



UNIVERSITÀ  
di CAMERINO

## School of BIOSCIENCES AND VETERINARY MEDICINE

### REGULATIONS

#### of the Single-Cycle Second Level Degree Course in **VETERINARY MEDICINE (Class LM-42)**

*Activated in 2017/2018*

- **CERTIFIED ISO 9001:2015** -
- **EAEVE APPROVED IN 2011** -



#### **Art. 1. Organisation of the Study Program**

1. Single-Cycle Second Level Degree Program in Veterinary Medicine (LM-MV) is established at the University of Camerino. The Program is organised in accordance with the provisions set for the class of Second Level Degree Programs in Veterinary Medicine (LM-42), referred to in Ministerial Decree of March 16, 2007 (Official Gazette No. 157 of 09 July 2007, Ordinary Supplement No. 155), and in compliance with Directive 2013/55/EU of 20 November 2013 (Official Gazette of the European Union L354 of 28 December 2013), amending Directive 2005/36/EC of 7 September 2005.
2. The Single-Cycle Second Level Degree Program is activated and managed by the School of Biosciences and Veterinary Medicine and its bodies, as required by the University Statute.
3. Research activities carried out in the School of Biosciences and Veterinary Medicine are consistent with the subject areas that make up the study plan of the Single-Cycle Second Level Degree in Veterinary Medicine.
4. These Regulations govern the organisation of teaching activities for the Single-Cycle Second Level Degree Program, in compliance with applicable laws and regulations in force.

5. The Teaching Plan of the Program, together with the specific educational objectives and the general framework of educational activities, drawn up according to the scheme indicated in the specific ministerial database, are reported in the specific regulatory document of the Italian Ministry of Education, University and Research (*Italian acronym*: MIUR), identified as University Regulations for Teaching Activities (*Italian acronym*: RAD).
6. The location and logistic facilities supporting the teaching activities are normally those of the School of Biosciences and Veterinary Medicine, subject to the possibility that some educational activities may be transferred or held under other study programs of the University of Camerino. Educational and practical professional training (*Italian name*: Tirocinio) activities may be carried out at other teaching educational and scientific facilities of the University of Camerino, as well as at external public and private institutions, within the framework of specific agreements and conventions.
7. The start date of lessons is set annually by the School Board, unless otherwise indicated by the governing bodies of the University.

## **Art. 2. Admission requirements and verification procedures**

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1. For admission to the Single-Cycle Second Level Degree Program, a five-year high-school diploma is required, or a different qualification obtained abroad, recognised as suitable, pursuant to applicable laws.
2. Single-Cycle Second Level Degree in Veterinary Medicine envisages a limited number of students, which is established, year by year, by the competent Ministry, on the basis of the educational potential indicated annually by the School.  
The minimum knowledge required corresponds to that imparted in the senior high school programs for the subjects of biology, chemistry, physics and mathematics.  
The admission exam, prepared by the same Ministry, is unique, of identical content throughout the national territory, and takes place on the same date and at the same time in all universities; the results are assessed through an automated procedure entrusted by the Ministry to the CINECA Consortium.  
The procedure, the evaluation criteria and the discriminating parameters are those established by Ministerial Decree for the academic year of reference.
3. As regards the knowledge of biology, chemistry, physics and mathematics, these will be assessed in relation to the mandatory admission exam, for the limited number of students, which includes specific questions relating to the aforementioned subjects.  
Students who achieve a score lower than one third of the maximum achievable score on the admission exam relating to the knowledge of biology and chemistry, will be assigned additional learning requirements (*Italian acronym*: OFA) for the relative subject; students who have been assigned additional learning requirements (one or more) will have to follow the relative remedial program(s), offered by the Study Program at the beginning of the first semester of the first year. At the end of the remedial program, the student will have to take an exam, the passing of which will lead to the completion of the additional learning requirements.  
The outcome of the exam will also be considered positive (passing), and consequently the additional learning requirements will be considered fulfilled, in the event that the student, despite not having taken the final exam relating to the obligatory remedial program, passes the following exams of the first year: "Chemistry and Biochemistry and Veterinary Biochemistry", as regards the requirements for chemistry, and "Zoology and Botany", as regards the requirements for biology. Completion of the remedial program and fulfilment of additional learning requirements is a prerequisite for registering for the exams of the second year of the Degree Program.

