



“Veterinary Medicine (5 Years/300 ECTS, Doctor of Veterinary Medicine, DVM)”

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GENERAL OBJECTIVES:

The Doctor of Veterinary Medicine (DVM) programme aims to graduate a Veterinary Medicine professional that demonstrates Day One Competencies for Veterinarians as described in the Standard Operating Procedures (SOP) of the European System of Evaluation of Veterinary Training (ESEVT), which is managed by the European Association of Establishments for Veterinary Education (EAEVE) in association with the Federation of Veterinarians of Europe (FVE). Chapter 3 (ESEVT Standards for accreditation) have been approved by the EAEVE General Assembly (30 May 2019) and by the FVE Board (8 April 2019).

A key feature of the program is its structural components, allowing a great level of integration at all levels during the progression towards the degree. Content, teaching, learning, and assessment activities form a cohesive framework in the program. Integration is a critical pedagogical feature that allows students to better acquire and apply professional learning, moving them from early foundations of the profession, systematically advancing in complexity of learnings, providing a planned pathway for acquisition of clinical and professional abilities and values, assessing at all levels, and ultimately demonstrating competency levels for Day One after graduation.

Subjects in the curriculum are presented as highly integrated, logically sequenced, and with theoretical and practical elements suited for the learning spaces prepared for the program in its foundational years and clinical practice pathways. All core subjects determined by ESEVT requirements as mandatory are covered in the curriculum and a table linking them with the different subjects is presented in this document.

A graduate of the Veterinary Medicine program of EUC will be capable of entering all commonly recognised branches of the veterinary profession and to be aware of the importance of lifelong learning including the following graduate attributes:
ESEVT (ESVET SOP 2019, amended in Dec 2020 and Sept 2021)

A. Basic Subjects

- Medical Physics
- Chemistry (inorganic and organic sections)
- Animal Biology, Zoology and Cell Biology
- Feed Plant Biology and Toxic Plants
- Biomedical Statistics

B. Specific veterinary subjects

a. Basic Sciences:

- Anatomy, Histology and Embryology
- Physiology
- Biochemistry

- General and Molecular Genetics
- Pharmacology, Pharmacy and Pharmacotherapy
- Pathology
- Toxicology
- Parasitology
- Microbiology
- Immunology
- Epidemiology
- Information Literacy and Data Management
- Professional Ethics and Communication
- Animal Health Economics and Practice Management
- Animal Ethology
- Animal Welfare
- Animal Nutrition

b. Clinical Sciences:

- Obstetrics, Reproduction and Reproductive Disorders
- Diagnostic Pathology
- Medicine
- Surgery
- Anaesthesiology
- Clinical Practical Training in common animal species*
- Preventive Medicine
- Diagnostic Imaging
- Therapy in common animal species*
- Propaedeutics of common animal species*

c. Animal production:

- Animal Production, including breeding, husbandry and economics
- Herd Health Management

d. Food Safety and Quality, Veterinary Public Health and One Health Concept:

- Veterinary Legislation including official controls, regulatory veterinary services, forensic veterinary medicine and certification
- Control of Food, Feed and Animal By-Products
- Zoonoses
- Food Hygiene and Food Microbiology
- Food Technology

*Common animal species as described in the list of Indicators of the ESEVT SOP. The content and distribution of the theoretical and practical training among the various groups of subjects must be balanced and coordinated in such a way that the knowledge and experience may be acquired in a manner which will enable the veterinarian to perform all their duties.

and the protection of the environment.'

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TABLE 1: STRUCTURE OF THE PROGRAMME OF STUDY

| DEGREE REQUIREMENTS | ECTS |
|--|-------------|
| All students pursuing the Bachelor of Veterinary Medicine (DVM) program must complete the following requirements | |
| Year 1 | 60 |
| Year 2 | 60 |
| Year 3 | 60 |
| Year 4 | 60 |
| Year 5 | 60 |
| Total Requirements | 300 |

