veterinary surgeon in veterinary public health. Veterinary food hygiene and nutrition-related diseases of importance regarding food of animal origin. Meat and milk hygiene; all necessary measures, including legislation, to ensure that food of animal origin is safe, sound and wholesome at all stages of production and manufacture, up to the consumer. Veterinary aspects of environmental health. Zoonoses in veterinary science. Introduction of the use of laboratory animals in biomedical research and relevant aspects relating to animal welfare. Introduction to the social aspects of the human-animal interaction by protecting and promoting human health in communities, veterinary extension and risk communication.

## Veterinêre Volksgesondheid: Vleis Higiene 881 (VPH 881)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Programme</b>	MSc Veterinêre Openbare Gesondheid (Gedoseer)
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	10 praktiese sessies per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

A coherent and critical understanding and application of the theory and research methodologies and techniques relevant to all aspects of red meat hygiene relating to prevention and control of zoonoses and other diseases transmitted by meat, welfare of livestock, pre-harvesting, harvesting and post-harvesting aspects of red meat production, practical application of HACCP relating to the specific activities, prevention and control of chemical residues in meat, including veterinary drug residues and appropriate national and international legislation. An understanding of how these relate to applied research relevant to industry or public health (including the ability to select and apply research methods effectively). Ability must be shown to rigorously critique and evaluate current research and participate in scholarly debates in this area of specialisation. Ability must be demonstrated to relate theory to practice and vice versa and to think epistemologically.

## Veterinêre Volksgesondheid: Pluimvee Voedselgesondheid 882 (VPH 882)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	10 praktiese sessies per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademieorganisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Veterinêre Volksgesondheid: Melkigiëne 883 (VPH 883)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	40.00
<b>Programme</b>	<a href="#">MSc Veterinêre Openbare Gesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	10 praktiese sessies per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademieorganisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Veterinêre Volksgesondheid: Omgewingsgesondheid en Biosekuriteit 884 (VPH 884)

<b>Kwalifikasie</b>	Nagraads
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<b>Modulekrediete</b>	40.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	10 praktiese sessies per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

A coherent and critical understanding and application of the theory and research methodologies and techniques relevant to control of zoonoses of environmental origin, biosecurity relating to food of animal origin and management of disasters and emergencies involving animals and animal products, safe collection and disposal of animal carcasses, condemned meat or other animal products and animal wastes. The prevention, control and impact assessment of pollution by livestock production or industries, population control of animals in rural and urban environments to prevent zoonoses, occupational health of veterinary staff, management of the veterinary public health aspects of disasters and emergencies, evaluation of human-animal interactions and their impact on human health including animal facilitated therapy. An understanding of appropriate national and international legislation and how these relate to industry or public health (including ability to select and apply research methods effectively). Ability must be shown to rigorously critique and evaluate current research and participate in scholarly debates in this area of specialisation. Ability must be demonstrated to relate theory to practice and vice versa and to think epistemologically.

## Mini-dissertation: Veterinary public health (VPH 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	<a href="#">MSc Veterinêre Openbare Gesondheid (Gedoseer)</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Module-inhoud

Mini-dissertation

## Veterinary professional life 100 (VPL 100)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	2.00
<b>Programme</b>	<a href="#">BVSc</a>



<b>Kontaktyd</b>	Tweeweklikse lesings
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Jaar

#### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The focus of the five-year programme on veterinary professional life is on professional and competency development. It also aims to contribute to the development of competencies to enable veterinarians to be consummate professionals capable of dealing with the diverse challenges of professional and everyday life. The VPL 100 module specifically aims to expose students to the diversity of opportunities and career paths in the veterinary profession. It also provides a holistic introduction to human-animal interaction from a veterinary perspective, emphasising the role of animal ethics and welfare in veterinary science.