### **Art. 3. Duration of the Study Program**

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1. The normal duration of the Program is 5 years. In order to obtain the Degree, the student must acquire 300 ECTS credits, according to the provisions of the University Regulations for Teaching Activities.
2. The average amount of overall learning commitment, employed in a year by a student engaged in full-time university studies, is conventionally fixed at 60 credits.
3. The credits corresponding to each educational activity are acquired by the student by passing the exam or other form of assessment, carried out according to the procedures defined in the University Didactic Regulations and in Art. 9 of these Regulation.
4. To access the Program years subsequent to the first, the student must have acquired, on 10 October of each year (deadline for enrolment), the following number of ECTS credits:
  - transition from the 1<sup>st</sup> to the 2<sup>nd</sup> year: at least 40 ECTS credits;
  - transition from the 2<sup>nd</sup> to the 3<sup>rd</sup> year: at least 70 ECTS credits;
  - transition from the 3<sup>rd</sup> to the 4<sup>th</sup> year: at least 100 ECTS credits;
  - transition from the 4<sup>th</sup> to the 5<sup>th</sup> year: at least 170 ECTS credits.

### **Art. 4. Educational Pathways and Study Plans**

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1. The Program is not divided into *curricula*.
2. The Study Plans, referred to in Annex 1, are determined and published each year in the Student Guide and in the Single Annual File (*Italian acronym: SUA*) for the Study Program, which also provides the space for students' independent choices (e.g. elective courses).
3. For part-time students, the career plan may be extended over a longer duration period than the normal one.

### **Art. 5. Table of educational activities and the teachers in charge**

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1. Each year, as an annex to the Student Guide, tables are published with details of the information relating to the educational activities that will take place in the academic year of reference, and the names of the teachers in charge of the same activities.

### **Art. 6. Information on teachers (curricula), programs of single educational activities, information on teaching facilities**

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1. Programs of single educational activities and the description of the same are made available by the teachers via the University website, in the "Educational Offer" section.
2. On that same website of the University, it is possible to access the *curricula* of the teachers assigned to the Study Program, and the description of the teaching and scientific facilities available.

### **Art. 7. Educational activities**

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1. Educational activities take place according to a program divided into two teaching periods
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(semesters), approved by the School Board and published each year on the website of the University and that of the School.

2. The list of educational activities, with the indication of the Academic Disciplines (*Italian acronym: SSD*) of reference, the typology, the division in modules, and the related academic credits (ECTS credits), as well as the distribution over different years of the program, are set out in Annex 1, This list, and all the other relevant related information are also published annually on the University website, in the "Educational offer" section.
3. The organization of modules, if any, and the duration of the teaching activities, are established according to the instructions of the School. Educational activities (lessons and exams) are held according to the schedule established annually by the School Board and communicated in advance.
4. Curricular educational activities may be of two types: single-subject teaching activities and combined (as modules) teaching activities.  
For all types of activities, each credit is equivalent to 10 hours of face-to-face lessons/activities and 15 hours of personal study and individual activities, with the exception of some basic, related or supplementary activities, indicated in Annex 1, for which the credit is equivalent to 7 hours of face-to-face lessons/activities and 18 hours of personal study and individual activities.  
The activities related to *Tirocinio* have a credit characterisation equal to 7 hours of assisted teaching and 18 hours of personal study and individual practical activities.  
In the context of hours assigned to face-to-face teaching activities, depending on the subject, a 30% (20% for some basic activities) is reserved for practical activities of the pertaining subjects. There is a survey system aimed at producing documents that certify every activity carried out by the student, consisting, for example, of the compilation of predefined forms or of drafting of reports. This documentation is kept by the teacher as evidence of the actual participation in the activities.
5. Elective educational activities, autonomously chosen by the student (activity "D"), provided they are consistent with the educational objectives of the Degree Course, are recognised in accordance with applicable regulations. Even if the free choice of the students remains inviolable, the School, in order to facilitate the acquisition of credits relating to activities "D", will propose, every year, a list of subjects / teaching activities to be held in the following academic year, useful for the acquisition of said credits. If students intend to make use of this opportunity, they must choose among the educational activities proposed by the School. Only the subjects / activities that have received a number of not less than 5 students' elections are activated.
6. The *Tirocinio*, as organised and described in the relevant "*Tirocinio* Regulations" is carried out for small groups of students at the teaching facilities of the School or at qualified public or private facilities accredited by the School Board. The list of the latter is made public and constantly updated.  
A certification system similar to that described for the other practical activities is also envisaged for the *Tirocinio*.  
In the event that the *Tirocinio* is carried out at affiliated institutions, at the request of the teacher concerned and subject to the stipulation of a specific agreement, the School may appoint a "tutor" to guarantee the performance of the activities, it being understood that the judgment on the suitability of the activities performed and, therefore, the final certification, remains the responsibility of the teacher.  
*Tirocinio* is carried out in 4 professional areas:  
I – Internal Medicine, Prophylaxis and Avian Pathology  
II - Clinical Surgery and Obstetrics  
III - Food Inspection  
IV - Zootechnics  
The sectors involved with the relative ECTS credits are indicated in the study plan. For each of these groups of subjects, the School Board identifies a person in charge for among the teachers of the Academic Disciplines concerned.