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Table 2: COURSE DISTRIBUTION PER SEMESTER

| A/A | Course Type | Course Name | Course Code | Periods per Week Theory/ Lab | Period Duration | Number of Weeks/Academic Semester | Total periods/Academic Semester | Number of ECTS |
|---|-------------|---|-------------|------------------------------|-----------------|-----------------------------------|---------------------------------|----------------|
| 1st Semester | | | | | | | | |
| 1 | Compulsory | Principles of Animal Welfare, Behaviour, Law & Ethology | VET100 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 2 | Compulsory | Biological Processes I: Biology | VET105 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 3 | Compulsory | Biostatistics & Scientific Research Methods | VET110 | 2 Theory 1 Lab | 50 | 13 + Exam Week | 42 | 3 |
| 4 | Compulsory | Animal Structure I | VET115 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 5 | Compulsory | Animal Function I | VET120 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 6 | Compulsory | Animal Husbandry I: Animal Care & Management | VET125 | 4Theory 2 Lab | 50 | 13 + Exam Week | 81 | 6 |
| Total Periods and ECTS 1st Semester | | | | | | | 408 | 30 |
| 2nd Semester | | | | | | | | |
| 7 | Compulsory | One Health: Health & Environment | VET130 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 8 | Compulsory | Biological Processes II: Biochemistry | VET135 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |

| A/A | Course Type | Course Name | Course Code | Periods per Week Theory/ Lab | Period Duration | Number of Weeks/Academic Semester | Total periods/Academic Semester | Number of ECTS |
|---|-------------|---|-------------|------------------------------|-----------------|-----------------------------------|---------------------------------|----------------|
| 9 | Compulsory | Genetics & Developmental Biology | VET140 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 10 | Compulsory | Animal Structure II | VET145 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 11 | Compulsory | Animal Function II | VET150 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 12 | Compulsory | Applied Ethology | VET155 | 1 Theory 2 Lab | 50 | 13 + Exam Week | 42 | 3 |
| Total Periods and ECTS 2nd Semester | | | | | | | 408 | 30 |
| 3rd Semester | | | | | | | | |
| 13 | Compulsory | Wildlife Conservation | VET200 | 2 Theory 1 lab | 50 | 13 + Exam Week | 42 | 3 |
| 14 | Compulsory | Pathogens & Defense Mechanisms I: Immunology/Microbiology | VET205 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 15 | Compulsory | Animal Nutrition & Metabolism | VET210 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 16 | Compulsory | Pathology & Pathophysiology I | VET215 | 3 Lecture 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 17 | Compulsory | Veterinary Behavioural Medicine | VET220 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 18 | Compulsory | Animal Husbandry II: Farm Animal Production | VET225 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| Total Periods and ECTS 3rd Semester | | | | | | | 408 | 30 |
| 4th Semester | | | | | | | | |

| A/A | Course Type | Course Name | Course Code | Periods per Week Theory/ Lab | Period Duration | Number of Weeks/Academic Semester | Total periods/ Academic Semester | Number of ECTS |
|---|-------------|--|-------------|------------------------------|-----------------|-----------------------------------|----------------------------------|----------------|
| 19 | Compulsory | Epidemiology & Public Health | VET230 | 4 Theory 2 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 20 | Compulsory | Pathogens & Defense Mechanisms II: Infectious Diseases | VET235 | 4 Theory 2 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 21 | Compulsory | Pharmacology | VET240 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 22 | Compulsory | Pathology & Pathophysiology II | VET245 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 23 | Compulsory | Animal Reproduction | VET250 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 24 | Compulsory | Veterinary Skills I: Basic | VET255 | 1 Theory 2 Lab | 50 | 13 + Exam Week | 42 | 3 |
| Total Periods and ECTS 4th Semester | | | | | | | 408 | 30 |
| 5th Semester | | | | | | | | |
| 25 | Compulsory | One Health: Zoonoses | VET300 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 26 | Compulsory | Pathogens & Defense Mechanisms III: Parasitology | VET305 | 4 Theory 2 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 27 | Compulsory | Veterinary Pharmacology & Toxicology | VET310 | 4 Theory 2 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 28 | Compulsory | Veterinary Diagnostic Imaging | VET315 | 1 Theory 2 Lab | 50 | 13 + Exam Week | 42 | 3 |
| 29 | Compulsory | Small Animal Medicine I | VET320 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |

| A/A | Course Type | Course Name | Course Code | Periods per Week Theory/Lab | Period Duration | Number of Weeks/Academic Semester | Total periods/Academic Semester | Number of ECTS |
|---|-------------|--|-------------|-----------------------------|-----------------|-----------------------------------|---------------------------------|----------------|
| 30 | Compulsory | Veterinary Skills II: Small Animals & Equine | VET325 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| Total Periods and ECTS 5th Semester | | | | | | | 408 | 30 |
| 6th Semester | | | | | | | | |
| 31 | Compulsory | Food Hygiene I: Food Microbiology | VET330 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 32 | Compulsory | Shelter Medicine | VET335 | 1 Theory 2 Lab | 50 | 13 + Exam Week | 42 | 3 |
| 33 | Compulsory | Farm Animal Medicine I | VET340 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 34 | Compulsory | Equine Medicine & Surgery | VET345 | 1 Theory 2 Lab | 50 | 13 + Exam Week | 42 | 3 |
| 35 | Compulsory | Small Animal Medicine II | VET350 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 36 | Compulsory | Veterinary Skills III: Farm Animals | VET355 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| Total Periods and ECTS 6th Semester | | | | | | | 408 | 30 |
| 7th Semester | | | | | | | | |
| 37 | Compulsory | Food Hygiene II: Quality Assurance | VET400 | 3 Theory 3 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 38 | Compulsory | Herd Health Management | VET405 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 39 | Compulsory | Farm Animal Medicine II | VET410 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |

| A/A | Course Type | Course Name | Course Code | Periods per Week Theory/ Lab | Period Duration | Number of Weeks/Academic Semester | Total periods/Academic Semester | Number of ECTS |
|---|-------------|--|-------------|------------------------------|-----------------|-----------------------------------|---------------------------------|----------------|
| 40 | Compulsory | Gross Pathology I | VET415 | 1 Theory 2 Lab | 50 | 13 + Exam Week | 42 | 3 |
| 41 | Compulsory | Small Animal Medicine III | VET420 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 42 | Compulsory | Veterinary Profession: Clinic Management & Legislation | VET425 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| Total Periods and ECTS 7th Semester | | | | | | | 408 | 30 |
| 8th Semester | | | | | | | | |
| 43 | Compulsory | Food Hygiene III: Quality Inspection | VET430 | 1 Theory 5 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 44 | Compulsory | Anesthesiology, Emergency & Critical Care Medicine | VET435 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 45 | Compulsory | Farm Animal Surgery | VET440 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 46 | Compulsory | Gross Pathology II | VET445 | 3 Lab | 50 | 13 + Exam Week | 42 | 3 |
| 47 | Compulsory | Small Animal Surgery | VET450 | 2 Theory 4 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 48 | Compulsory | Capstone Project | VET455 | 1 Theory 2 Lab | 50 | 13 + Defense Week | 42 | 3 |
| Total Periods and ECTS 8th Semester | | | | | | | 408 | 30 |
| 9th Semester | | | | | | | | |
| 49 | Compulsory | Clinical Training in Small Animals I | VET500 | 18 Lab | 50 | 13 + Exam Week | 237 | 18 |

| A/A | Course Type | Course Name | Course Code | Periods per Week Theory/ Lab | Period Duration | Number of Weeks/Academic Semester | Total periods/Academic Semester | Number of ECTS |
|--|-------------|---------------------------------------|-------------|------------------------------|-----------------|-----------------------------------|---------------------------------|----------------|
| 50 | Compulsory | Clinical Training in Farm Animals I | VET505 | 6 Lab | 50 | 13 + Exam Week | 81 | 6 |
| 51 | Compulsory | Clinical Training in Equines | VET510 | 6 Lab | 50 | 13 + Exam Week | 81 | 6 |
| Total Periods and ECTS 9th Semester | | | | | | | 399 | 30 |
| 10th Semester | | | | | | | | |
| 52 | Compulsory | Clinical Training in Small Animals II | VET515 | 15 Lab | 50 | 13 + Exam Week | 198 | 15 |
| 53 | Compulsory | Clinical Training in Farm Animals II | VET520 | 12 Lab | 50 | 13 + Exam Week | 159 | 12 |
| 54 | Elective* | | ----- | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| Total Periods and ECTS 10th Semester | | | | | | | 399 | 30 |
| Total Periods and ECTS for EUC Veterinary Medicine Curriculum | | | | | | | 4,062 | 300 |
| *Elective Courses | | | | | | | | |
| Students select one courses from the following: | | | | | | | | |
| 55 | Elective | Animal Assisted Therapy | VET525 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 56 | Elective | Companion Animal Nutrition | VET530 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 57 | Elective | Animal Health Products & Services | VET535 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |
| 58 | Elective | Animals & Social Development | VET540 | 3 Theory | 50 | 13 + Exam Week | 42 | 3 |