



UNIVERSITÀ
DI CAMERINO

**School of Veterinary Medical Sciences
- Faculty of Veterinary Medicine -**

**Degree course in
VETERINARY MEDICINE**

(Class **LM-42**)

UNIVERSITY'S DEGREE COURSE HANDBOOK

**Course Time: 5 years
ECTS: 300**

**Main Teaching building:
Matelica (MC)
Via Circonvallazione, 93/95**

Academic Year 2010-2011

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2. Introduction

The second level, single cycle, **Degree Course in Veterinary Medicine**, is a 5 years course, in the general area of public health, and it is opened to a limited number of students.

It has the aim of furnishing a high education in order to practice the veterinary clinical profession, after having passed the Qualifying Examination that can be performed at the same Faculty; the degree is legally recognized at European level.

A graduate in **Veterinary Medicine** is qualified to apply for the following study programs: Specialization Courses, PhD Courses, First and Second level Masters.

The **Degree course in Veterinary Medicine** is characterized for the qualitative profile offered, thanks also to the limited number of the students and to the high availability of its teaching component to establish a constant dialogue with the student both in educational theory and practice and in moments of confrontation and clarification and also for valid educational facilities at high index of scientific innovation. The course could also benefit from support structures such as classrooms of anatomical dissection and necropsy rooms that will be further enhanced. Furthermore, in the same area is being completed a slaughterhouse in which it is possible to follow all the practical activities related to the inspection field. Chemical, biochemical and physiological labs are also present and these are regularly used to test the concepts acquired during theoretical teaching. Within the specialistic subjects there are active educational support structures - such as science laboratories, general microbiology and food analysis, virology, molecular diagnostics and laboratories of anatomy and pathological histology. The hospital, nearing completion, modern organized and equipped with instruments of high technology and quality standards, both medical and surgical, is represented by two separate structures, for small and large animals. The instrumental equipments are represented by TAC, MRI, digital X-ray, etc.

For full implementation of the training, the course of study offers a wide range of agreements with agro-zootechnical farms and processing industries of local and even national importance, where the student can acquire full knowledge of the role of the veterinarian in farm animal production.

As part of the internship, students also can take advantage from public health authorities' agreements (ASL, IZS, etc..) across the entire region.

The **Degree course in Veterinary Medicine, UNICAM**, is certified **ISO 9001:2008** and started its assessment path with the agency **EAEVE** (European Association of Establishments of Veterinary Education) to attest the achievement of European quality standards.

The activation of the degree course is gradual. In the academic year **2010/2011** the **1st**, the **2nd** and the **3rd** years will be activated.

3. Learning outcomes

The single-cycle, **second level Degree Course in Veterinary Medicine**, represents the necessary and specific curriculum to practice the Veterinary Profession.

This professional figure will operate either at a public or private level working on health care, aiming to protect animal and human safety, guarantying health, wellbeing and a correct alimentation to animals (in particular food-production ones) as well as the safety of animal-derived food and eventually favoring the relationship between animals and human being.

The graduate will achieve the formative objectives of the course when he/she will show:

- an exhaustive acquisition of theoretical knowledge, derived from basic and characterizing subjects;
- the ability to utilize the acquired knowledge as well as all the information instruments, either paper or informatics, to focus on the biological chemistry and physic methodologies, both vegetal and animal ones, and the veterinary anatomy and physiology.

Knowledge acquired during the learning process must represent methodological guidelines that allow the students to solve new problems, especially in the different epidemiologic context of zoonoses, potentially dangerous also for human being and food safety.

In order to solve these new problems, student must use statistic model systems applicable to clinical management, keeping in consideration possible consequences in larger contexts where other professional skills, like medical skill, are requested.

Graduate will own judgments abilities especially in the differential diagnosis of clinical and pathological findings and he/she must know how to interpret the results of collateral laboratory investigations.

Making judgment and critical thought about the taken decision must include also the consequent social and ethic effects.

At the end of the course a public oral presentation of a written thesis to an official commission will show the student's skills in giving answers to concrete problems in critical way and in showing the ability to communicate the obtained results.

Learning outcomes, expressed with Dublin descriptors (DM16/03/2007, art. 3, comma 7)

Knowledge and understanding

The graduate in Veterinary medicine will be able to:

- elaborate hypothesis and apply original ideas in a context of scientific research;
- consult and comprehend the bibliographical updates in the different fields (in particular in the characterizing ones) in order to utilize them in new or original contexts.

The learning process will provide theoretical lessons, conferences, seminars, round tables, research and advanced works to carry out autonomously on a given subject, while being supervised by a teacher.

The evaluation will be based on theoretical and practical exams.

Applying knowledge and understanding

As indicated by EU directives which the degree course in Veterinary Medicine has to conform to, students must:

- evaluate alive farm and companion animals and carry out a satisfactory number of necropsies;
- know how to deal with health emergencies carrying out and managing health control plans as requested by EU;
- promote animal production through knowledge of breeding technologies, control of animal feeding, evaluate welfare and breeding eco-compatibility;
- know how to carry out the control of food manufacturing and products for consumer's safety even through the control of trade and administration of food;
- know how to apply specific EU and Italian veterinary laws.

The graduate will achieve such knowledge and skills by participating to theoretical lessons, hands on practice and guided evaluations on animals, training experiences and stages, helped by teachers and tutors stimulating self-study. Clinical simulations and utilization of scientific instruments, after having acquired basic skills, are other means to achieve the qualification required.

The evaluation will be based on practical exams (even directly on animals - if necessary), followed by oral exams.

Making judgements

Student must learn how to make judgments especially in the differential diagnosis of clinical and pathological findings and he must know how to interpret results of collateral laboratory investigations.

Making judgment and critical thought about the taken decision must include also the consequent social and ethic effects.

Judgment autonomy will be stimulated by the participation to seminar carried out by professionals, training experiences and stages, guided group session, simulations, personal compositions on information and issues driving to a making diagnosis and/or opinion process.

The evaluations will be based on practical exams, followed by oral exams to assess the originality and the degree of autonomy of the student.

Communication skills

Graduate in Veterinary Medicine must be able to:

- Correctly utilize the English language (as well the Italian one), in both written and oral form. He/she must do that either in a professional context or only while exchanging general information. He/she must be able to work in a group and operate with defined degrees of autonomy;
- clearly and simply communicate to no-specialist people about analysis, diagnosis and conclusions, allowing the speaker to clearly understand the essential elements of risk and prognosis;
- clearly and correctly speak to specialists, using an appropriate terminology, even while using technological and communication instruments.