For the students enrolled in the third and fifth year of the program, periods of intensive practical activity are foreseen, in the pathological anatomy sector and in the clinical sectors, respectively. In the anatomy-pathology sector, each student is expected to enrol in a working group, each

made up of 3-4 students, in order to carry out a practical training lasting one week, aimed at in-depth study of diagnostic necropsy, correct necropsy reporting, management of the pathological sample, and cyto-histopathological and immunohistochemical analysis. This activity is carried out entirely in the morphology laboratories and the necropsy room of the School.

Practical activity in the clinical sectors is aimed at acquiring internal, surgical and obstetric-gynaecological manual skills to be carried out on the various domestic animal species. Part of this activity is carried out at the clinical facilities of the School, while part is carried out under the supervision of appointed Practitioners, with whom the students will carry out practical activities in the field.

Some of the skills acquired during the performance of different practical activities, in whatever context, must be certified by the teachers of the related subjects in the specific individual logbook of practical competences acquired, "*day-one skills / competences*", which will be handed to the students at the time of registration.

The compilation of the logbook in its entirety, and submission of the same at the end of the Study Program, is indispensable requirements for the attainment of the Degree.

7. In accordance with applicable regulations, students may obtain recognition of educational activities not organised by the University, as long as they are accredited by the School and consistent with the educational objectives of the Program.
8. It is possible to participate in educational activities in other Italian or foreign universities within the framework of international agreements and programs, inter-university agreements or specific agreements with other universities, or institutions of similar cultural relevance, approved by the School Board.

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#### **Art. 8. Exams and Other Assessments of Students**

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1. For each educational activity, there is an evaluation of individual knowledge and skill acquired (exam). For educational activities divided into modules, the exams are, in any case, unitary and collegial. Exams may be in a practical and/or written and/or oral form. If an exam is divided into several forms, each of them is intended as a prerequisite for accessing the next one. By passing the exam, students obtain the ECTS credits attributed to the relative educational activity. The methods for carrying out the final exam are indicated at the beginning of each educational activity by the teacher in charge of the same. The ways in which the exams of an educational activity are carried out must be the same for all students and must always respect what was established and communicated at the beginning of the activity.
2. The acquisition of the ECTS credits for elective activities, chosen by the student, takes place upon passing the exam, both as regards the teaching activities proposed by the School, and for those acquired by the student in other Degree Programs at the same or another University, as long as they are consistent with the educational objectives of the Single-Cycle Second Level Degree in Veterinary Medicine.
3. For the evaluation of knowledge of a foreign language, the expected learning result is level B2 (FCE). Certifications of the attainment of this level by internationally recognised certification bodies may be considered equivalent, subject to a resolution of the School Board.
4. The acquisition of credits relating to the *Tirocinio* takes place for the single professional areas referred to in Art. 7, Point 6, with the same procedures envisaged for the exams.
5. The period for holding the exam sessions is set at the beginning of each year and is published on the University website, in the "Educational Offer" section. The exams calendar includes at least eight (8) exam sessions, distributed throughout the academic year.
6. The lessons schedule and exams calendar are prepared by the Teaching Manager, in agreement with the Degree Program Coordinator, approved by the School Board, and made public on the University website.

