



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2026/27**  
**SINGLE-CYCLE DEGREE**  
**VETERINARY MEDICINE (Classe LM-42 R)**  
**Enrolled in 2026/2027 academic year**

### **HEADING**

<b>Degree classification - Denomination and code:</b>	LM-42 R
<b>Degree title:</b>	Dottore Magistrale
<b>Length of course:</b>	5 years
<b>Total number of credits required to complete programme:</b>	300
<b>Years of course currently available:</b>	1st
<b>Access procedures:</b>	Cap on student, student selection based on entrance test
<b>Course code:</b>	HAA

### **PERSONS/ROLES**

#### **Head of Study Programme**

Prof.ssa Silvia Modena

#### **Tutors - Faculty**

Tutor per l'orientamento:

- I anno: prof. Armando Negri
- II anno: Prof.ssa Mariangela Albertini
- III anno: Prof.ssa Federica Di Cesare
- IV anno: Prof.ssa Chiara Locatelli
- V anno: Prof.sa Roberta Perego

Tutor per la mobilità internazionale e l'Erasmus: prof.sa Camilla Luzzago, prof.sa Roberta Perego e dott. Luca Villa  
Referente per disabilità: prof. Guido Grilli

#### **Degree Course website**

<https://veterinaria.cdl.unimi.it/it>

#### **Academic services**

Via Dell'Università, 6 - Lodi. La segreteria è aperta al pubblico previo appuntamento tramite il servizio informastudenti nei giorni: Mercoledì 9:00 - 12:00 tramite piattaforma Teams Giovedì 13:00 - 15:00 in presenza <https://www.unimi.it/it/studiare/servizi-gli-studenti/segreterie-informastudenti>

### **CHARACTERISTICS OF DEGREE PROGRAMME**

#### **General and specific learning objectives**

The Master's Degree Course in Veterinary Medicine is a single-cycle course with limited enrolment and compulsory attendance, which aims to provide graduates with the fundamental knowledge and skills required to practise as a Veterinary Surgeon in accordance with the guidelines of the European Association of Establishments for Veterinary Education (EAEVE). The courses in this class (LM42) aim to train specialist graduates with scientific knowledge, methodological foundations and technical-practical skills that enable them to practise as Veterinary Surgeons, playing an indispensable role in animal care and welfare in accordance with environmental sustainability, public health and food safety, serving the community at the national and international level. In accordance with Articles 1 and 3 of Law No. 163 of 8 November 2021, the final examination for the single-cycle Master's degree in Veterinary Medicine (class LM-42) qualifies graduates to practise as Veterinary Surgeons. Graduates of the class must possess advanced knowledge, skills and competences:

- of the principles of evidence-based medicine and the One Health approach, understanding the economic and social context, and applying the scientific method to improve animal health, quality of care and welfare, veterinary public health and food safety;
- of the legislative (national and international), bioethical and deontological bases in relation to professional responsibilities towards animals, society and the environment;
- of the structure, functions and behaviour of animal species of veterinary interest, including knowledge of unconventional species, wild species, fish species, insects useful to humans, animals and the environment, and animals used for scientific purposes;

- of the clinical, diagnostic and epidemiological aspects necessary to prevent, diagnose and treat animal diseases, considered individually or in groups, including those for recognising and managing zoonoses and the concepts of translational and comparative medicine;
- of transmissible diseases, preventive medicine, veterinary public health and food safety, including those aimed at epidemiological surveillance of the territory and investigation and certification activities also aimed at the national and international framework for the prevention and management of epidemic and non-epidemic veterinary health emergencies and public health, with particular reference to zoonoses, in relation to the specificities of the specialist context;
- of animal nutrition and feeding, technologies and management of livestock farms, optimisation of production, in the light of technological and management innovations, with respect for animal welfare and the reduction of the environmental impact of livestock farming; of hygiene and technology involved in the production, manufacture and circulation of animal feed and supplements, including skills relating to control, enforcement of current legislation and ensuring the safety and quality of products in these supply chains;
- veterinary pharmacology and toxicology, including legislation on drugs, regulations on animal poisoning and guidelines on the responsible use of drugs, with particular attention to the use of antimicrobial and antiparasitic ones with a high environmental impact, as well as the most common xenobiotic substances that are potentially harmful to animals, their production and the environment.

