

**VETE1BA**

2013 - 2014

Bachelor in Veterinary Medicine

**At Louvain-la-Neuve - 180 credits - 3 years - Day schedule - In french**Dissertation/Graduation Project : **NO** - Internship : **YES**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences vétérinaires**Organized by: **Faculté des sciences (SC)**Programme code: **vete1ba** - European Qualifications Framework (EQF): 6**Table of contents**

Introduction .....	2
Admission .....	3
Information .....	5
- Learning outcomes .....	5
- Teaching method .....	5
- Evaluation .....	5
- Mobility and/or Internationalisation outlook .....	5
- Possible trainings at the end of the programme .....	5
Contacts .....	6
Detailed programme .....	7
- Programme structure .....	7
- Programme by subject .....	7
- Programme year by year .....	11
- VETE1BA - First year .....	11
- VETE1BA - Second year .....	12
- VETE1BA - Third year .....	13

## VETE1BA - Introduction

## VETE1BA - Admission

Decree of March 31st 2004 defining higher education and favoring the integration of higher education and university refinancing in the European area)

The admission conditions must be fulfilled at the time of [enrolment at university](#).

[> General Condition](#)

[> Special Conditions](#)

[> Knowledge of the French language exam](#)

### General Conditions

Except as otherwise provided by other special legal provisions and with a view to obtaining the academic degree that recognises them, admission to undergraduate courses is granted to students with either:

- A certificate of Further Secondary Education issued from the academic year 1993–1994 by a fully fledged secondary education establishment or a school of Continuing Education in the French Community and approved by the Board created for that purpose, and holders of the same certificate issued from the 1994 calendar year by the education board of the French Community;
- or a certificate of Further Secondary Education issued not later than the end of the school year 1992–1993 accompanied, for admission to degree-length undergraduate studies, by a proficiency diploma giving access to higher education;
- or a diploma issued by a higher education establishment of the French Community recognising an academic degree, or a diploma issued by a university institution or an establishment dispensing full-time higher education under previous legislation;
- or a higher education certificate issued by an improvement courses establishment;
- a pass certificate for one of the [entrance examinations](#) co-ordinated by the higher education establishments or by a French Community education board and whose curricula are approved by the Government after consultation, according to the sector, with the Interuniversity Council of the French Community (Conseil interuniversitaire de la Communauté française – CIUF) or the General Council of the Hautes Ecoles (Conseil général des Hautes Ecoles – CGHE); this certificate gives admission to studies in relevant sectors or fields;
- or a diploma, certificate or secondary school certificate similar to those mentioned above issued by the Flemish Community (this certificate does not give exemption from the [French Language Proficiency](#) exam), by the German-speaking Community or the Royal Military School;
- of a diploma, certificate or secondary school certificate outside Belgium and recognised as equivalent to those mentioned above.

Requests for equivalence must be submitted to the [Service des équivalences](#) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium before 15 July 2013.

Notes: the two following certificates are automatically recognised as equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS): the European baccalaureat issued by the High Council of European Schools; the international baccalaureate issued by the International Baccalaureate Office, Geneva.

However, neither certificate automatically gives exemption from the [French Language Proficiency](#) exam;

- or a proficiency diploma giving access to higher education (diplôme d'aptitude à accéder à l'enseignement supérieur – DAES) conferred by the French Community examination board.

### Exam of knowledge of the French language

Anyone not demonstrating sufficient [French language proficiency](#) will not be admitted to the first-year undergraduate examinations.

### Special Conditions

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these studies is always subject to passing the special entrance examination. The contents of the programme and the form of the examination may be obtained from the Secretariat of this faculty.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses (non-residents).

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In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail

## VETE1BA - Information

### Learning outcomes

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The first year of studies focuses on the acquisition of the core skills and knowledge in the basic sciences such as Chemistry, Biology, Mathematics and Physics.