Communication skills will be intentionally stimulated by specific group exercises, reports of training experiences and stages, and during the preparation of the final exam. Opportunities for foreign language improvement will be also provided by learning activities to carry out in foreign countries as for specific programs of international mobility as well as by the use of textbooks, documents and articles written in English.

The evaluation on the use of the Italian language, and even on the English one if needed, will be based on by oral exams, reports on training exams and stages, and the final exam. Finally, the ability to correctly use the English language will be evaluated by oral and written exam at the end of the course.

Learning skills

Achievement of learning skills must allow graduate in Veterinary Medicine to update and develop personal and professional competences, also understanding scientific progress in national and international bibliography.

Learning ability will be stimulated all along the courses by a proper setting for lessons, exercises, labs, training experiences and stages.

The evaluations will be assessed during the theoretical and practical exams, the report of training experiences and stages, and the final exam.

4. Enrollment (D.M. 270/04)

To enroll in the **Degree Course in Veterinary Medicine**, student must have a secondary-school diploma or similar diploma obtained in a foreign country. Such a diploma must be recognized by the Council of the Faculty in observance of international agreements.

The **second level Degree Course in Veterinary Medicine** is open to a **limited number** of students that is fixed annually by MIUR under proposal of the Faculty.

To pass the admission exam is necessary to know biology, chemistry, physics and mathematics at a secondary-school level. The initial background is evaluated through a test regarding, in addition to the above mentioned subjects, student's general culture and logical abilities.

The **admission exam** is prepared by MIUR, it is held in the same day in the whole national territory and results are notified by publication in the annual Courses Overview.

Procedure, evaluation criteria and discriminating parameters, even when there are ex-aequo, are those determined by the ministerial decree referring to that year.

5. Professional perspectives

Graduate in **Veterinary Medicine** will operate either at a public or private level working on health care to protect animal and human safety, guarantying health, wellbeing and contribute to environmental protection.

In addition to practice an independent profession, graduates in Veterinary Medicine work in the National Health Service, in public and private industries (zotechnical, pharmaceutical, feedstuff and processed food industries) and in research centers.

In order to emphasize the validity of training offered by the **Degree course in Veterinary Medicine, UNICAM**, it is considered interesting to report, for example, some data that Alma Graduate publish annually (Alma Laurea is the service that makes available online graduate curricula of several Italian universities, becoming a meeting point between graduates, universities and companies and is managed by a Consortium of Italian Universities with the support of MIUR). From the reported data, it is clear that the graduated in **Veterinary Medicine of UNICAM** not differ significantly from the national average and especially that in the case of post-graduate training or for entry into the world of work, these data resulted significantly higher than the national average.

6. Term of the Degree Course, teaching frequency

Student must acquire **300 credits** to graduate in **Veterinary Medicine**. The term of the degree course is normally **5 years**.

Student must acquire the following credits to enroll into the next years:

- 2nd year registration: **at least 25 credits**;
- 3rd year registration: **at least 50 credits**;
- 4th year registration: **at least 100 credits**;
- 5th year registration: **at least 180 credits**.

Attendance at the teaching courses is mandatory. The attendance certification is held in the first useful session of the Council of the Faculty after the end of semester, after communication of the responsible teacher.

7. Type of the learning activities and organization

Before the start of courses all students have the opportunity to participate in the "welcome courses" that UNICAM organizes every year in the first days of October (for info see the web-site of the university). The initiative serves to facilitate the integration of new students in the University and give them the tools to start the University studies.

7.1 – European Credit Transfer and Accumulation System (ECTS)

There are two types of credits (ECTS):

1. **Mixed credits** reserved to front teaching activity and student's study and personal activities;
2. **Credits** reserved only to student's study and personal activities.

Each credit represents **10 hours** of front teaching activity and **15 hours** of student's study and personal activities **for all the learning activities** (basic, special, integrative) and includes the **optional teaching courses** freely chosen by students.

30% of the hours reserved to front teaching activity must be reserved to **practice**.

Concerning the **professional training**, the teaching activity is organized only practically and the credit has a characterization of **10 hours**.

Concerning the **final exam**, the credit has a characterization of **25 hours** of student's study and personal activity. The **final exam** consists of a discussion on a project developed under the supervision of a Tutor, documented by a written paper and dissertated in front of a special Commission. Getting through the final examination automatically awards **8 credits** of this examination.

Concerning the **knowledge of foreign language**, the student undergoes an interview in front of a special Commission or demonstrates the knowledge of the language with a certification that can be considered as corresponding to the **First Certificate** by the Faculty Council. Each credit for the **knowledge of foreign language** represents **10 hours** of teaching activities.

7.2 – Teaching organization

The teaching courses are distributed in two periods called **semesters** that, for the academic year 2010/2011, have the following calendar:

First semester: **October 4th 2010 - January 28th 2011**

Second semester: **February 28th 2011 – June 10th 2011**

The **teaching calendar** will be available before the beginning of the semester in the showcases and in the web site of the Faculty.

Each teaching course is an **integrated course** that can be subdivided in **modules**. Each module must have at least **3 credits**.

The list of the teaching courses, the scientific-disciplinary areas (**SSD**) of each teaching course, the modules and their credits (**ECTS**) and the distribution in the 5 years are shown in **Annex 1**.

Teaching courses (Annex 1)

I YEAR

No.	LEARNING ACTIVITIES MODULES	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAM
						Ls	P-A		
<i>I SEMESTER</i>									
1.	Biostatistics and computer science	ING-INF/05	5	B		40	10	75	1 (mark)
	Chemistry and biochemical propedaeutics (*)	CHIM/03-06	6	A		48	12	90	
2.	Zoology and Botany		6						1 (mark)
	Botany applied to veterinary medicine	BIO/03	3	A		24	6	45	
	Zoology	BIO/05	3			24	6	45	
3.	Histology, embryology and veterinary microscopic anatomy	VET/01	9						1 (mark)
<i>II SEMESTER</i>									
4.	Anatomy of domestic animals		13						1 (mark)
	Veterinary systematic and comparative anatomy		8	A		64	16	120	
	Veterinary topographical anatomy		5			40	10	75	
5.	Veterinary biochemistry (*)	BIO/10	6	A		96	24	180	1 (mark)
6.	Economics and EU law		8						1 (mark)
	Agricultural economics	AGR/01	5	C		50		75	
	EU Law	IUS/03	3			30		45	
7.	General zootechny	AGR/17	5	B		40	10	75	1 (mark)
Total year			58			480	100	870	7

(*) single exam

(1) Activity type: **A**=basic; **B**=special, **C**=integrative; **D**=electives; **E**=final exam and knowledge of English language; **F**=further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedaeutics)