7. The exams calendar is communicated well in advance. The publicity of the lessons schedule and of the exams calendar, is ensured in the broadest possible ways and by all means available. The same goes for any other teaching activity, including teachers' office hours.
8. If, for justified reasons, an exam session has to be postponed or the scheduled teaching activity cannot be carried out, the teacher must promptly inform the students and the School Director or the Degree Program Coordinator, in accordance with applicable regulations.
9. The exam dates, once set, may not be anticipated in any case. The interval between two successive exams in the same session is at least 14 consecutive days.
10. Examining commissions are appointed by the School Director. They consist of at least two members and are chaired by the teacher in charge of the subject. The members, other than the President, may be other professors, researchers, or experts on the subject, as long as they are officially part of the Commission appointed by the Director. Recognition as an expert on the subject is approved by the School Board.
11. President of the Commission informs the students of the outcome of the exam, and of the grade obtained, before the official announcement of the result; up to this announcement, students may withdraw from the exam without consequences for his/her personal curriculum.
12. Students are examined according to the registration order, also taking into account the specific or proven needs of working students.
13. The grade obtained is expressed using a grading scale from 1/30 to a maximum of 30/30, and the exam is considered passed if the score is greater than or equal to 18/30. Honours (*cum laude*) may be granted unanimously, if the final grade is 30.
14. The exams and the communication of the final grade are public.

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**Art. 9. Preliminary Exams, Obligations, Attendance**

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1. The following mandatory preliminary exams are envisaged:

The exams listed in Column **A** must be taken before the exams listed in Column **B**:

Column A	Column B
<ul style="list-style-type: none"> <li>▪ Veterinary Histology, Embryology and Microscopic Anatomy</li> </ul>	Anatomy of Domestic Animals
<ul style="list-style-type: none"> <li>▪ Chemistry and Biochemical Propaedeutics, and Animal Biochemistry</li> <li>▪ Zoology and Botany</li> </ul>	Microbiology and Epidemiology
<ul style="list-style-type: none"> <li>▪ Chemistry and Biochemical Propaedeutics, and Animal Biochemistry</li> <li>▪ Anatomy of Domestic Animals</li> </ul>	General Physiology of Domestic Animals and Ethology
<ul style="list-style-type: none"> <li>▪ Zoology and Botany</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Chemistry and Biochemistry Propaedeutics, and Animal Biochemistry</li> </ul>	Veterinary methodologies in chemistry and biochemistry
<ul style="list-style-type: none"> <li>▪ General Physiology of Domestic Animals and Ethology</li> </ul>	Special Physiology and Endocrinology of Domestic Animals
<ul style="list-style-type: none"> <li>▪ Biostatistics and Informatics</li> </ul>	General Zootechnics