The general objective of the second and third years is to give the students a solid grounding in the various aspects of the Biology of the most common healthy domestic animals (horses, bovines, ovines, pigs and birds). The courses are conceived in a complementary manner so that the student can integrate them into a coherent ensemble, by means of his individual work and self-study.

In addition to these studies, the bachelor's programme in Veterinary Medicine will enable the student to acquire expertise in documentary research, and in computer-aided preparation and presentations of written and oral reports in French and English.

### Teaching method

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Des séances sont organisées au cours de la première année autour des questions de méthode de travail, par exemple la gestion du temps ou la manière d'aborder les différentes matières.

Outre des rapports à remettre ou des contrôles de connaissances au début de certaines séances de laboratoires, des interrogations obligatoires intervenant dans la note finale de chaque matière sont organisées après un mois de cours au premier quadrimestre.

Les exercices et laboratoires sont organisés en petits groupes et sont encadrés par des assistants. Les monitorats permettent à ceux qui le souhaitent de faire le point sur les matières vues au cours : les enseignants de chaque discipline répondent aux questions des étudiants et expliquent les points moins bien compris.

La plupart des enseignements disposent également d'un site internet ou est déposée une série d'informations utiles pour l'étude.

### Evaluation

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Différentes modalités sont mises en oeuvre pour l'évaluation des connaissances et des compétences acquises au cours de la formation; elles sont adaptées aux types de prestations : évaluation continue notamment pour les exercices pratiques, évaluation des travaux personnels et de groupe, évaluation globale (écrite et/ou orale) durant les sessions d'examens.

### Mobility and/or Internationalisation outlook

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Sauf cas exceptionnels, la mobilité internationale n'est recommandée que dans le cadre des programmes de master.

### Possible trainings at the end of the programme

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## VETE1BA - Contacts

### Curriculum Managment

Entite de la structure VETE

Acronyme	<b>VETE</b>
Dénomination	Ecole de médecine vétérinaire
Adresse	Croix du sud, 4-5 bte L7.07.10 1348 Louvain-la-Neuve
Site web	<a href="https://www.uclouvain.be/319431.html">https://www.uclouvain.be/319431.html</a>
Secteur	Secteur des sciences et technologies ( <b>SST</b> )
Faculté	Faculté des sciences ( <b>SC</b> )
Commission de programme	Ecole de médecine vétérinaire ( <b>VETE</b> )

### Jury

Président des jurys d'examens de 1<sup>ère</sup>, 2<sup>ème</sup> et 3<sup>ème</sup> années : **André Moens**

Secrétaire du jury de 1<sup>ère</sup> année : **Andre Lejeune**

Secrétaire du jury de 2<sup>ème</sup> année : **Yves-Jacques Schneider**

Secrétaire du jury de 3<sup>ème</sup> année : **Françoise Gofflot**

### Usefull Contacts

## VETE1BA - Detailed programme

### Programme structure

This three year programme consists of an ensemble of courses related to the basic sciences (Biology, Chemistry, Mathematics, Physics), to Philosophy, Sciences common to the different branches of "living organisms" (Biochemistry, Genetics, Biostatistics, Microbiology, Immunology, General Histology, etc.) and the more specific veterinary sciences (Anatomy, Embryology, Physiology, Histology and Ethology of domestic animals and Ethnography and Vegetal Biology related to breeding, etc.).

The proportion of specific veterinary courses increases progressively from the first to the third year of the bachelor's programme.

It is important to note that the vast majority of the theoretical sessions are complemented by practical exercises (TP) or by task-based periods. These "TP" take place in very well-equipped, modern teaching laboratories, in the presence of the lecturers or their assistants.

In the context of the language training focus, each year of the bachelor's programme integrates a block of periods in English, with the last session, in the 3rd year, including a presentation in English on a biological topic.