### Veterinêre professionele lewe (VPL 120)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	3.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 2

#### Module-inhoud

Veterinêre professionele blootstelling en vaardigheidsontwikkeling. Blootstelling aan die diverse geleentheid en loopbaanpaaie in die veeartsprofessie. Ontwikkeling van vaardighede wat die toekomstige veearts in staat stel om tot volle potensiaal in die professie en gemeenskap te ontwikkel.

### Veterinary professional life 121 (VPL 121)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	2.00
<b>Programme</b>	<a href="#">BVSc</a>
<b>Kontaktyd</b>	2 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1





## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The focus of the five-year programme on veterinary professional life is on professional and competency development. It also aims to contribute to the development of competencies to enable veterinarians to be consummate professionals capable of dealing with the diverse challenges of professional and everyday life. The VPL 121 module specifically aims to expose students to the diversity of opportunities and career paths in the veterinary profession

## Veterinêre professionele lewe 200 (VPL 200)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	7.00
<b>Programme</b>	BVSc
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Kontaktyd</b>	9 lesings per week
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Information management, societal roles and responsibilities of veterinarians, cultural diversity and group skills, leadership, stress management.

## Veterinary professional life 300 (VPL 300)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	10.00
<b>Programme</b>	BVSc
<b>Voorvereistes</b>	No prerequisites.
<b>Kontaktyd</b>	1 besprekingklas per week vir 7 weke, 2 lesings per week vir 28 weke
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Jaar



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module continues with aspects of leadership and diverse personality types and builds on the framework presented earlier in the modules VPL 120 and VPL 200. The aim is to evaluate personal growth during the preceding two years and formulate personal goals for the next two years. Emotional intelligence (EQ) is included in the module and deals with the core skills of self-awareness, self-management, social awareness and relationship management. The module also deals with communication-, conflict management- and negotiation skills with particular reference to the veterinary profession. The module is concluded with basic concepts of financial skills (personal financial fitness), e.g. budgeting (personal and organisational), balance sheets and financial statements (basic understanding) as a precursor to the teaching of more detailed business management principles in the module VPL 510.

## Veterinary professional life 400 (VPL 400)

**Kwalifikasie** Voorgraads

**Modulekrediete** 11.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 2 lesings per week vir 28 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Jaar

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The veterinarian in context: political roles and responsibilities; collegiality and professional associations; veterinary law and ethics; stressors and stress management.

## Veterinary business management 510 (VPL 510)

**Kwalifikasie** Voorgraads

**Modulekrediete** 10.00

**Programme** BVSc

**Kontaktyd** 3 lesings per week, 9 ander kontak sessies

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will deal with business management including basic financial reporting and development of a business plan. Marketing, promotion and sales will be studied in terms of marketing oneself and one's business. Human resources management will be approached from the perspective of staff recruitment and retention, work place discipline, as well as recognition and rewards for good work performance and application of the Labour Law in the work place. The module will be concluded with strategic client service and management that will focus on client satisfaction and dissatisfaction, approaches to deal with different categories of clients and compassion fatigue and its components.

## Navorsings Metodiek 811 (VRM 811)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	20.00
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1 en Semester 2

## Module-inhoud

Verwys asseblief na die Engelse weergawe van die Modulekatalogus vir die inhoud van hierdie module.

## Research methodology 812 (VRM 812)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	9.00
<b>Programme</b>	<a href="#">MSc Tropiese dieregesondheid</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Veterinêre Tropiese Siektes
<b>Aanbiedingstydperk</b>	Semester 1 en Semester 2

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

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.

