

VETE1BA - Introduction

Introduction

- Décrire et appliquer rigoureusement les normes de sécurité et d'hygiène relatives à ces instruments et aux techniques d'analyse et de dissection.
- 5) Approcher et procéder aux manipulations de base des espèces d'animaux de compagnie et d'animaux de production.
- Maîtriser sans crainte l'abord et le contact physique avec l'animal domestique.
 - Prodiguer les soins élémentaires (propreté et alimentation) et appliquer les normes d'hygiène adaptées à chaque espèce.
 - Formuler des conseils généraux sur l'entretien et la gestion de ces espèces.
 - Etre préparé à aborder efficacement en master la contention de l'animal malade et les soins à lui apporter.
- 6) Communiquer efficacement et convaincre
- 6.1 Communiquer en français, oralement ou par écrit :
- Exprimer poliment et précisément à différents types de personnes son opinion sur des sujets relevant de la vie courante, de la santé et de la gestion animales.
 - Adapter son discours au niveau de connaissance de son interlocuteur, y compris à propos de sujets complexes relevant de son domaine de compétence.
- 6.2 Communiquer en anglais :
- Exploiter par lui-même des documents d'ordre général relatifs aux sciences de base et plus complexes et spécialisés en relation avec les matières disciplinaires (niveau C1 de l'échelle européenne CECRL).
 - Comprendre l'essentiel de la langue anglaise écrite et orale dans un contexte essentiellement professionnel (niveau C1 CECRL).
 - S'exprimer oralement et interagir de manière simple sur les sujets généraux ou relevant de ses enseignements disciplinaires (niveau B2 CECRL).
 - Ecrire de façon simple et cohérente sur des sujets d'ordre général ou relevant de ses enseignements disciplinaires (niveau B2 CECRL).
- 7) Faire preuve d'un sens développé de la responsabilité envers la société, du devoir et de conscience professionnelle.
- Agir en accord avec les règlements, la déontologie et l'éthique.
 - Faire constamment preuve du désir d'apprendre.
 - Devenir progressivement, dès son entrée à l'Université, le principal acteur de sa propre formation en développant les acquis d'apprentissage précités de façon de plus en plus autonome.

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)

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)

VETE1BA Programme

Detailed programme by subject

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year
1 2 3

Content:

● Biologie (17 credits)

● LBIO111	Cell and molecular biology	Patrick Dumont Charles Hachez	FR [q1] [30h+20h] [5 Credits] 🌐	x		
● LBIO112	Organism biology : plants and animals					

Year

				1	2	3
○ LVETE1312	Ecologie appliquée aux animaux domestiques	Jean-François Cabaraux	PS [q2] [30h+12h] [4 Credits]			X

○ Physique et mathématiques (14 credits)

○ LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	PS [q1] [30h+20h] [4 Credits]	X		
○ LPHY1101	Physics 1	Michel Crucifix Thierry Fichet	PS [q1] [30h+40h] [6 Credits]	X		
○ LPHY1103	Additional physics	Gabriel Dias de Carvalho Junior Marco Drewes	PS [q2] [40h+10h] [4 Credits]	X		

○ Chimie et biochimie (19 credits)

○ LCHM1111B	General chemistry	Benjamin Elias Alexandru Vlad	PS [q1] [45h+45h] [8 Credits]	X		
○ LCHM1141A	Organic chemistry	Benjamin Elias Charles-André Fustin	PS [q2] [30h+20h] [5 Credits]	X		
○ LCHM1271V	Elements of biochemistry	Patrice Soumillion	PS [q1] [20h] [2 Credits]		X	
○ LCHM1371V	Metabolic biochemistry - courses and bibliographic work	Melissa Page	PS [q2] [30h+15h] [4 Credits]		X	

○ Anatomie et Embryologie (28 credits)

○ LVETE1141						
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○ LANG1863



Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified in the **detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](#).