#### Principal Subjects

Biology A) Cellular Biology and introduction to prokaryotes, protists and mycetes; B) Vegetal Biology; C) Animal Biology (11 credits)  
Vegetal Biology applied to breeding (2 credits) Complements in Animal Biology - Nervous System (2 credits)

Physics General Physics and elements of Mathematics (22 credits) Biophysics (6 credits)

Chemistry and Biochemistry General Chemistry (9 credits) Organic Chemistry (10 credits) Biochemistry (4 credits) Metabolic Biochemistry (3 credits)

Anatomy and Embryology of Domestic Animals (33 credits)

Animal Biochemistry, Physiology and Histology Animal Biochemistry, Physiology and Histology (6 credits) Animal Biochemistry (2 credits) Physiology of Domestic Animals (13 credits) Special Histology and Domestic Animals (9 credits) Animal Cellular Biology (2 credits)

Biostatistics (8 credits)

Immunology (3 credits)

Microbiology (4 credits)

Ethology (4 credits)

Genetics (5 credits)

Ethnography (5 credits)

Integrated Seminars (2 credits)

Philosophy (2 credits)

Computing Science (2 credits)

English (6 credits)

Integrated practical work (5 credits)

### Programme by subject

Year

1 2 3

#### o **Biologie (15 credits)**

LBIO1111A	Cell biology and introduction to prokaryotes, protists and fungi	André Lejeune	37.5h +18h	5 Credits	1q	x		
LBIO1111C	Animal biology	Jean-François Rees	30h+10h	3 Credits	2q	x		

						Year		
						1	2	3
○ LVET1111	Plant biology applied to breeding	André Moens	22.5h +15h	3 Credits	2q	x		
○ LVET1312	Ecologie appliquée aux animaux domestiques	Isabelle Donnay (coord.)	30h+12h	4 Credits	2q			x

### ○ Physique (18 credits)

○ LPHY1114	General Physics and elements of Mathematics 1	Thierry Delbar	45h+45h	9 Credits	1q	x		
○ LPHY1115	General Physics and elements of Mathematics 2	Thierry Delbar	45h+45h	9 Credits	2q	x		

### ○ Chimie et biochimie (22 credits)

○ LCHM1113	General Chemistry	Bernard Tinant	45h+45h	8 Credits	1q	x		
○ LCHM1142	Organic Chemistry	Jean-François Gohy	45h+45h	8 Credits	2q	x		
○ LCHM1271V	Eléments de biochimie	Patrice Soumillion	20h	2 Credits	1q		x	
○ LCHM1371B	Biochimie métabolique	Yves-Jacques Schneider	30h+15h	4 Credits	2q		x	

### ○ Anatomie et Embryologie (28 credits)

○ LVET1141	Anatomie des animaux domestiques I	André Moens	45h +37.5h	8 Credits	2q	x		
○ LVET1241A	Anatomie des animaux domestiques II (1e partie)	André Moens	40h+35h	6 Credits	1q		x	
○ LVET1241B	Anatomie des animaux domestiques II (2e partie)	André Moens	35h+40h	7 Credits	2q		x	
○ LVETE1250	Embryology of Domestic Animals	André Moens	30h+4h	4 Credits	1q		x	
○ LVETE1342	Anatomy of Domestic Animals	André Moens	22.5h +22.5h	3 Credits	2q			x