Ls=front lessons including practice and/or laboratory exercitations; **P-A**=hands on practice

II YEAR

No.	LEARNING ACTIVITIES MODULES	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAM
						Ls	P-A		
<i>I SEMESTER</i>									
8.	General physiology of domestic animals and ethology		8						1 (mark)
	Veterinary general physiology	VET/02	4	A	2,4,5	32	8	60	
	Veterinary ethology and animal welfare		4			32	8	60	
9.	Veterinary methods in chemistry and biochemistry	BIO/12	6	A	5	48	12	90	1 (mark)
10.	Microbiology and Parasitology		9						1 (mark)
	Microbiology virology and veterinary immunology	VET/05	5	B	2,5	35	15	75	
	Animal parasitology	VET/06	4			28	12	60	
11.	English language	L-LIN/12	4	E		40		60	interview (suitability)
<i>II SEMESTER</i>									
12.	Special physiology and endocrinology of domestic animals		10						1 (mark)
	Veterinary special physiology	VET/02	5	A	8	40	10	75	
	Veterinary endocrinology		5			40	10	75	
13.	Animal nutrition and feeding	AGR/18	6	B	12	48	12	90	1 (mark)
14.	Zooculture and Special zootechny		11						1 (mark)
	Aviculture	AGR/20	3	B	12	24	6	45	
	Aquaculture	AGR/20	3			24	6	45	
	Special zootechny and breeding techniques	AGR/19	5			40	10	75	
	Professional training in Zootechny	AGR/17	6	F		60		90	(suitability)
Total year			60			491	109	900	6

(1) Activity type: **A**=basic; **B**=special, **C**=integrative; **D**=electives; **E**=final exam and knowledge of English language; **F**= further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedaeutics)

Ls=front lessons including practice and/or laboratory exercitations; **P-A**=hands on practice

III YEAR

No.	LEARNING ACTIVITIES MODULES	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAM
						Ls	P-A		
<i>I SEMESTER</i>									
15.	Pharmacology and toxicology		9						1 (mark)
	Veterinary pharmacology	VET/07	5	B	12	35	15	75	
	Veterinary toxicology		4			28	12	60	
16.	Food hygiene and technology		6						1 (mark)
	Food hygiene	VET/04	3	B	10	21	9	45	
	Principles of food technology		3			21	9	45	
17.	Parasitic diseases, Epidemiology and Tropical pathology		11						1 (mark)
	Parasitic diseases of animals	VET/06	5	B	14, 18	35	15	75	
	Veterinary epidemiology	VET/05	3			21	9	45	
	Tropical pathology	VET/05	3			21	9	45	
18.	General pathology and physiopathology		7						1 (mark)
	General pathology	VET/03	4	B	10, 12	28	12	60	
	Physiopathology		3			21	9	45	
<i>II SEMESTER</i>									
19.	Veterinary pathological anatomy		13						1 (mark)
	Veterinary pathological anatomy I	VET/03	5	B	17, 21	35	15	75	
	Veterinary pathological anatomy II		5			35	15	75	
	Necropsy		3			21	9	45	
20.	Andrology and reproductive pathology		6						1 (mark)
	Andrology	VET/10	3	B	18	21	9	45	
	Reproductive pathology		3			21	9	45	
21.	Infectious diseases, prophylaxis and avian pathology		8						1 (mark)
	Infectious diseases, prophylaxis and avian pathology I	VET/05	4	B	14, 18	28	12	60	
	Infectious diseases, prophylaxis and avian pathology II		4			28	12	60	
Total year			60			420	180	900	6

IV YEAR (it will be activated in the academic year 2011/2012)

No.	LEARNING ACTIVITIES MODULES	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAM
						Ls	P-A		
<i>I SEMESTER</i>									
22.	Instrumental and laboratory diagnostics		6						1 (mark)
	Instrumental diagnostics	VET/08	3	B		21	9	45	
	Laboratory diagnostics		3			21	9	45	
23.	Food technology, sanitary control and certification		14						1 (mark)
	Technology, control and certification of fresh food	VET/04	7	B	16, 19	49	21	105	
	Technology, control and certification of processed food		7			49	21	105	
24.	Semeiotics, pathology and medical clinics of companion animals		9						1 (mark)
	Semeiotics and pathology of companion animals	VET/08	4	B	13, 15, 19	28	12	60	
	Medical clinics and therapy of companion animals		5			35	15	75	
<i>II SEMESTER</i>									
25.	Anaesthesiology, semeiotics, pathology and surgical clinics of companion animals		12						1 (mark)
	Anaesthesiology	VET/09	4	B	15, 19	28	12	60	
	Pathology and semeiotic surgery of companion animals		4			28	12	60	
	Surgical clinics and practice of companion animals		4			28	12	60	
26.	Semeiotics, pathology and surgical clinics of farm animals		8						1 (mark)
	Semeiotics and pathology of farm animals	VET/09	4	B	15, 19	28	12	60	
	Surgical clinics and practice of farm animals		4			28	12	60	
	Electives		9	D				225	
Total year			58			343	147	735	5

(1) Activity type: **A**=basic; **B**=special, **C**=integrative; **D**=electives; **E**=final exam and knowledge of English language; **F**= further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedaeutics)

Ls=front lessons including practice and/or laboratory exercitations; P-A=hands on practice

V YEAR (it will be activated in the academic year 2012/2013)

No.	LEARNING ACTIVITIES MODULES	SSD	ECTS	Activity type (1)	Propedaeutics (2)	Hours and type of teaching activities		Hours of personal activity	EXAM
						Ls	P-A		
<i>I SEMESTER</i>									
27.	Obstetrics and obstetric clinics		8						1 (mark)
	Veterinary obstetrics	VET/10	4	B	19,	28	12	60	
	Obstetric clinics		4			20	28	12	
28.	Semeiotics, pathology and medical clinics of farm animals		12						1 (mark)
	Semeiotics and pathology of farm animals	VET/08	4	B	13,	28	12	60	
	Medical clinics and therapy of farm animals		4			15,	28	12	
	Forensic medicine and veterinary laws		4	19	28	12	60		
	Professional training in Veterinary pathological anatomy		6	F		60		90	(suitability)
<i>II SEMESTER</i>									
	Professional training in Food inspection		6	F		60		90	(suitability)
	Professional training in Prophylaxis		6	F		60		90	(suitability)
	Professional training in Clinical medicine		6	F		60		90	(suitability)
	Professional training in Clinical surgery		6	F		60		90	(suitability)
	Professional training in Clinical obstetrics		6	F		60		90	(suitability)
	Final examination		8	E				200	
Total year			64			500	60	1040	2

(1) Activity type: **A**=basic; **B**=special, **C**=integrative; **D**=electives; **E**=final exam and knowledge of English language; **F**= further linguistic knowledge, computer and relational activities, stage, professional training, etc.