Column A	Column B
<ul style="list-style-type: none"> <li>▪ General Zootechnics</li> <li>▪ Special Physiology and Endocrinology of Domestic Animals</li> </ul>	Zoocultures and Special Zootechnics
<ul style="list-style-type: none"> <li>▪ Special Physiology and Endocrinology of Domestic Animals</li> </ul>	Animal Nutrition and Feeding
<ul style="list-style-type: none"> <li>▪ Microbiology and Epidemiology</li> <li>▪ Veterinary methodologies in chemistry and biochemistry</li> <li>▪ Special Physiology and Endocrinology of Domestic Animals</li> </ul>	General Pathology and Physiopathology
<ul style="list-style-type: none"> <li>▪ Special Physiology and Endocrinology of Domestic Animals</li> </ul>	Veterinary Pharmacology and Toxicology
<ul style="list-style-type: none"> <li>▪ Microbiology and Epidemiology</li> </ul>	Food Hygiene and Technology
<ul style="list-style-type: none"> <li>▪ Zoocultures and Special Zootechnics</li> <li>▪ General Pathology and Physiopathology</li> </ul>	Parasitology and Parasitic Diseases of Animals Infectious Diseases of Animals
<ul style="list-style-type: none"> <li>▪ General Pathology and Physiopathology</li> </ul>	Andrology and Male Reproductive Diseases
<ul style="list-style-type: none"> <li>▪ Parasitology and Parasitic Diseases of Animals</li> </ul>	Pathological Anatomy and Necropsy
<ul style="list-style-type: none"> <li>▪ Hygiene and Technology</li> <li>▪ Veterinary Pathological Anatomy and Necropsy</li> </ul>	Hygienic and Health Control and Certification of Food
<ul style="list-style-type: none"> <li>▪ Andrology and Male Reproductive Diseases</li> <li>▪ Veterinary Pathological Anatomy and Necropsy</li> </ul>	Veterinary Obstetrics and Gynaecology
<ul style="list-style-type: none"> <li>▪ Animal Nutrition and Feeding</li> <li>▪ Veterinary Pathological Anatomy and Necropsy</li> </ul>	Internal Medicine Propaedeutics and Pathology
<ul style="list-style-type: none"> <li>▪ Veterinary Pathological Anatomy and Necropsy</li> </ul>	Surgery Propaedeutics and Pathology
<ul style="list-style-type: none"> <li>▪ Veterinary Pharmacology and Toxicology</li> <li>▪ Internal Medicine Propaedeutics and Pathology</li> </ul>	Internal Medicine, Therapy and Forensic Medicine
<ul style="list-style-type: none"> <li>▪ Veterinary Pharmacology and Toxicology</li> <li>▪ Surgery Propaedeutics and Pathology</li> </ul>	Veterinary anaesthesiology and surgery

**Students must comply with the prerequisites (preliminary exams) indicated above, under penalty of cancellation of the exam.**

2. Attendance is mandatory for all teaching activities included in the study plan. The certificate of attendance is attested at the end of the semester by the School Board, in its first meeting, on the recommendation of the teacher in charge of the teaching activity, and replaces the certificate of attendance issued to each student.

#### **Art. 10. Educational Support Services**

1. A variety of Support Services is available for all enrolled students, organised independently by the Study Program or designed in collaboration with the University, useful for optimal realisation of the educational pathway. The services are also designed to provide personalised support, if

needed.

2. The information regarding Student Support Services is published each year in the Student Guide and in the specific sections on the University website.

#### **Art. 11. Final Exam**

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1. After having passed all the exams for the educational activities included in the Study Plan, the students are allowed, in the manners specified in the special "Regulations for the Request / Presentation of the Degree Thesis", to take the final exam, which consists in the production and discussion of a written paper (thesis) on a specific topic concerning the subject areas present in the curriculum. The paper must have original elements, even if it may be characterised as a state-of-art summary review which, however, must highlight the issues of particular interest and/or topicality.
2. The final exam is prepared under the guidance of a Supervisor, teacher of the Study Program, possibly accompanied by a Co-Supervisor, who is the guarantor of the method followed and the correctness of the proposed interpretation.
3. The assignment of the topic on which the final paper will focus must be agreed with the Supervisor, and the related request submitted at least one year before the session in which the student intends to graduate, as described in the related Regulations in the Appendix.
4. The final evaluation of a student's career must consider the evaluations regarding both the previous educational activities and the final exam. Passing the final exam determines the automatic acquisition of the credits assigned to such exam.
5. The degree grade is calculated by adding the arithmetic average of the grades obtained in the exams expressed on a scale of 110, and the grade obtained in the final exam. The latter takes into account, as a priority, the time spent by the student on the elaboration of the thesis, the results obtained and presentation of the same. The Degree Commission has a maximum of 10 points at its disposal, and also assigns 2 additional points to graduate students enrolled in the ongoing fifth year and 1 point to graduate students enrolled in the first year "off-course" (for students who have not completed their exams within the set time period). There is no criterion that provides for differences in evaluation between compilation theses and experimental theses.
6. Honours (*cum laude*) are awarded unanimously as per the University Teaching Regulations, on the proposal of the President of the Commission, if the candidate exceeds the score 110 and/or based on the attribution of honours for the university exams taken.

