



# University of Pretoria Yearbook 2016

## BVeterinary Science Veterinary Science (08130004)

**Duration of study** 6 years

**Total credits** 948

### Programme information

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.

### Admission requirements

**All study programmes in this Faculty include selection procedures which are based on academic merit the result of the National Benchmark Test (NBT) and a value-added form. Applicants who indicate BVSc or DipVetNurs as their first choice will be given preference. In order to retain provisional admission candidates should still comply with the minimum subject and Admission Point Score (APS) requirements based on their National Senior Certificate (NSC) results.**

- In order to register for the University degree or diploma NSC/IEB/Cambridge candidates must comply with the minimum requirements for degree studies as well as the minimum requirements of the study programme.
- Life Orientation is excluded when calculating the APS.

Minimum requirements for 2016												
Achievement level												
English				Mathematics				Physical Science				APS
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

The NBT and the value-added questionnaire are compulsory components of the selection process. Applicants with an APS between 30 and 32 will be considered for access into the BSc (Four-year Programme) – Biological and Agricultural Sciences. Candidates in this category are admitted into the second semester of the first year of BVSc, after successful completion of the first three semesters of the BSc (Four-year Programme).

### School-leavers

A valid National Senior Certificate (NSC) with admission for degree purposes.



- Subject requirements and an Admission Point Score (APS) as indicated. The APS is calculated from the achievement levels obtained in the six 20-credit subjects of the NSC.
- A completed National Benchmark Test (NBT). Basic performance in any component of this test is regarded as unacceptable.
- Completed value-added form.

### **Applicants with tertiary exposure**

There is an opportunity for students with previous tertiary experience to also apply for the BVSc study programme. Placement in either the first or second year of the BVSc study programme will depend on, among others, merit and subject choices.

### **International students**

A small number of international students may be admitted to the study programme, mainly those from neighbouring Southern African Development Community (SADC) countries. For matriculation exemption requirements and the calculation of the APS, please refer to pages 12 and 13 of this brochure. Equivalency of academic credits will be taken into account. Once applicants have been accepted for this study programme, they will receive a letter of acceptance from the University, which will facilitate their application for a study permit. A valid study permit, obtained in the country of origin, is a prerequisite for registration.

## **Additional requirements**

Admission will be subject to selection and the availability of places.

Applicants with an APS between 30 and 32 will be considered for access into the BSc (Four-year programme) – Biological and Agricultural Sciences. Selected candidates in this category are admitted into the second semester of the first year of BVSc after successful completion of the first three semesters of the BSc (Four-year programme). These applicants must achieve a minimum score of 4 in both Mathematics, Physical Science and English.

## **Other programme-specific information**

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.

## **Examinations and pass requirements**

- (i) The General Regulation G.10.1 concerning satisfactory attendance, preparation and payment of module fees, applies to examination, promotion and attendance modules. Attendance at all lectures, practical classes, clinics (including clinical orientation and holiday clinics) and excursions is compulsory. Any form of absence must be justified by submission of a medical certificate or another acceptable form of evidence. Failure to comply may lead to examination refusal.
- (ii) Admission to the examinations in some modules is subject to specific requirements – consult study guides.



The weighting of semester/year marks in the calculation of the final mark shall be 50%.

(iii) A student is required to obtain a subminimum of 40% in the examination as well as a final mark of at least 50% to pass a module. A subminimum of 40% in subdivisions of theoretical and/or practical examinations may be required as stipulated by the Dean in consultation with the head of department concerned, and as set out in the annual study guide. In terms of the General Regulation G.10.4, a semester mark or year mark of at least 50% must be obtained in attendance modules. The stipulations of the General Regulations G.12.1 to G.12.5 also apply.

A student must pass all the modules of the respective previous year of study in order to be promoted to the subsequent year of study, as well as to the clinical rotations. A single further examination will, however, be allowed for students who have only one of the following modules in the new programme outstanding at the end of the relevant academic year, provided the final mark is at least 40%:

- ANV 420 Anaesthesiology
- CLP 410 Clinical pathology
- GNS 320 General surgery
- VEM 210 Veterinary microbiology
- VIM 220 Veterinary immunology

(iv) A student who fails a module or modules in a year of study, has to repeat, subject to the stipulations of the General Regulations G.11.2 (a) to (c) and Regulation V.1(c)(ix), all the modules for that particular year of study, except modules which were passed with a final mark of at least 65%, for which full exemption is granted.

Provisional exemption is granted for an examination module passed with a final combined mark of less than 65%. This implies that at least 80% of the practical periods have to be attended and that a year/semester mark of at least 50% has to be obtained through the completion of all scheduled assessments, tests, tasks, etc., in order to obtain exemption from the examination in those modules at the end of the repeat semester/year. Examinations are compulsory in all the modules previously failed, as well as in those modules in which exemption from the examination has not been obtained. If a student fails any of these examinations (or supplementary examination), he or she will not be allowed to continue their studies in the Faculty [see V.1(c)(x)].

(v) No limit is placed on the number of modules in which supplementary examinations may be done, except in the final year of study. The nature and date of supplementary examinations are determined by the Dean in consultation with the head of department.