### ○ Biochimie, physiologie et histologie animales (39 credits)

○ LBIO1232A	Physiologie et histologie animales : histologie	Bernard Knoops	20h+20h	4 Credits	1q		x	
○ LVETE1390	Histologie spéciale et des animaux domestiques	Françoise Gofflot	45h+60h	8 Credits	1q			x
○ LBRAL2102F	Biochimie physiologique et nutritionnelle: parties 1, 2 et 3	Yvan Larondelle, Yves-Jacques Schneider	24h	2 Credits	1q			x
○ LVET1295	Biologie cellulaire animale	Isabelle Donnay, Bernard Knoops, Yves-Jacques Schneider	22.5h	3 Credits	2q		x	
○ LVET1296	Physiologie générale	Isabelle Donnay	22.5h+6h	3 Credits	2q		x	
○ LBIO1338	Travaux pratiques intégrés de physiologie, histologie et biochimie animales	Bernard Knoops, Jean-François Rees (coord.), Yves-Jacques Schneider	0h+22.5h	2 Credits	2q			x
○ LVET1374	Physiologie digestive et nutrition des animaux domestiques	Cathy Debier, Yvan Larondelle	60h+4h	6 Credits	2q			x
○ LVETE1373	Physiology of Domestic Animals	Cathy Debier, Isabelle Donnay	90h+24h	11 Credits	1q			x

### ○ Biostatistique (7 credits)

○ LVETE1262	Biostatistics	Frédéric André (compensates Catherine Legrand), Catherine Legrand	45h+30h	7 Credits	1q		x	
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### ○ Immunologie (7 credits)

○ LBIO1335	Immunology	Jean-Paul Dehoux	25h+15h	4 Credits	1q		x	
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Year

1 2 3

○ LVET1243	Epidémiologie et initiation à la santé publique vétérinaire	Jean-Paul Dehoux, Isabelle Donnay (coord.), null SOMEBODY	25h+4h	3 Credits	2q	x		
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### o Microbiologie (8 credits)

○ LBIO1311	Microbiology and virology	Claude Bragard, Pierre Wattiau	40h+15h	5 Credits	1q			x
○ LVET1311	Parasitologie et mycologie	Isabelle Donnay (coord.), Tanguy Marcotty	25h+7h	3 Credits	2q			x

### o Ethologie (4 credits)

○ LVETE1230	Domestic Animals Ethology	Marc Vandenheede	30h+15h	4 Credits	2q		x	
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### o Génétique (5 credits)

○ LBIR1322	General genetics	Philippe Baret	45h+15h	5 Credits	2q			x
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### o Ethnographie (6 credits)

○ LVET1280	Ethnographie et appréciation des animaux domestiques	Christophe Boccart, Marc Vandenheede	45h+20h	6 Credits	2q		x	
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### o Philosophie (2 credits)

○ LSC1120	Philosophy	Bernard Feltz	30h	2 Credits	1q	x		
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### o Informatique (2 credits)

○ LSC1181V	Informatique et recherche documentaire	Marie-Anne Van Hove	10h+10h	2 Credits	1q	x		
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### o Séminaires et exercices intégrés (7 credits)

○ LVETE1300	Integrated Seminars	André Moens (coord.), René Rezsóhazy, Patrice Soumillion, Renate Wesselingh	0h+25h	2 Credits	2q			x
○ LVETE1381	Integrated exercises	Cathy Debier, Jean-Paul Dehoux, Isabelle Donnay (coord.), Françoise Gofflot, Bernard Knoops, Yvan Larondelle, André Moens, René Rezsóhazy	0h+50h	5 Credits	2q			x

### o Anglais (8 credits)

○ LANG1861	English: reading and listening comprehension of scientific texts	Ahmed Adriouèche, Fanny Desterbecq, Charlotte Peters (coord.), Annick Sonck	10h	3 Credits	2q	x		
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						Year		
						1	2	3
○ LANG1862	English: reading and listening comprehension of scientific texts	Ahmed Adriouèche (coord.), Isabelle Druant, Katherine Opello, Annick Sonck	30h	3 Credits	1q		x	
○ LANG1863	English for Political Science (Upper-Intermediate level)	Ahmed Adriouèche (coord.), Fanny Desterbecq (coord.), Marielle Henriët (coord.), Susan Jackman, Sabrina Knorr (coord.), Nevin Serbest, Françoise Stas (coord.)	30h	2 Credits				x

### ○ Stage (2 credits)

○ LVET1244	Initiation à la ruralité et stage d'immersion en milieu animalier	Isabelle Donnay, André Moens	50h	2 Credits				x
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## Programme year by year

### VETE1BA - FIRST YEAR

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

Click on the course title to see detailed informations (objectives, methods, evaluation...)