(2) it show the exams that must be previously sat (no number = no propedaeutics)

Ls=front lessons including practice and/or laboratory exercitations; **P-A**=hands on practice

Propedaeutics

Exams shown in column **A** must be sat before the exams shown in column **B**:

Column A	Column B
<ul style="list-style-type: none"> ▪ Histology, embryology and anatomy of domestic animals 	Anatomy of domestic animals
<ul style="list-style-type: none"> ▪ Chemistry and biochemical propedaeutics and Veterinary biochemistry ▪ Zoology and Botany 	Microbiology and Parasitology
<ul style="list-style-type: none"> ▪ Chemistry and biochemical propedaeutics and Veterinary biochemistry ▪ Anatomy of domestic animals ▪ Zoology and Botany 	General physiology of domestic animals and ethology
<ul style="list-style-type: none"> ▪ Chemistry and biochemical propedaeutics and Veterinary biochemistry 	Veterinary methods in chemistry and biochemistry
<ul style="list-style-type: none"> ▪ General physiology of domestic animals and ethology 	Special physiology and endocrinology of domestic animals
<ul style="list-style-type: none"> ▪ Biostatistics and computer science 	General Zootechny
<ul style="list-style-type: none"> ▪ Special physiology and endocrinology of domestic animals 	Zooculture and Special Zootechny
<ul style="list-style-type: none"> ▪ Special physiology and endocrinology of domestic animals 	Nutrition and animal feeding
<ul style="list-style-type: none"> ▪ Microbiology and Parasitology ▪ Special physiology and endocrinology of domestic animals 	General pathology and physiopathology
<ul style="list-style-type: none"> ▪ Special physiology and endocrinology of domestic animals 	Pharmacology and toxicology
<ul style="list-style-type: none"> ▪ Microbiology and Parasitology 	Food hygiene and technology
<ul style="list-style-type: none"> ▪ Zooculture and Special zootechny ▪ General pathology and physiopathology 	Parasitic diseases, Epidemiology and Tropical pathology Infectious diseases, prophylaxis and avian pathology
<ul style="list-style-type: none"> ▪ General pathology and physiopathology 	Andrology and reproductive pathology
<ul style="list-style-type: none"> ▪ Parasitic diseases, Epidemiology and Tropical pathology ▪ Infectious diseases, prophylaxis and avian pathology 	Veterinary pathological anatomy
<ul style="list-style-type: none"> ▪ Food hygiene and technology ▪ Veterinary pathological anatomy 	Food technology, sanitary control and certification
<ul style="list-style-type: none"> ▪ Andrology and reproductive pathology ▪ Veterinary pathological anatomy 	Obstetrics and clinical obstetrics
<ul style="list-style-type: none"> ▪ Nutrition and animal feeding ▪ Pharmacology and toxicology ▪ Veterinary pathological anatomy 	Semeiotics, pathology and clinical medicine of companion animals Semeiotics, pathology and clinical medicine of farm animals
<ul style="list-style-type: none"> ▪ Pharmacology and toxicology ▪ Veterinary pathological anatomy 	Anaesthesiology, semeiotics, pathology and clinical surgery of companion animals Semeiotics, pathology and clinical surgery of farm animals

Student must respect the shown propedaeutics on pain of exam invalidation.

Exams and examinations

Achievement of credits from each integrated course takes place after passing the relative **exam**. The exam consists of an interview in front of a specific Commission. Teachers of single modules can test the students *in itinere* but only during the lessons. The test does not imply acquirement of credits.

The maximum number of exams in the Degree Course in **Veterinary Medicine** is **30 exams**.

Achievement of the credits from **professional training** takes place for single area after passing a **practical exam**, certificated like the exams of the integrated courses, at the end of the professional training in that area.

The **exams calendar** will be available before the beginning of the semester in the showcases and in the web site of the Faculty.

The student who intends to support an examination is required to **register on-line** (<https://didattica.unicam.it>) to the specific appeal but **the exam can be taken even without reservations** if the candidate is present in this day and time for appeal.

Final examination

The final examination is a written composition on a specific subject regarding several issues of the curriculum. It must be original, but it may also correspond to a short review of the state of the art of a determined matter, outlining not yet defined issues.

During the preparation of the final exam, the student is supported by a Tutor to guaranty a scientific and correct approach to the subject.

Practical application Activities and Professional Training

Practical lessons:

During the course of study, the total class hours included in the calendar is divided into a 70% of lectures and a 30% of practical work under the direct supervision of a qualified teacher.

The **professional training** activity, as organized and described in Professional Training Regulations, is fulltime and the schedule is fixed in advance and developed by the teaching structures of the Faculty or by qualified public or private structures accredited by the Faculty Council. The list of the external structures is public and constantly updated.

The professional training consists of 4 areas:

I - Medical Clinics and Prophylaxis

II - Surgery and Obstetric Clinics

III - Food Inspection

IV - Zootechny.

The relative scientific-disciplinary areas are shown in **Annex 1**.

Regulation of Professional Training for students of the Degree course in Veterinary Medicine (Class LM-42)

Art. 1 – Nature and purpose

1. The practical training is stipulated by the Teaching Order of the Degree course in Veterinary Medicine in the Class LM-42 DM 03/16/2007 and is subject to precept of law cited in the introduction.
2. The purpose of the Professional Training is to facilitate the integration of cultural and professional training of students through a planned and controlled development of skills by participation in activities of a practical-application activities within the following areas (as expected by the art. 5 del D.M. 9/5/1957).