## Research methodology 813 (VRM 813)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	0.00



MMedVet Anesthesiologie (Gedoseer)  
MMedVet Beelddiagnostiek  
MMedVet Beesgeneeskunde en Produksie (Gedoseer)  
MMedVet Farmakologie (Gedoseer)  
MMedVet Geslagskunde (Gedoseer)  
MMedVet Kleindierchirurgie (Gedoseer)  
MMedVet Kleindiergeneeskunde (Gedoseer)  
MMedVet Kleinveekuddegesondheid (Gedoseer)  
MMedVet Kliniese Laboratoriumdiagnostiek (Gedoseer)  
MMedVet Oftalmologie (Gedoseer)  
MMedVet Patologie (Gedoseer)  
MMedVet Perdechirurgie (Gedoseer)  
MMedVet Perdegeneeskunde (Gedoseer)  
MMedVet Plumveesiektes (Gedoseer)  
MMedVet Proefdierkunde (Gedoseer)  
MMedVet Toksikologie (Gedoseer)  
MMedVet Varkkuddegesondheid (Gedoseer)  
MMedVet Veterinêre Openbare Gesondheid (Gedoseer)  
MMedVet Wildsiektes (Gedoseer)  
MSc Herkouergesondheid (Gedoseer)  
MSc Natuurlewegesondheid, -ekologie en -bestuur  
MSc Veeartsenykunde Anatomie en Fisiologie  
MSc Veeartsenykunde Geselskapsdier Kliniese Studies  
MSc Veeartsenykunde Parakliniese Wetenskappe  
MSc Veeartsenykunde Produksiedierstudies  
MSc Veeartsenykunde Tropiese Siektes  
MSc Veterinêre Epidemiologie (Gedoseer)  
MSc Veterinêre Industriële Farmakologie (Gedoseer)  
MSc Veterinêre Openbare Gesondheid (Gedoseer)  
MSc Veterinêre Voortplanting (Gedoseer)

## Programme

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Semester 1 en Semester 2

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

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.

## Veterinary reproduction 400 (VRP 400)

**Kwalifikasie** Voorgraads

**Modulekrediete** 17.00

**Programme** BVSc

**Voorvereistes** Geen voorvereistes.



**Kontaktyd** 4 lesings per week, 2 praktiese oor 10 weke

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The female reproductive cycle; parturition and puerperium; control of reproduction; identification, diagnosis and treatment of important diseases or malfunctions of the female reproductive system; identification, diagnosis and treatment of conditions of the neonate; male reproductive processes; identification, diagnosis and treatment of important diseases or malfunctions of the male reproductive system; venereal diseases in domestic animals; optimisation of breeding; investigation of infertility; the Animal Improvement Act.

## Veterinêre Parasitologie 300 (VTP 300)

**Kwalifikasie** Voorgraads

**Modulekrediete** 22.00

**Programme** [BVSc](#)

**Voorvereistes** Geen voorvereistes.

**Kontaktyd** 10 prakties, 4 lesings per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

The objective of the module is to provide fundamentals of applied veterinary helminthology, ectoparasitology and protozoology as required by veterinarians. The module covers the life cycles, relevant morphological features, epidemiology and pathogenesis of important parasites of domestic animals. Candidates will also learn how to diagnose infections/infestations and diseases in life and dead animals as well as how to treat and control them. Where applicable, emphasis is also given on zoonotic implications.

## Veterinêre Volksgesondheid 800 (VVD 800)

**Kwalifikasie** Nagraads

**Modulekrediete** 270.00

**Programme** [MMedVet Veterinêre Openbare Gesondheid \(Gedoseer\)](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied



**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Specialised integration and application of knowledge within a single specific activity (core module) in Veterinary public health, including an approved research project.

## Miniverhandeling: Veterinêre Volksgesondheid 890 (VVD 890)

**Kwalifikasie** Nagraads

**Modulekrediete** 90.00

**Programme** [MMedVet Veterinêre Openbare Gesondheid \(Gedoseer\)](#)

**Voorvereistes** VRM 813

**Kontaktyd** 20 kontakure

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

## Miniverhandeling: Veterinêre Volksgesondheid 895 (VVD 895)

**Kwalifikasie** Nagraads

**Modulekrediete** 100.00

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Parakliniese Wetenskappe

**Aanbiedingstydperk** Jaar

## Verhandeling: Veterinêre Tropiese Siektes 801 (VWE 801)

**Kwalifikasie** Nagraads

**Modulekrediete** 180.00

**Programme** [MSc Veeartsenykunde Tropiese Siektes](#)

**Voorvereistes** VRM 813

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Jaar



### Verhandeling: Anatomie en Fisiologie 802 (VWE 802)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	180.00
<b>Programme</b>	<a href="#">MSc Veeartsenykunde Anatomie en Fisiologie</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Anatomie en Fisiologie
<b>Aanbiedingstydperk</b>	Jaar