(vi) 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.

(vii) Subject to the General Regulation, G.12.4.3, a minimum of 50% is required to pass a supplementary examination. The semester or year mark is not taken into account.

(viii) In addition to the stipulations of the General Regulation, G.3.2(b), a student will not be allowed to repeat the same year of study more than once.

(ix) A student who has to discontinue his or her studies in terms of stipulations (v) and (ix) above, may request the Dean in writing to consider his or her application for readmission 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.

(x) Repetition of the final year of study: Students who have failed more than two modules at the time of the Examination Commission meeting, must repeat the final year of the curriculum with due cognisance of rule V.1(c)(v), unless the Dean decides otherwise.



## Practical/clinical/internship information

### **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.

## Pass with distinction

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.



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## Curriculum: Year 1

**Minimum credits: 146**

### Fundamental modules

Academic information management 101 (AIM 101) - Credits: 6.00

Language and study skills 110 (LST 110) - Credits: 6.00

Academic orientation 108 (UPO 108) - Credits: 0.00

### Core modules

Biometry 120 (BME 120) - Credits: 16.00

General chemistry 117 (CMY 117) - Credits: 16.00

General chemistry 127 (CMY 127) - Credits: 16.00

Introductory genetics 161 (GTS 161) - Credits: 8.00

Molecular and cell biology 111 (MLB 111) - Credits: 16.00

Medical terminology 180 (MTL 180) - Credits: 12.00

Physics for biology students 131 (PHY 131) - Credits: 16.00

Mathematics 134 (WTW 134) - Credits: 16.00

Animal diversity 161 (ZEN 161) - Credits: 8.00

Veterinary professional life 120 (VPL 120) - Credits: 3.00



## Curriculum: Year 2

**Minimum credits: 149**

### Core modules

- Veterinary ethology and genetics 200 (VET 200) - Credits: 23.00
- Animal science 210 (VKU 210) - Credits: 12.00
- Animal science 220 (VKU 220) - Credits: 12.00
- Animal science 222 (VKU 222) - Credits: 6.00
- Basic principles of pasture science 253 (WDE 253) - Credits: 18.00
- Veterinary comparative anatomy 200 (VCA 200) - Credits: 38.00
- Veterinary physiology and histology 200 (VPH 200) - Credits: 33.00
- Veterinary professional life 200 (VPL 200) - Credits: 7.00
- Veterinary immunology 220 (VIM 220) - Credits: 6.00
- Veterinary microbiology 210 (VEM 210) - Credits: 6.00



## Curriculum: Year 3

**Minimum credits: 139**

### Core modules

General and organ pathology 300 (GOP 300) - Credits: 30.00

Veterinary toxicology 300 (TOX 300) - Credits: 14.00

Veterinary parasitology 300 (VTP 300) - Credits: 22.00

General surgery 320 (GNS 320) - Credits: 7.00

General veterinary pharmacology 300 (VPH 300) - Credits: 14.00

Introductory veterinary diagnostics 300 (IVD 300) - Credits: 28.00

Veterinary infectious diseases 300 (VIP 300) - Credits: 14.00

Veterinary professional life 300 (VPL 300) - Credits: 10.00



## Curriculum: Year 4

**Minimum credits: 150**

### Core modules

Anaesthesiology 420 (ANV 420) - Credits: 7.50

Clinical pathology 410 (CLP 410) - Credits: 7.00

Diagnostic imaging 400 (DIM 400) - Credits: 17.00

Diagnostic pathology 400 (DPT 400) - Credits: 16.00

Equine medicine and surgery 410 (EQM 410) - Credits: 14.00

Porcine health and production 420 (PHP 420) - Credits: 5.00

Small animal medicine and surgery 400 (SAS 400) - Credits: 50.00

Veterinary professional life 400 (VPL 400) - Credits: 11.00

Veterinary reproduction 400 (VRP 400) - Credits: 17.00

Poultry health and production 420 (PLY 420) - Credits: 5.00





## Curriculum: Year 5

**Minimum credits: 380**

### Core modules

Bovine health and production 510 (BHP 510) - Credits: 25.00

Veterinary epidemiology 510 (EPL 510) - Credits: 10.00

Small stock health and production 510 (SSH 510) - Credits: 25.00

Veterinary business management 510 (VPL 510) - Credits: 10.00

One health 510 (VOH 510) - Credits: 7.00

Veterinary public health 510 (VPH 510) - Credits: 14.00

Diagnostic pathology 510 (DPT 510) - Credits: 9.00

Veterinary core practice 601 (VCP 601) - Credits: 53.00

Veterinary elective practice 601 (VEP 601) - Credits: 40.00



## Curriculum: Final year

**Minimum credits: 280**

### Core modules

[Veterinary core practice 602 \(VCP 602\)](#) - Credits: 53.00

[Veterinary core practice 603 \(VCP 603\)](#) - Credits: 54.00

[Veterinary elective practice 602 \(VEP 602\)](#) - Credits: 40.00

[Veterinary elective practice 603 \(VEP 603\)](#) - Credits: 40.00

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