Area	SSD	Teacher Area Manager
Medical clinic and prophylaxis	VET/08, VET/05	Prof. Beniamino Tesei
Clinical surgical and obstetrical	VET/09, VET/10	Prof. Paolo Scrollavezza
Food inspection	VET/04, VET/03	Prof. Anna Rita Loschi
Zootecnic	AGR/17-18-19-20	Prof. Alessandra Roncarati

Art. 2 – Acquisition of credits (ECTS) related to training activities

1. The acquisition by the student of 42 credits related to professional training activity is required for the achievement of the 300 credits needed to the graduation.
2. The training activities by which it is possible for the student to acquire credits are divided into seven disciplines:

Discipline	SSD	Teacher discipline manager
Zootecnic	AGR/17-18-19-20	Prof. Alessandra Roncarati
Food Inspection	VET/04	Prof. Anna Rita Loschi
Pathologic Anatomy	VET/03	Dott. Gian Enrico Magi
Prophylaxis	VET/05	Prof. Vincenzo Cuteri
Medical Clinic	VET/08	Dott. Matteo Cerquetella
Clinical Surgery	VET/09	Dott. Angela Palombo Piccionello
Obstetrics	VET/10	Prof. Giuseppe Catone

Art. 3 – Teachers area managers, teachers discipline manager and Company-Tutors

1. For each area indicated in art. 1, paragraph 2, and for each discipline cited in art. 2, paragraph 2, the Council of the educational structure identifies an **teacher area manager** which is responsible for coordinating and monitoring the overall progress of training activities “in itinere” and a **teacher discipline manager** which is responsible to organize training activities related to their discipline.
2. In the case that the training is conducted in a location outside the ateneo (UNICAM structures), is identified a Company-Tutor which is the reference of the University within the host structure, and is responsible for the participation of the student to the working reality and ensures that the student performs the project activities. The Company-tutor interacts with the teacher discipline manager and contributes to the evaluation of the specific training activity

Art. 4 – Conduct and evaluation of Professional Training

1. The training activities performed on an external University are possible only if the host facility has an agreement as indicated in art. 5 of these Regulations.
2. The mode of participation in training activities shall be agreed between the teacher discipline manager and the student. In the case that the training is performed in an extra-university place the arrangements for participation are agreed between the teacher discipline manager, the company-tutor and the student.
3. The evaluation of a specific training activities is formulated:
 - a) by the teacher discipline manager if the training activities take place at a facility of the University;
 - b) by the teacher discipline manager on the basis of the attestation of frequency and by the opinion provided by company-tutor, if the activity is performed at an extra-university structure.
4. The final evaluation is done by the teacher area manager of the Professional Training, basing on what was communicated by the teacher discipline manager.
The certification of the training activities for a single discipline (Article. 2, paragraph 2) for the acquisition by students of the credits must be submitted to the Student Secretariat by a special report.

Art. 5 – Locations of the Professional Training

1. School of Veterinary Medical Sciences-Faculty of Veterinary Medicine, in UNICAM.
2. Authorized extra-university locations, as provided by art. 27 of DPR 382/80 and art. 8 of Law 341/90, consist of Host Public Entities and/or private with whom the School/Faculty has signed a special agreement to use equipment, resources and logistics services to carry out activities aimed at completing the academic and professional training.
3. The authorized extra-university locations will be qualified structure of the National Health Institute, Zooprophyllaxis Institutes and Institutes of Scientific Research and also departments of research and development of Public or Private Institutions operating in the field of veterinary medicine, after the reasoned opinion of the Council of the university structure.
4. The practical training can be undertaken at a facility that falls under the foreign student mobility program “Erasmus”; or similar programs, prior approval of the Council of the university structure, after consulting the company-tutors of those locations.
5. In order to favor greater interaction possible, the Professional Training can be done in more than one location.

Art. 6 – Warranty Insurance

The insurance cover enabled by the University of Camerino is extended until the completion of the Professional Training, but no later than one year after graduation. The training is covered by insurance from the University of Camerino for injuries that occur to the students during the course of practical training, as well as civil liability for damage that may unintentionally cause to third persons and/or things in carrying out these activities. Are excluded from the coverage the transfers of the student to and from the site of training, by whatever means are carried out.

Regulation for the request of degree thesis

1. The student must ask for the degree thesis to a Tutor at least one year before the date of the final exam, using a special form, in which there are the acceptance of the Tutor and the temporary title of the thesis. The form must be taken to the Faculty Secretariat.
2. The student who gives up his/her subject, changing scientific area and/or Tutor, must follow the rule of point 1. Also in this case, he/she must fill in a form that must be taken to the Faculty Secretary.
3. In case of impediment, the Tutor can ask another Tutor in the same or similar scientific area to assist the student in the final exam.
4. The Tutor can suggest an examiner or the scientific area of the examiner.
5. The teachers are invited to notify in the Faculty showcases the available thesis' subjects and the number of final-year students who can be accepted in the academic year.
6. The work destined to the Faculty Secretariat must be computerized (CD) and it must include pictures and possible films.

In order to register and to show the thesis in the Faculty web site, it is mandatory to mention, **both in Italian and English languages**, the title, an abstract of max 250 words and 5 key words; this indications are facultative for the written copies.

Regulation for the submission of documentation for the degree examinations

The **application** for admission to the degree examination, in revenue stamp and on a appropriate form available at the Student Office or downloaded from the website of the university, must be submitted or delivered to the Student Office at least 20 days before the date fixed for the degree examination and must be accompanied by the following documents:

- **request of the original diploma degree** in revenue stamp and on the appropriate form available at the Student Office or downloaded from the website of the university;
- **receipt** proving the payment of the tax degree;
- only for **students** who graduate **in course**, **application** for the reimbursement of taxes and contributions paid for the last year of enrollment;
- A copy of the **thesis in electronic format**, accompanied by: a) **declaration** signed by the candidate that the documentation delivered in electronic form is consistent with that presented to the Tutor b) **First page of the thesis** signed by the candidate and by the Tutor.

The title of the thesis must include: the academic year, the School of belonging, the degree course, the discipline covered by the dissertation, the title of the thesis and the kind of thesis (experimental or not), the name of the Tutor and the name of the candidate;

- **Declaration** by the Office Support ERSU certifying the regularity of student's administrative position;
- **Alma Laura** (for compilation are required name, surname and passwords already in possession of the student and already used for other online UNICAM services)
- **Student record book** (Libretto degli studi)
- **Individual record of practical skills acquired "day-one skills"**.

Cannot be admitted to the degree examination students who have not passed the last exam at least 15 days before the date fixed for the meeting of graduation. In this case the student record book must be returned to the Student Secretariat **not later than** the day following the date of the last exam.

The start time and venue of meetings will be announced by the Directorate of School/Faculty with appropriate notice.

20 days before the date fixed for the degree examination, the candidate must deposit to the Directorate of the School/Faculty:

- a **second** copy of the **thesis in electronic format**, together with the attachments a) and b) above mentioned, for the archives of the School. In the CD containing the thesis file, separately, will be given **the title of the thesis in English and Italian, a summary in Italian and English (maximum 250 words), 5 key words in Italian and 5 key-words in English**.
- A copy of the **thesis in printed form** for Examiners to be delivered to the Directorate of the School.

The total number of copies printed is 3 (one for the speaker, one for the Examiners and one for the Candidate) and two in electronic form (one for the Student Office and the Directorate of School).