### Verhandeling: Geselskapsdier Kliniese Studies 803 (VWE 803)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	180.00
<b>Programme</b>	<a href="#">MSc Veeartsenykunde Geselskapsdier Kliniese Studies</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Geselskapsd Klin Stud
<b>Aanbiedingstydperk</b>	Jaar

### Verhandeling: Parakliniese Wetenskappe 804 (VWE 804)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	180.00
<b>Programme</b>	<a href="#">MSc Veeartsenykunde Parakliniese Wetenskappe</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Verhandeling: Produksiedier Studies 805 (VWE 805)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	180.00
<b>Programme</b>	<a href="#">MSc Veeartsenykunde Produksiedierstudies</a>
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied



**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### Proefskrif: Veterinere Tropiese Siektes 901 (VWE 901)

**Kwalifikasie** Nagraads

**Modulekrediete** 360.00

**Programme** [PhD Veterinêre Tropiese Siektes](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Veterinêre Tropiese Siektes

**Aanbiedingstydperk** Jaar

### Proefskrif: Anatomie en Fisiologie 902 (VWE 902)

**Kwalifikasie** Nagraads

**Modulekrediete** 360.00

**Programme** [PhD Anatomie en Fisiologie](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Anatomie en Fisiologie

**Aanbiedingstydperk** Jaar

### Proefskrif: Geselskapsdierstudies 903 (VWE 903)

**Kwalifikasie** Nagraads

**Modulekrediete** 360.00

**Programme** [PhD Geselskapsdier Kliniese Studies](#)

**Voorvereistes** Geen voorvereistes.

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Geselskapsd Klin Stud

**Aanbiedingstydperk** Jaar

### Proefskrif: Parakliniese Wetenskappe 904 (VWE 904)

**Kwalifikasie** Nagraads

**Modulekrediete** 360.00





<b>Programme</b>	PhD Parakliniese Wetenskappe
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Parakliniese Wetenskappe
<b>Aanbiedingstydperk</b>	Jaar

### Proefskrif: Produksiedierstudies 905 (VWE 905)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	360.00
<b>Programme</b>	PhD Produksiedierstudies
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Basiese beginsels van weidingkunde 251 (WDE 253)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	18.00
<b>Diensmodules</b>	Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Geen voorvereistes.
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Plantproduksie en Grondkunde
<b>Aanbiedingstydperk</b>	Semester 1

#### Module-inhoud

Die invloed van biotiese en abiotiese faktore op die produksie van verskillende strata en komponente van natuurlike en aangeplante weidings. Die student sal hiermee instaat gestel word, om die bestuur, die geskikte en optimal gebruik, sowel as die bewaring van hierdie weidings te verstaan. Hierdie beginsels kan gebruik word om volhoubare diere produksie en gesondheid te verseker.

### Veterinêre wildstudies 800 (WLS 800)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	270.00
<b>Programme</b>	MMedVet Wildsiektes (Gedoseer)
<b>Voorvereistes</b>	Geen voorvereistes.



**Kontaktyd** 5 praktiese sessies per week, 1 seminaar per week, 1 besprekingsklas per week

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Jaar

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Broad-based, in-depth theoretical and practical training with emphasis on the skills required to capture, transport and manage free-ranging and captive animals with due consideration of conservation ecology, the interaction of wildlife and domestic animals and the control of diseases of wildlife.