Prerequisites list

- LANG1863** "Anglais interactif pour étudiants en sciences (niveau intermédiaire+)" has prerequisite(s) LANG1861
- LANG1861 - English: reading and listening comprehension of scientific texts
- LBAL2102F** "Physiological and nutritional biochemistry : parts 1, 2 and 3" has prerequisite(s) LCHM1371V
- LCHM1371V - Metabolic biochemistry - courses and bibliographic work
- LVETE1295** "Compléments de biologie cellulaire animale" has prerequisite(s) LBIO1111
- LBIO1111 - Cell and molecular biology
- LVETE1300** "Integrated Seminars" has prerequisite(s) LANG1861
- LANG1861 - English: reading and listening comprehension of scientific texts
- LVETE1374** "Physiologie digestive et nutrition des animaux domestiques" has prerequisite(s) LCHM1371V
- LCHM1371V - Metabolic biochemistry - courses and bibliographic work
- LVETE1376** "Physiologie des animaux domestiques : physiologie cardio-vasculaire, rénale et respiratoire" has prerequisite(s) LVETE1296
- LVETE1296 - Neuromuscular physiology of domestic animals
- LVETE1390** "Histologie spéciale et des animaux domestiques" has prerequisite(s) LBIO1234
- LBIO1234 - Animal histology

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

Detailed programme per annual block

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o Culture et esprit scientifique

o LVETE1101	Introduction to public health and economy	Jean-Paul Dehoux François-Xavier Philippe	
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VETE1BA - 2ND ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
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- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

o Content:**o Chimie et biochimie**

○ LCHM1271V	Elements of biochemistry	Patrice Soumillion	[FR] [q1] [20h] [2 Credits] 🌐
○ LCHM1371V	Metabolic biochemistry - courses and bibliographic work	Melissa Page	[EN] [q2] [30h +15h] [4 Credits] 🌐

o Anatomie et Embryologie

○ LVETE1241A	Domestic animals anatomy II (1st part)	Olivier Jacqmot	[FR] [q1] [40h +35h] [6 Credits] 🌐
○ LVETE1241B	Domestic animals anatomy II (2d part)	Olivier Jacqmot	[FR] [q2] [35h +40h] [7 Credits] 🌐
○ LVETE1250	Embryology of Domestic Animals	Benoît Muykens	[FR] [q1] [26h +4h] [3 Credits] 🌐

o Biochimie, physiologie et histologie animales

o Ethologie

o LVETE1230

Domestics Animals Ethology

VETE1BA - 3RD ANNUAL UNIT

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

o Content:**o Biologie**

● LVETE1312	Ecologie appliquée aux animaux domestiques	Jean-François Cabaraux	[FR] [q2] [30h +12h] [4 Credits] 🌐
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o Anatomie et Embryologie

● LVETE1342	Anatomy of Domestic Animals	Olivier Jacqmot	[FR] [q2] [22.5h +22.5h] [3 Credits] 🌐
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o Biochimie, physiologie et histologie animales

● LVETE1390			
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o Génétique

LBIR1352	General genetics	Philippe Baret Annika Gillis (coord.) Jacques Mahillon	EN [q2] [45h +15h] [5 Credits]
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o Séminaires et exercices intégrés

LVETE1300	Integrated Seminars	Melissa Page (coord.) Muriel Quinet René Rezsöházy Patrice Soumillon	EN [q2] [0h +25h] [2 Credits]
LVETE1381	Integrated exercises	Frédéric Clotman (compensates Jean- François Rees) Cathy Debier Jean-Paul Dehoux Isabelle Donnay (coord.) Françoise Gofflot René Rezsöházy	EN [q1+q2] [0h +50h] [5 Credits]

o Anglais

LANG1863	English for Students in Sciences (Upper-Intermediate level)	Ahmed Adriouche (coord.) Catherine Avery (coord.) Amandine Dumont (coord.) Sandrine Jacob (coord.) Adrien Kefer (compensates Amandine Dumont) Nevin Serbest Florence Simon (coord.) Marine Volpe	EN [q1 or q2] [30h] [2 Credits]
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o Stage

LVETE1244	[REDACTED]	[REDACTED]	[REDACTED] [2
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- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your

Teaching method

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

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

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

International mobility is recommended rather within the framework of master programmes.

Moreover, participation in a short mobility can be envisaged at the end of the bachelor's degree in the framework of the Athens network <https://www.paristech.fr/fr/international/europe/athens>

Possible trainings at the end of the programme

Positioning of the programme within the University cursus

Successful completion of this programme entitles direct access to the master's in Veterinary Medicine, organised by the University of Liege.

Other studies accessible upon completion of the programme

Contacts

Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SST/SC/VETE

(VETE)

Faculty of Science (SC)

Sciences and Technology (SST)

VETE

Croix du sud 4-5 - bte L7.07.10

1348 Louvain-la-Neuve

<https://uclouvain.be/fr/facultes/sc/vete>

Website

Academic supervisor: [Isabelle Donnay](#)

Jury

- President and Study advisor: [Isabelle Donnay](#)
- Secretary: [Françoise Gofflot](#)

Useful Contact(s)

- Administrative manager for the student's annual program: [Nathalie Micha](#)