The student who intends to submit an **experimental thesis** must attend a scientific laboratory, preferably of the School/Faculty for a period to be agreed between the student and the Tutor.

During that period, the student is also involved in the cultural activities of the research group.

The student who, within 20 days from the date fixed for the degree examination, is unable to arrange for delivery of the thesis (because **in course of drafting and printing**), may request the Tutor to postpone that deadline **by a declaration to be filled in duplicate**, on a special form available at the Student Office of School/Faculty.

8. Table of training activities and teachers

The **Annex A** of this guide contains tables with detailed information on the educational activities taking place in the academic year 2010-2011 and the names of teachers that will cover these activities.

These activities are aimed to:

- Students who **start the course in 2010/2011 and are in the first year**
- Students who **started the course in 2009/2010 and are the second year**
- Students who **started the course in 2008/2009 and are the third year**

9. Curricula of teachers, programs of individual learning activities, educational facilities

The programs of individual learning activities and their description are made available by teachers through the University website, under "Training offer".

Through the same website it is possible access to the CVs of the teachers and the description of educational and scientific facilities available.

10. Teaching support services

Orientation

Pre-University Orientation

As part of training, pre-university orientation provides secondary school students with methodologies and practical information for choosing the university course of study best suited to their goals and skills. For this purpose UNICAM offers:

- Guided visits to the University and Orientation Meetings in secondary schools in the Marche and other Regions
- UNICAM Internships
- Project Credits (educational projects for students in the last two years of secondary schools)
- Knowledge Travels (educational and informative seminars given by UNICAM lecturers at schools)
- Open Doors at UNICAM (orientation days for secondary school students)
- Open Doors in the University Schools (opportunities for future university students to acquire exhaustive information on teaching programs and on University services).

Postgraduate orientation

There is often a gap between the learning program at a university and the reality of the workplace the student needs to enter into. The orientation service offers students who are just graduating and postgraduate students, room for reflection on the choices of support activities for vocational training. This is done in collaboration with the Internship and Placement Service.

The event "Young People + University = Work" is of particular relevance here. This takes place each year, generally in the autumn. University students and new graduates are invited to attend the event to have an opportunity to listen to the accounts given by many different professionals, to meet and to establish direct contacts with company representatives, and to get to know experts from the world of work so they can start to plan out their own personal career path.

The Tutoring/Mentoring program

Mentoring contributes to the cultural and professional training of the student, encouraging wider and more and active participation throughout the entire degree course.

The mentoring program has the following objectives:

- Assist the student in all aspects of their study
- Encourage different ways of participating in the training process
- Remove barriers to education through initiatives tailored to the needs, aptitudes and requirements of each individual student.

UNICAM's Mentoring Program provides specialised tutoring activities for both groups and individuals.

It organises a flexible range of teaching tutorials during the teaching year, conducted by tutors who have been chosen for their particular profiles, aimed at activities for students who work and for the different teaching approaches required for e-learning.

- Group Tutoring: provides scheduled meetings with the course teachers, designed to highlight and resolve, through input also from the students, any problems encountered in the teaching course.

- Individual Tutoring: UNICAM assigns to each student a 'teaching tutor' whose task is to follow and advise the student throughout their course of study. This is done through regular meetings and through meetings requested by the student.
- Teaching Tutoring: provides Bridging Courses covering the basic scientific disciplines (mathematics, chemistry and physics) and English. Should serious difficulties be encountered in learning activities, tutoring provides groups with recovery support.

Other Events

- Acclimatisation Days for incoming students
- Appointments with the Tutors (seminars and workshops for university students on general topics given by experts). The meetings are held periodically during the academic year.

The Degree Course in Veterinary Medicine adheres to the initiatives promoted by the University. In particular it uses four Support Tutors to assist the Director of the School in the first reception of students and for the student assistance during the course of study.

The opportunity to study abroad

UNICAM offers many possibilities for international mobility:

Erasmus for study

The program allows the student to spend a period of study abroad (from 3 to 12 months), providing the opportunity to take courses, to take advantage of university facilities, to conduct research aimed at drafting their degree thesis, and to obtain recognition of exams taken abroad, provided they have been pre-designated within an appropriate study program. Students who are interested can take part in the annual call from the University published in the period December-February.

Erasmus Student Placement (internship)

Starting in the 2007/2008 academic year, it is possible within the Erasmus program to hold internships (from 3 to 12 months) in enterprises, in research centres, and in European training centres, ensuring a recognition of curricular activities carried out abroad, provided there is agreement in advance with their respective Erasmus coordinators.

The Degree Course in Veterinary Medicine of UNICAM has a lively international mobility, both in terms of Erasmus (UE countries) that in the international cooperation with countries outside the EU.

Students enrolled in the Degree Course in Veterinary Medicine have the opportunity to perform their studies at the Erasmus School of Veterinary Medicine affiliated of Spain (Universidad de Extremadura a Cáceres e University Complutense of Madrid), Turkey (Adnan Menderes University di Aydın, Mustafa Kemal University of Hatai, Mehemet Akif Ersoy di Burdur, Afyon Kocatepe University of Afyonkarahisar), and Portugal (Escola Superior Agraria of Beja).

The possibility to perform Professional Training within the Erasmus Placement project concern Faculty of Veterinary Medicine, University of Liège (Service d'Imagerie Médicale), the Freie Universität of Berlin, the Klinik für Pferde of Hannover, and prestigious research centers and European public and private clinic structures.

Concerning the international cooperation outside the EU are active agreements with the University Nordeste a Corrientes (Argentina) and with the University of Avana (Cuba).

Students enrolled in Degree Course of Veterinary Medicine has also the opportunity to benefit from scholarships for the preparation of thesis/internship in third countries.

Internships

The connection between the university and the workplace is one of the priorities at UNICAM. UNICAM organises meetings and dialogues amongst students, graduates, professionals and companies. In this spirit, the internship is an important tool allowing students, both graduates and the recently graduated, to have experience in a real working environment, an opportunity to learn directly about working-life and the opportunity, in some cases, to develop a particular expertise. The University of Camerino has agreements with more than 1800 companies, institutions, administrative and professional offices, where students, both undergraduate and graduate, may pursue their internships. An internship can be done both in Italy and abroad.