#### ○ Biologie

○ LBIO1111A	Cell biology and introduction to prokaryotes, protists and fungi	André Lejeune	37.5h +18h	5 Credits	1q
○ LBIO1111C	Animal biology	Jean-François Rees	30h+10h	3 Credits	2q
○ LVET1111	Plant biology applied to breeding	André Moens	22.5h +15h	3 Credits	2q

#### ○ Physique

○ LPHY1114	General Physics and elements of Mathematics 1	Thierry Delbar	45h+45h	9 Credits	1q
○ LPHY1115	General Physics and elements of Mathematics 2	Thierry Delbar	45h+45h	9 Credits	2q

#### ○ Chimie et biochimie

○ LCHM1113	General Chemistry	Bernard Tinant	45h+45h	8 Credits	1q
○ LCHM1142	Organic Chemistry	Jean-François Gohy	45h+45h	8 Credits	2q

#### ○ Anatomie et Embryologie

○ LVET1141	Anatomie des animaux domestiques I	André Moens	45h +37.5h	8 Credits	2q
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#### ○ Philosophie

○ LSC1120	Philosophy	Bernard Feltz	30h	2 Credits	1q
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#### ○ Informatique

○ LSC1181V	Informatique et recherche documentaire	Marie-Anne Van Hove	10h+10h	2 Credits	1q
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#### ○ Anglais

○ LANG1861	English: reading and listening comprehension of scientific texts	Ahmed Adriouèche, Fanny Desterbecq, Charlotte Peters (coord.), Annick Sonck	10h	3 Credits	2q
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**VETE1BA - SECOND YEAR**

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

Click on the course title to see detailed informations (objectives, methods, evaluation...)

**○ Chimie et biochimie**

○ LCHM1271V	<a href="#">Eléments de biochimie</a>	<a href="#">Patrice Soumillion</a>	20h	2 Credits	1q
○ LCHM1371B	<a href="#">Biochimie métabolique</a>	<a href="#">Yves-Jacques Schneider</a>	30h+15h	4 Credits	2q

**○ Anatomie et Embryologie**

○ LVET1241A	<a href="#">Anatomie des animaux domestiques II (1e partie)</a>	<a href="#">André Moens</a>	40h+35h	6 Credits	1q
○ LVET1241B	<a href="#">Anatomie des animaux domestiques II (2e partie)</a>	<a href="#">André Moens</a>	35h+40h	7 Credits	2q
○ LVETE1250	<a href="#">Embryology of Domestic Animals</a>	<a href="#">André Moens</a>	30h+4h	4 Credits	1q

**○ Biochimie, physiologie et histologie animales**

○ LBIO1232A	<a href="#">Physiologie et histologie animales : histologie</a>	<a href="#">Bernard Knoops</a>	20h+20h	4 Credits	1q
○ LVET1295	<a href="#">Biologie cellulaire animale</a>	<a href="#">Isabelle Donnay, Bernard Knoops, Yves-Jacques Schneider</a>	22.5h	3 Credits	2q
○ LVET1296	<a href="#">Physiologie générale</a>	<a href="#">Isabelle Donnay</a>	22.5h+6h	3 Credits	2q

**○ Biostatistique**

○ LVETE1262	<a href="#">Biostatistics</a>	<a href="#">Frédéric André (compensates Catherine Legrand), Catherine Legrand</a>	45h+30h	7 Credits	1q
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**○ Immunologie**

○ LBIO1335	<a href="#">Immunology</a>	<a href="#">Jean-Paul Dehoux</a>	25h+15h	4 Credits	1q
○ LVET1243	<a href="#">Epidémiologie et initiation à la santé publique vétérinaire</a>	<a href="#">Jean-Paul Dehoux, Isabelle Donnay (coord.), null SOMEBODY</a>	25h+4h	3 Credits	2q