## Wildlife health advanced 810 (WLS 810)

**Kwalifikasie** Nagraads

**Modulekrediete** 20.00

**Programme** [MSc Natuurlwegesondheid, -ekologie en -bestuur](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1

### Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This in depth module covers wildlife diseases within the fields of identification, pathology, diagnostics and prevention. It also will cover epidemiology including geographical information systems, and an introduction to certain statistical methods commonly used in veterinary science, and will provide the basis for further studies and research involving these techniques. "One Health" philosophy and practices with a focus on community impacts of wildlife management practices will also be covered. It provides the student with good insight into the important infectious, non-infectious and parasitic diseases.

## Transfrontier parks and conservation 811 (WLS 811)

**Kwalifikasie** Nagraads

**Modulekrediete** 15.00

**Programme** [MSc Natuurlwegesondheid, -ekologie en -bestuur](#)

**Onderrigtaal** Module word in Engels aangebied

**Akademiese organisasie** Produksiedierstudies

**Aanbiedingstydperk** Semester 1



## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

Community engagement issues will be covered including community based natural resource management, community research and feedback and human wildlife conflict. Conservation (principles, animal protection methods, forensics and illegal wildlife trade), economics (basic economics, trade, wildlife income systems, marketing and funding), human resources, strategy, leadership and entrepreneurship will also be covered. The students will be exposed to a broad overview and detailed case-studies relevant to areas transfrontier conservation areas in sub-Saharan Africa.

## Wildlife health introduction 812 (WLS 812)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	15.00
<b>Programme</b>	<a href="#">MSc Natuurlewegesondheid, -ekologie en -bestuur</a>
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This elective module is an introduction to wildlife diseases for students that have not done a veterinary degree. It provides students with an understanding of different disease groups, their life cycles, their pathogenesis, how they are identified and legislation relevant to disease control. It also covers Primary animal health care and veterinary public health relevant to wildlife management.

## Wildlife veterinary specific 813 (WLS 813)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	15.00
<b>Programme</b>	<a href="#">MSc Natuurlewegesondheid, -ekologie en -bestuur</a>
<b>Voorvereistes</b>	BVSc of ekwivalent
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Semester 1

## Module-inhoud

\*Hierdie inligting is slegs in Engels beskikbaar.

This module will cover veterinary relevant topics to wildlife management and conservation areas such as disease diagnoses, treatment, prevention, immobilisation, tranquilisation and reproductive management as well as veterinary specific legislation. This module is for veterinary practitioners who want to focus their skills and careers in wildlife and conservation practice.



### Mini-dissertation: Wildlife health, ecology and management 890 (WLS 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	MSc Natuurlewegesondheid, -ekologie en -bestuur
<b>Diensmodules</b>	Fakulteit Natuur- en Landbouwetenskappe
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Miniverhandeling: Wildsiektes 890 (WSK 890)

<b>Kwalifikasie</b>	Nagraads
<b>Modulekrediete</b>	90.00
<b>Programme</b>	MMedVet Wildsiektes (Gedoseer)
<b>Voorvereistes</b>	VRM 813
<b>Onderrigtaal</b>	Module word in Engels aangebied
<b>Akademiese organisasie</b>	Produksiedierstudies
<b>Aanbiedingstydperk</b>	Jaar

### Wiskunde 134 (WTW 134)

<b>Kwalifikasie</b>	Voorgraads
<b>Modulekrediete</b>	16.00



BCom Ekon en Bestuurswetenskappe  
BCom Ekonomie  
BCom Statistiek  
BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BIT Inligtingtegnologie  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Bourekenkunde  
BSc Dierkunde  
BSc Eiendomwese  
BSc Ekologie  
BSc Entomologie  
BSc Genetika  
BSc Geografie  
BSc Geoinformatika  
BSc Inligting- en Kennisstelsels  
BSc Konstruksiebestuur  
BSc Kulinêre Wetenskap  
BSc Mediese Wetenskappe  
BSc Mensfisiologie  
BSc Mensfisiologie, Genetika en Sielkunde  
BSc Mensgenetika  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Rekenaarwetenskap  
BSc Voeding  
BSc Voedselwetenskap  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde

## Programme

<b>Diensmodules</b>	Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie Fakulteit Opvoedkunde Fakulteit Veeartsenykunde
<b>Voorvereistes</b>	Verwys na Regulasie 1.2: 'n Kandidaat moet Wiskunde met ten minste 50% geslaag het in die G12-eksamen
<b>Kontaktyd</b>	1 tutoriaal per week, 4 lesings per week
<b>Onderrigtaal</b>	Aparte klasse vir Engels en Afrikaans
<b>Akademiese organisasie</b>	Wiskunde en Toegepaste Wisk
<b>Aanbiedingstydperk</b>	Semester 1



## Module-inhoud

\*Studente sal nie vir meer as een van die volgende modules krediet ontvang vir hul graad nie: WTW 134, WTW 165, WTW 114, WTW 158. WTW 134 gee nie toelating tot Wiskunde op 200-vlak nie en is vir studente wat Wiskunde slegs op 100-vlak benodig. WTW 134 word in die tweede semester as WTW 165 aangebied slegs vir studente wat in die eerste semester aansoek gedoen het vir die ongeveer 65 MBChB, of 5-6 BChD plekke wat in die tweede semester beskikbaar word en wat dus ook ingeskryf was vir MGW 112 in die eerste semester van die huidige jaar.

Funksies, afgeleides, interpretasie van die afgeleide, differensiasiereëls, toepassings van differensiasie, integrasie, interpretasie van die bepaalde integraal, toepassings van integrasie. Matrikse, oplossings van stelsels vergelykings. Alle onderwerpe word in die konteks van toepassings behandel.

## Diereverskeidenheid 161 (ZEN 161)

**Kwalifikasie** Voorgraads

**Modulekrediete** 8.00

### Programme

BEd Seniorfase en Verdere Onderwys en Opleiding-onderwys  
BSc Biochemie  
BSc Biologiese Wetenskappe  
BSc Biotegnologie  
BSc Chemie  
BSc Dierkunde  
BSc Ekologie  
BSc Entomologie  
BSc Genetika  
BSc Mensfisiologie  
BSc Mensgenetika  
BSc Mikrobiologie  
BSc Omgewingswetenskappe  
BSc Plantkunde  
BSc Verlengde program - Biologiese en Landbouwetenskappe  
BSc Voedselwetenskap  
BScAgric Landbou-ekonomie en Agribesigheidsbestuur  
BScAgric Plantpatologie  
BScAgric Toegepaste Plant- en Grondwetenskappe  
BScAgric Vee- en Weidingkunde  
BScAgric Veekunde  
BVSc

**Diensmodules** Fakulteit Opvoedkunde  
Fakulteit Veeartsenykunde

**Voorvereistes** MLB 111 GS of TDH

**Kontaktyd** Prakties tweeweekliks, 2 lesings per week

**Onderrigtaal** Aparte klasse vir Engels en Afrikaans

**Akademiese organisasie** Dierkunde en Entomologie

**Aanbiedingstydperk** Semester 2



## Module-inhoud

Diere-klassifikasie, filogenie, organisasie en terminologie. Evolusie van die verskillende diere-filums, morfologiese eienskappe en lewensiklusse van parasitiese en nie-parasitiese diere. Struktuur en funksie van voortplanting, respirasie, uitskeiding, bloedsomloop en verteringsisteme.

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Die inligting wat hier verskyn, is onderhewig aan verandering en kan na die publikasie van hierdie inligting gewysig word.. Die [Algemene Regulasies \(G Regulasies\)](#) is op alle fakulteite van die Universiteit van Pretoria van toepassing. Dit word vereis dat elke student volkome vertrouwd met hierdie regulasies sowel as met die inligting vervat in die [Algemene Reëls](#) sal wees. Onkunde betreffende hierdie regulasies en reëls sal nie as 'n verskoning by oortreding daarvan aangebied kan word nie.