Services offered

- Management of a database (UNICAM Stage) through which internships are offered. These can be carried out in companies or in public and private agencies
- Activation of post-graduate internships in companies
- Insertion of the CVs of UNICAM graduates into the online database UNICAM Job
- Support activities during entry into the workplace
- Participation in the program 'Work Kit' ('Borsa Lavoro') (a net of online services and an open system for putting together inquiries and offers of work via the Internet: www.unicam.it/laureati/mondolavoro/index.asp)

The Teaching Order of the Degree Course in Veterinary Medicine, does not expect that there are periods of work experience or curricular placements outside of those set by the Teaching Order itself. These initiatives remain viable in the post-graduate period.

Services for welcoming students with disabilities

The 'Welcome Service for Disabled Students' aims at providing students with disabilities equal opportunities for managing their studies and for the chance to live fully the college experience.

This objective is pursued through outreach activities, through technology and through staff specially dedicated to students, as well as by the removal of physical and cultural barriers standing in the way of learning and standing in the way of everyday life.

By contacting the Service Tutors, it is possible map out a training plan which taking into account the particular disability and individual goals, defines solutions and personalised participation.

Facilities and services:

- Technological aids and specialised teaching support
- Personalised examinations (for entry and for credits)
- Specialised tutoring
- Transport with accompanying person
- Location and delivery of library materials
- Tax reduction and exemption
- Housing suitably equipped and the possibility of economic assistance for accompanying person
- Access to university facilities
- Psychological counselling
- Access to sports facilities of C.U.S. (University Sports Centre)
- Assistance in participating in the LLP/Erasmus programme
- Internships and training courses aimed at work placement

11. Quality assurance system

The Course in **Medicine Veterinary** is included in the UNICAM Quality Assurance System certificate ISO 9001:2008 (from AFAQ-France, the leading French certification body and one of the first certification bodies in the world). The system is aimed at ensuring for students the high quality of services provided. This is achieved through a rigorous analysis of internal organizational procedures and the prompt handling of any problems that are picked up or that are reported by students.



The Quality Management System includes support services for students. These are: guidance; tutoring; international mobility; internships and placement; communication. They provide a back-up to the teaching activities, thus contributing to the complete training of the student.

The Course in Veterinary Medicine has started its assessment path by the Agency EAEVE (the European Association of Establishments of Veterinary Education) that is appointed to certify the achievement of European standards of quality.

The system is designed to ensure that the training conducted in the School/Faculty give to the graduated in Veterinary Medicine the acquisition of appropriate knowledge and skills (the so called "day-one skills") as outlined in Directive 2005/36/CE that enable the graduate to perform their principal activities of the profession in various fields.



12. Special administrative arrangements

Enrollment

The second level degree course in Veterinary Medicine is open to a limited number fixed by MIUR in **25 students (unless correction of ministerial decree)**, **3 seats** are reserved for **Chinese** students, **2 extra seats** for **non EU students**, and **2 more seats** are reserved to **Albanian** students according to the agreements undersigned by the University of Camerino. If the number of applicants exceeds that of vacancies, access to the degree course is subject to a **selection test**. The test subjects concern: **student's general culture and logical abilities** (20 questions), **biology** (29 questions), chemistry (21 questions), **physics** and **mathematics** (10 questions). The admission test consists into the solution of **80** multiple choice questions.

Admission application form

Admission applications, on plain paper, addressed to the Rector and written on forms available at the Student Office (**Via Pieragostini n° 18, 62032 Camerino, fax 0737/404814**), or taken from the website <http://www.unicam.it/ateneo/organizzazione/aree/accademica/concorsi.PDF> have to be submitted to the same area, from **15th July to 2nd September 2010**.

Together with the application form, the applicant has to submit:

- Self certification on the qualification held;
- Receipt of the admission fee of 26.00 euro paid on the postal c/c no. 166629 University of Camerino, account fees, with the purpose "tax, pre-registration in the Degree Course in Veterinary Medicine".

Application forms received and registered by AGEPROF later than 2nd September 2010, or written other than that supplied by the same office were will be not accepted.

Admission test

The entrance test will be held on **6th September 2010** and it will have value for the test of Italian language knowledge for non-EU citizens.

For more information about registration, see the admission notice.

Transfers

1. Subscriptions of graduates and/or students from other degree course: candidates must pass the admission test as well as the first-year students, later the Faculty Council will evaluate the curricula to resolve any endorsements and/or abbreviations of the course.

2. Transfers from other seats for the same Degree Course in Veterinary Medicine will be accepted in relation to availability of seats for the year of registration. It must be specified that vacancies are those that are freed as a result of re-act in the studies or transfer to another location and/or other course.

Pre-registration applications, on plain paper, have to be **submitted and registered** by Student Office (AGEPROF) **no later than 2 September 2010. No date as postmark.**

Together with the pre-registration application, necessary for the transfer, there must be submitted:

- photocopy of original diploma of maturity declaration or certification with the indication of the mark awarded;
- a certificate issued by the University of origin, stating the first-year registration, registration for the academic year **2009/2010** and the exams sat;
- photocopies of the official exam programs of which validation is sought;

Only the students in the admitted list may request a transfer.

The required clearances will be issued by the Student Office by 15 September 2010.

The leave must be received at the University of Camerino **no later than 10 October 2010.**

Requests for transfer to other universities must be submitted to the Student Office (AGEPROF) no later than 10 October 2010.

Transfer and acknowledgement of credits

Acknowledgement of credits acquired in another degree course of University of Camerino, or in another degree course of another University, is subordinated to the achievement of the credits in the same scientific-disciplinary area, shown in the Learning Regulations of the Degree Course in Veterinary Medicine and only if the credits asked by the student for acknowledgement are the same or more than the ones in the Learning Regulations.

Evaluation of credits is suggested by the Faculty Teaching Commission and it is approved by the Faculty Council. This approval substitutes every other form of examination.

Acknowledgement of credits acquired in the same degree course from another Italian or foreign accredited University is possible in the same scientific-disciplinary area, even though the credits are different.

It is possible to acquire credits in Erasmus program and in extra curriculum learning or job experiences.

13. Other useful Info

All communications and/or information regarding the student enrolled in the Degree in Safety of Animal Production is provided through notice on the website of the School/Faculty, and alone, in the case of specific problems, the Secretariat of the same School/Faculty.