**○ Ethologie**

○ LVETE1230	<a href="#">Domestic Animals Ethology</a>	<a href="#">Marc Vandenheede</a>	30h+15h	4 Credits	2q
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**○ Ethnographie**

○ LVET1280	<a href="#">Ethnographie et appréciation des animaux domestiques</a>	<a href="#">Christophe Boccart, Marc Vandenheede</a>	45h+20h	6 Credits	2q
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**○ Anglais**

○ LANG1862	<a href="#">English: reading and listening comprehension of scientific texts</a>	<a href="#">Ahmed Adriouche (coord.), Isabelle Druant, Katherine Opello, Annick Sonck</a>	30h	3 Credits	1q
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**VETE1BA - THIRD YEAR**

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

Click on the course title to see detailed informations (objectives, methods, evaluation...)

**○ Biologie**

○ LVET1312	<a href="#">Ecologie appliquée aux animaux domestiques</a>	Isabelle Donnay (coord.)	30h+12h	4 Credits	2q
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**○ Anatomie et Embryologie**

○ LVETE1342	<a href="#">Anatomy of Domestic Animals</a>	André Moens	22.5h +22.5h	3 Credits	2q
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**○ Biochimie, physiologie et histologie animales**

○ LVETE1390	<a href="#">Histologie spéciale et des animaux domestiques</a>	Françoise Gofflot	45h+60h	8 Credits	1q
○ LBRAL2102F	<a href="#">Biochimie physiologique et nutritionnelle: parties 1, 2 et 3</a>	Yvan Larondelle, Yves-Jacques Schneider	24h	2 Credits	1q
○ LBIO1338	<a href="#">Travaux pratiques intégrés de physiologie, histologie et biochimie animales</a>	Bernard Knoops, Jean-François Rees (coord.), Yves-Jacques Schneider	0h+22.5h	2 Credits	2q
○ LVET1374	<a href="#">Physiologie digestive et nutrition des animaux domestiques</a>	Cathy Debier, Yvan Larondelle	60h+4h	6 Credits	2q
○ LVETE1373	<a href="#">Physiology of Domestic Animals</a>	Cathy Debier, Isabelle Donnay	90h+24h	11 Credits	1q

**○ Microbiologie**

○ LBIO1311	<a href="#">Microbiology and virology</a>	Claude Bragard, Pierre Wattiau	40h+15h	5 Credits	1q
○ LVET1311	<a href="#">Parasitologie et mycologie</a>	Isabelle Donnay (coord.), Tanguy Marcotty	25h+7h	3 Credits	2q

**○ Génétique**

○ LBIR1322	<a href="#">General genetics</a>	Philippe Baret	45h+15h	5 Credits	2q
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**○ Séminaires et exercices intégrés**

○ LVETE1300	<a href="#">Integrated Seminars</a>	André Moens (coord.), René Rezsóhazy, Patrice Soumillion, Renate Wesselingh	0h+25h	2 Credits	2q
○ LVETE1381	<a href="#">Integrated exercises</a>	Cathy Debier, Jean-Paul Dehoux, Isabelle Donnay (coord.), Françoise Gofflot, Bernard Knoops, Yvan Larondelle, André Moens, René Rezsóhazy	0h+50h	5 Credits	2q

**o Anglais**

○ LANG1863	English for Political Science (Upper-Intermediate level)	Ahmed Adriouèche (coord.), Fanny Desterbecq (coord.), Marielle Henriët (coord.), Susan Jackman, Sabrina Knorr (coord.), Nevin Serbest, Françoise Stas (coord.)	30h	2 Credits	
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**o Stage**

○ LVET1244	Initiation à la ruralité et stage d'immersion en milieu animalier	Isabelle Donnay, André Moens	50h	2 Credits	
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