The training is achieved through a five-year course divided into semesters; the courses include lectures, practical activities, fieldwork and laboratory work, to be carried out in small groups with a tutor, aimed at active learning by the student, analysis and problem solving for diagnostic purposes and the acquisition of practical skills and professional competences. At the same time, from the first year onwards, students carry out practical activities in the subject areas covered by the Practical-Assessment Internship (clinics of pets, horses and exotic (unconventional) animals; veterinary public health and food safety; animal production and livestock medicine, both at Faculty facilities (University Veterinary Hospital, Experimental Teaching Zootechnical Unit, research laboratories) and at affiliated public and/or private institutions and foreign universities. Throughout the course, attention is paid to the acquisition by students of 'Day One Competences' (DOCs), a list of knowledge and skills defined as 'first day' ones that new graduates must possess when entering the professional work, detailed in a document drawn up by the European Coordinating Committee on Veterinary Training (ECCVT) and adopted by EAEVE. Its objective is to monitor the harmonisation of the minimum standards for veterinary training programmes, established by European Union Directive 2005/36, and to evaluate, promote and further improve the quality standards of the facilities and of the teaching of Veterinary Medicine.

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### **Professional profile and employment opportunities**

The course prepares students for the profession of Veterinary Surgeon, who carries out their professional activity in the service of the community and for the protection of animal and human health.

Article 1 of the Code of Conduct of the National Federation of the Orders of Italian Veterinarians specifies that Veterinary Surgeons devote their work:

- to the protection of humans from dangers and harm deriving from the environment in which animals live, from animal diseases, and from the consumption of foodstuffs or other products of animal origin;
- to the prevention, diagnosis and treatment of animal diseases and to the protection of animal welfare;
- to the preservation and functional development of livestock resources;
- to the preservation and safeguarding of the environment and of wildlife heritage, inspired by principles of biodiversity protection and coexistence compatible with humans;
- to activities related to the lives of companion animals, sport animals, and exotic animals;
- to the promotion of respect for animals and their welfare as sentient beings;
- to the promotion of hygiene and health prevention campaigns and education for a proper human-animal relationship;
- to activities connected to food production, its correct management, and the assessment of risks linked to food safety management.

Competencies associated with the role:

- to perform the indicated functions adequately, the graduate in Veterinary Medicine must acquire the necessary skills to operate in the various fields of the profession;
- to carry out their role in the clinical field, the graduate in Veterinary Medicine must be able to detect and assess the health and welfare status of individual animals or groups of animals and to develop appropriate treatment plans that consider the interests of the patients and available resources;
- to work properly in the field of animal production, they must be able to assess the physical condition, welfare and nutritional status of an animal or group of animals, and provide advice on breeding and feeding principles.
- to operate in the field of animal health, the graduate in Veterinary Medicine must be able to develop and recommend prevention and prophylaxis programmes for individual animal species, in line with accepted standards of animal health, welfare, and public health, recognise suspicious symptoms of notifiable and zoonotic diseases, and take appropriate action, including notification to the competent authorities;
- to operate in the field of inspection of food of animal origin, the graduate in Veterinary Medicine must be able to detect and critically assess the suitability for consumption, hygiene, and quality of such foodstuffs.

Employment opportunities:

Access to most employment opportunities in this profession requires registration with the register of a Provincial Order of Veterinary Surgeons. The Veterinary Surgeon may work in freelance practice, in the livestock production chain industry (e.g., feed, supplements, genetic selection and production development), in the pharmaceutical industry (e.g., technical consultancy and support, research and development, regulatory affairs and registration), and in the food industry (e.g., production hygiene, processing technologies and management of food production of animal origin), in universities and research institutions, in international agencies and organisations (e.g., EFSA, EMA, EU Food and Veterinary Office, OIE), and in the Armed Forces. Upon obtaining a diploma from a School of Specialisation, employment within the National Health Service (ASL/ATS and Experimental Zooprophyllactic Institutes) may also be possible.