Polo didattico (sede delle attività didattiche)

Via Fidanza, 15

Matelica

Tel. 0737/404000

Fax 0737/404010

Annex A

Information on individual learning activities and teachers - Academic Year 2010-11

LEARNING ACTIVITIES of I YEAR (for beginners in 2010-11)											
RESPONSIBLE learning activity	LEARNING ACTIVITY	TEACHING UNIT	SSD ACTIVITY	SEMESTER	TYPE OF ACTIVITY (*)	ECTS	N. of hour lessons include practical exercises and / or laboratory	Hours of practical application	TEACHER	SSD TEACHER	School Membership
VALBONESI	Biostatistics and Computer Science		ING-INF/05	I	B	5	40	10	VALBONESI A.	BIO/05	ES
									MARCANTONI F.	ING-INF/05	ST
VITA	Chemistry and Biochemical Propedeutics	Chemistry and biochemical propedeutics	CHIM/03-06	I	A	6	48	12	VITA A.	BIO/10	SMV
		Veterinary biochemistry	BIO/10	II	A	6	48	12	VITA A.	BIO/10	SMV
VALBONESI	Zoology and Botanic	Botanics applied to veterinari medicine	BIO/03	I	A	3	24	6	CATORCI A.	BIO/03	ES
		Zoology	BIO/05	I	A	3	24	6	VALBONESI A.	BIO/05	ES
SCOCCO	Histology, embriology and anatomy of domestic animals		VET/01	I	A	9	72	18	SCOCCO P.	VET/01	ES
PARILLO	Anatomy of domestic animals	Veterinary systematic and comparative anatomy	VET/01	II	A	8	64	16	PARILLO F.	VET/01	SMV
		Veterinary topographical anatomy	VET/01	II	A	5	40	10	PARILLO F.	VET/01	SMV
BISCONTINI	Economics and EU laws	Agricultural Economy	AGR/01	II	C	5	50		ANSALONI F.	AGR/01	ES
		EU laws	IUS/03	II	C	3	30		BISCONTINI G.	IUS/01	SMV
RENIERI	General Zootechny		AGR/17	II	B	5	40	10	RENIERI C.	AGR/17	ES

LEARNING ACTIVITIES of II YEAR (for beginners in 2009-10)											
RESPONSIBLE learning activity	LEARNING ACTIVITY	TEACHING UNIT	SSD ACTIVITY	SEMESTER	TYPE OF ACTIVITY (*)	ECTS	N. of hour lessons include practical exercises and / or laboratory	Hours of practical application	TEACHER	SSD TEACHER	School Membership
ZERANI	General Physiology of domestic animals and ethology	Veterinary general physiology	VET/02	I	A	4	32	8	ZERANI M.	VET/02	SMV
		Veterinary ethology and animal welfare	VET/02	I	A	4	32	8	MALFATTI A.	VET/02	ES
VINCENZETTI	Veterinary methods in chemistry and biochemistry		BIO/12	I	A	6	48	12	VINCENZETTI S.	BIO/12	SMV
CUTERI	Microbiology and parasitology	Microbiology virology and veterinary immunology	VET/05	I	B	5	35	15	CUTERI V.	VET/05	SMV
		Animal parasitology	VET/06	I	B	4	28	12	HABLUETZEL A.	VET/06	SF
BARCHIESI	English language		L-LIN/12	I	E	4	40		BARCHIESI M.		
MALFATTI	Special physiology and endocrinology of domestic animals	Veterinary special physiology	VET/02	II	A	5	40	10	MALFATTI A.	VET/02	ES
		Veterinary endocrinology	VET/02	II	A	5	40	10	TODINI L.	VET/02	ES
MELOTTI	Animal nutrition and feeding		AGR/18	II	B	6	48	12	MELOTTI P.	AGR/20	SMV
MELOTTI	Zooculture and special zootechny	Aviculture	AGR/20	II	B	3	24	6	MELOTTI P.	AGR/20	SMV
		Aquaculture	AGR/20	II	B	3	24	6	MELOTTI P.	AGR/20	SMV
		Special zootechny and breeding techniques	AGR/19	II	B	5	40	10	RONCARATI A.	AGR/20	SMV
RONCARATI	Professional Training in Zootechny		AGR/17	II	F	6	60	RONCARATI A.	AGR/20	SMV	

LEARNING ACTIVITIES of III YEAR (for beginners in 2008-09)											
RESPONSIBLE learning activity	LEARNING ACTIVITY	TEACHING UNIT	SSD ACTIVITY	SEMESTER	TYPE OF ACTIVITY (*)	ECTS	N. of hour lessons include practical exercises and / or laboratory	Hours of practical application	TEACHER	SSD TEACHER	School Membership
MARINI	Pharmacology and toxicology	Veterinary pharmacology	VET/07	I	B	5	35	15	MARINI C.	VET/07	SMV
		Veterinary toxicology	VET/07	I	B	4	28	12	MARINI C.	VET/07	SMV
STOCCHI	Food hygiene and technology	Food hygiene	VET/04	I	B	3	21	9	STOCCHI R.	VET/04	SMV
		Principles of food technology	VET/04	I	B	3	21	9	STOCCHI R.	VET/04	SMV
PREZIUSO	Parasitic diseases, Epidemiology and tropical pathology	Parasitic diseases of animals	VET/06	I	B	5	35	15	ESPOSITO F.	VET/06	BB
		Veterinary epidemiology	VET/05	I	B	3	21	9	ATTILI A.R.	VET/05	SMV
		Tropical pathology	VET/05	I	B	3	21	9	PREZIUSO S.	VET/05	SMV
ROSSI	General pathology and physiopathology	General pathology	VET/03	I	B	4	28	12	ROSSI G.	VET/03	SMV
		Physiopathology	VET/03	I	B	3	21	9	ROSSI G.	VET/03	SMV
MARIOTTI	Veterinary pathological anatomy	Veterinary pathological anatomy I	VET/03	II	B	5	42	18	MARIOTTI F.	VET/03	SMV
		Veterinary pathological anatomy II	VET/03	II	B	5	42	18	RENZONI G.	VET/03	SMV
		Necropsy	VET/03	II	B	4	34	14	MAGI G.E.	VET/03	SMV
CATONE	Andrology	Andrology	VET/10	II	B	3	21	9	CATONE G.	VET/10	SMV
		Reproductive pathology	VET/10	II	B	3	21	9	CATONE G.	VET/10	SMV
CUTERI	Infectious diseases, prophylaxis and avian pathology	Infectious diseases, prophylaxis and avian pathology I	VET/05	II	B	4	28	12	CUTERI V.	VET/05	SMV
		Infectious diseases, prophylaxis and avian pathology II	VET/05	II	B	4	28	12	CUTERI V.	VET/05	SMV

* **Legend:**

Tipology of Learning activity:

A=basic

B=special

C=integrative

D=electives

E=final exam and knowledge of English language

F=further linguistic knowledge, computer and relational activities, stage, professional training, etc.

G=aggregated area for credits

School Membership:

SMV =Medical Veterinary Science

ST =Science and Technology

SF =Farmacology

ES =Enviromental Sciences

BB =Bioscience and Biotechnology