### **Initial knowledge required**

Enrolment in the first semester (known as the “filter semester”) is open to all. The filter semester will take place between September and November and will include three compulsory courses:

- Chemistry and Biochemistry Propaedeutics
- Physics
- Biology

At the end of the course, there will be two national exam sessions, which will be the same for all locations:

- First exam session: 20 November 2025
- Second exam session: 10 December 2025

To enrol in the single-cycle Master's Degree in Veterinary Medicine, students must have passed all three exams (with a minimum grade of 18/30) and be placed in a suitable position in the national merit ranking.

For further information, please visit: <https://www.unimi.it/it/studiare/immatricolarsi-e-iscriversi/medicina-odontoiatria-e-veterinaria-accesso-e-semestre-filtro>

## **Compulsory attendance**

Attendance at all teaching activities included in the course programme is compulsory. This requirement is met by attending at least 70 per cent of the lectures and practical sessions for each activity.

## **Laboratories**

All teaching and laboratory activities for the Degree Course in Veterinary Medicine take place at its facilities in Lodi, at Via dell'Università n. 6.

## **EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM**

The University of Milan supports international mobility by providing its students with the opportunity to spend study and internship periods abroad. It is a unique chance to enrich your educational path in a new exciting environment.

The agreements entered into by the University with over 300 universities from the 27 EU member countries under the European Erasmus+ programme allow regularly enrolled students to carry out part of their studies at one of the partner universities or to undertake internships at companies, training and research centres and other organisations.

Similar international mobility opportunities are provided outside Europe, through agreements with a number of prestigious institutions.

The University of Milan is a member of the 4EU+ European University Alliance that brings together eight public multidisciplinary universities: University of Milan, Charles University of Prague, Heidelberg University, Paris-Panthéon-Assas University, Sorbonne University of Paris, University of Copenhagen, University of Geneva, and University of Warsaw. The 4EU+ Alliance offers integrated educational pathways and programmes to promote the international mobility of students (physical, blended and virtual).

## **How to participate in Erasmus mobility programs**

How to participate in Erasmus+ mobility programmes

The students of the University of Milan can participate in mobility programmes, through a public selection procedure.

Ad hoc commissions will evaluate:

- Academic career
- the candidate's proposed study programme abroad
- his/her foreign language proficiency
- the reasons behind his/her application

Call for applications and informative meetings

The public selection for Erasmus+ mobility for study generally begins around February each year with the publication of a call for applications specifying destinations and requirements. Regarding the Erasmus+ Mobility for Traineeship, the University of Milan usually publishes two calls a year enabling students to choose a destination defined by an inter-institutional agreement or to find a traineeship position on their own.

The University organises informative meetings to illustrate mobility opportunities and rules for participation.

Erasmus+ scholarship

The European Union grants the winners of the Erasmus+ programme selection a scholarship to contribute to their mobility costs, which may be supplemented by the University funding for disadvantaged students.

Language courses

Students who pass the selections for mobility programmes can benefit from intensive foreign language courses offered each year by the University Language Centre (SLAM).

<https://www.unimi.it/en/node/8/>

Learn more at <https://www.unimi.it/en/node/274/>

For assistance, please contact:

International Mobility Office

Via Santa Sofia 9 (second floor)

Tel. 02 503 13501-12589-13495-13502

Contacts: InformaStudenti;

Student Desk booking through InformaStudenti

<b>1st COURSE YEAR Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Biochemistry, Bacteriology, virology and veterinary immunology	11	(5) BIOS-07/A, (6) MVET-03/A
Biology	6	BIOS-03/A
Biostatistics, General Zootechnics and Genetic Improvement	5	(4) AGRI-09/A, (1) STAT-01/B
Chemistry and Biochemistry Propaedeutics	6	(3) BIOS-07/A, (3) CHEM-03/A
English proficiency B2 (3 ECTS)	3	NN
Histology, Systematic and Comparative Veterinary Anatomy 1 and 2	15	MVET-01/A
Physics	6	PHYS-06/A
Practical training 1 year - Animal Handling	1	NN
	Total compulsory credits	53
<b>2nd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Animal husbandry	11	(5) AGRI-09/C, (3) AGRI-09/B, (3) AGRI-09/D
Companion animal and equine breeding	7	(1) AGRI-09/C, (6) AGRI-09/B
Physiology and Endocrinology of Domestic Animals	9	MVET-01/B
Physiology and Ethology of Domestic Animals	12	(2) MVET-04/B, (10) MVET-01/B
PraPractical training -2 anno Animal Handling	1	NN
Systematic and Comparative Veterinary Anatomy 3	5	MVET-01/A
Veterinary general pathology and clinical biochemistry	12	(4) BIOS-09/A, (8) MVET-02/A
	Total compulsory credits	57
<b>3rd COURSE YEAR (available as of academic year 2028/29) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Companion animals and horse infectious and parasitic diseases	7	(4) MVET-03/B, (3) MVET-03/A
Farm animal Infectious and parasitic diseases and herd health management	11	(3) MVET-03/B, (8) MVET-03/A
Practical training 3 year - Heard health management	1	NN
Practical training 3 year - small animal teaching hospital	2	NN
Professional competences	9	(1) PHIL-03/A, (2) ECON-07/A, (2) MVET-04/B, (2) AGRI-01/A, (2) GSPS-06/A
Veterinary Anatomic Pathology 1	5	MVET-02/A
Veterinary Anatomic Pathology 2	8	MVET-02/A
Veterinary Pharmacology and Toxicology	9	MVET-04/A
Zoonoses	7	(1) MVET-02/B, (1) MVET-03/B, (5) MVET-03/A
	Total compulsory credits	59
<b>4th COURSE YEAR (available as of academic year 2029/30) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Hygiene and microbiology of food	8	MVET-02/B
Inspection and control of food	8	MVET-02/B
Medicine, surgery and genetic disorders of domestic animals	11	(2) AGRI-09/A, (6) MVET-04/B, (3) MVET-05/A
Practical training 4 year - small animals ambulatory clinics	1	NN
Propaedeutics to the veterinary clinic	6	(4) MVET-04/B, (2) MVET-05/A
Veterinary anesthesiology, surgical techniques and intensive care	8	MVET-05/A
Veterinary diagnostic imaging, regional anatomy and radiological physics	10	(2) MVET-04/B, (4) MVET-05/A, (3) MVET-01/A, (1) PHYS-06/A
Veterinary Obstetrics, Pathology and Reproductive Technologies	6	MVET-05/B
	Total compulsory credits	58
<b>5th COURSE YEAR (available as of academic year 2030/31) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Equine clinic	10	(4) MVET-04/B, (2) MVET-05/B, (4) MVET-05/A
Large animal practice	7	(4) MVET-04/B, (3) MVET-05/B
Practical training 5 year	30	NN
Small animal and new companion animal clinics	12	(3) MVET-04/B, (3)

		MVET-05/B, (6) MVET-05/A
	Total compulsory credits	59
<b>Elective courses</b>		
Training courses of your choice		8 NN
<b>End of course requirements</b>		
Final exam		6 NN
	Total compulsory credits	6

## COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
Veterinary general pathology and clinical biochemistry	Physiology and Ethology of Domestic Animals	Core/compulsory
	Physiology and Endocrinology of Domestic Animals	Core/compulsory
	Systematic and Comparative Veterinary Anatomy 3	Core/compulsory
Animal husbandry	Physiology and Ethology of Domestic Animals	Core/compulsory
	Physiology and Endocrinology of Domestic Animals	Core/compulsory
Companion animal and equine breeding	Physiology and Ethology of Domestic Animals	Core/compulsory
	Physiology and Endocrinology of Domestic Animals	Core/compulsory
Physiology and Ethology of Domestic Animals	Biochemistry, Bacteriology, virology and veterinary immunology	Recommended
	Histology, Systematic and Comparative Veterinary Anatomy 1 and 2	Core/compulsory
Physiology and Endocrinology of Domestic Animals	Biochemistry, Bacteriology, virology and veterinary immunology	Core/compulsory
	Histology, Systematic and Comparative Veterinary Anatomy 1 and 2	Core/compulsory
Systematic and Comparative Veterinary Anatomy 3	Histology, Systematic and Comparative Veterinary Anatomy 1 and 2	Core/compulsory
Zoonoses	Veterinary Anatomic Pathology 1	Core/compulsory
Companion animals and horse infectious and parasitic diseases	Veterinary general pathology and clinical biochemistry	Core/compulsory
Veterinary Anatomic Pathology 1	Veterinary general pathology and clinical biochemistry	Core/compulsory
Farm animal Infectious and parasitic diseases and herd health management	Veterinary general pathology and clinical biochemistry	Core/compulsory
	Animal husbandry	Core/compulsory
Veterinary Pharmacology and Toxicology	Veterinary general pathology and clinical biochemistry	Core/compulsory
Veterinary Anatomic Pathology 2	Veterinary Anatomic Pathology 1	Core/compulsory
Hygiene and microbiology of food	Zoonoses	Core/compulsory
	Farm animal Infectious and parasitic diseases and herd health management	Core/compulsory
	Veterinary Pharmacology and Toxicology	Core/compulsory
Veterinary anesthesiology, surgical techniques and intensive care	Veterinary Pharmacology and Toxicology	Core/compulsory
Medicine, surgery and genetic disorders of domestic animals	Animal husbandry	Core/compulsory
	Companion animal and equine breeding	Core/compulsory
	Veterinary Anatomic Pathology 2	Core/compulsory
Veterinary Obstetrics, Pathology and Reproductive Technologies	Veterinary Anatomic Pathology 2	Core/compulsory
Inspection and control of food	Zoonoses	Core/compulsory
	Farm animal Infectious and parasitic diseases and herd health management	Core/compulsory
	Veterinary Anatomic Pathology 2	Core/compulsory
Propaedeutics to the veterinary clinic	Medicine, surgery and genetic disorders of domestic animals	Core/compulsory
Veterinary diagnostic imaging, regional anatomy and radiological physics	Veterinary Anatomic Pathology 2	Core/compulsory
	Physics	Core/compulsory
Equine clinic	Companion animals and horse infectious and parasitic diseases	Core/compulsory
	Veterinary anesthesiology, surgical techniques and intensive care	Core/compulsory
	Veterinary Obstetrics, Pathology and Reproductive Technologies	Core/compulsory
	Propaedeutics to the veterinary clinic	Core/compulsory
	Veterinary diagnostic imaging, regional anatomy and radiological physics	Core/compulsory
Small animal and new companion animal clinics	Companion animals and horse infectious and parasitic diseases	Core/compulsory
	Veterinary anesthesiology, surgical techniques and intensive care	Core/compulsory
	Veterinary Obstetrics, Pathology and Reproductive Technologies	Core/compulsory
	Propaedeutics to the veterinary clinic	Core/compulsory
	Veterinary diagnostic imaging, regional anatomy and radiological physics	Core/compulsory
Large animal practice	Farm animal Infectious and parasitic diseases and herd health management	Core/compulsory
	Veterinary anesthesiology, surgical techniques and intensive care	Core/compulsory
	Veterinary Obstetrics, Pathology and Reproductive Technologies	Core/compulsory
	Propaedeutics to the veterinary clinic	Core/compulsory

	Veterinary diagnostic imaging, regional anatomy and radiological physics	Core/compulsory
Biochemistry, Bacteriology, virology and veterinary immunology	Chemistry and Biochemistry Propaedeutics	Core/compulsory
Histology, Systematic and Comparative Veterinary Anatomy 1 and 2	Biology	Core/compulsory