#### **Art. 12. Enrolment and Attendance of Single Educational Activities**

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1. For the purpose of a subsequent continuation of academic career, for cultural updating, or for integration of student's professional skills, the possession of the requisites set by the University Teaching Regulations, necessary to enrol in a Study Program, also allows enrolment in one or more educational activities included in the same.
2. In the event that the student subsequently enrolls in the Single-Cycle Second Level Degree Program in Veterinary Medicine, the attendance and/or passing of the exams taken as a student enrolled in single educational activities may be recognised and validated.



### **Art. 13. Recognition of Credits in Case of Changes, Transfers and Additional Degrees**

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1. For the recognition of ECTS credits acquired in another Study Program at the University of Camerino or at another University, the School Board shall validate the exams taken by the student deemed consistent with the educational objectives of the Single-Cycle Second Level Degree in Veterinary Medicine, expressly indicating the type of educational activity, the subject area, the academic discipline, and the number of ECTS credits covered in the related Teaching Plan, as well as the year of the program in which the student is enrolled, based on the number of validated exams and according to the criteria established in Art. 3, Point 4. The non-recognition of credits must be justified.
2. The maximum number of credits that may be recognised is determined by applicable regulations and by the distribution of credits, as established by the Teaching Plan of the Program (University Regulations for Teaching Activities)
3. The exams taken in other contexts and not included in the Academic Disciplines indicated in the Teaching Plan of the Single-Cycle Second Level Degree Program in Veterinary Medicine, or exceeding the limits referred to in Point 1 above, may be recognised, at the request of the student, as elective educational activities, provided they are consistent with the educational objectives of the Degree Program, up to the maximum number of ECTS credits provided for this type of activities in the Teaching Plan.
4. The ECTS credits of the same Degree Program at another recognised Italian or foreign University are considered valid if acquired in an adequate number in the same subject areas. Credits acquired under the Erasmus program and those deriving from extra-curricular educational and work experiences shall be recognised.
5. Students who intend to transfer from other institutions or departments must submit the requested documentation by 5 September of each year. Transfers may only take place within the limit of the vacancies made available as a result of withdrawals, transfers and dropouts occurring in the program year of reference, in relation to the number of students previously defined for that generation of students in the annual planning decrees. Transfers from other Universities of students enrolled in a Study Program in Veterinary Medicine for a number of academic years exceeding the legal duration of the Study Program shall not be allowed.
6. Enrolment in years subsequent to the first year of the Study Program, by students coming from an EU or non-EU university, shall always be subject to the assessment, by the School, of the educational pathway completed by the student requesting the transfer, with particular regard to the peculiarities of the degree program, the exams taken, the theoretical studies completed and the practical experiences acquired at the University of origin, as well as the limit of the number of places available, as per Point 5.

### **Art. 14. Changes to the Regulations**

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1. Teaching Regulations of the Study Program are approved by the School Board, which submits it to revision at least every three years.
2. For all the matters not covered by these Regulations, the provisions contained in the Teaching Regulations of the University, University Regulations governing the administrative procedures relating to students' careers, and provisions of any other applicable laws in force shall apply.

### **Art. 16. Transitory Provisions**

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1. These Regulations enter into force by Rector's Decree.

2. In their first implementation, these Regulations also apply to the generations of students in the years 2016/2017, 2015/2016, 2014/2015 and 2013/2014, enrolled in the Degree Programs governed by the 2008 Regulations. For these generations of students, the Regulations shall be reformulated on the basis of the 2017 Degree Program Regulations, unless explicitly requested otherwise by the student.
3. The recognition of ECTS credits for the exams taken shall be based on the “Table for the Recognition of ECTS credits upon change of Degree Program Regulations”, made available to the students in the Student Guide, and published on the University website (“Educational Offer” section) and on the School website, and set forth in Annex 2. All attendance attested in the previous Teaching Plan shall be recognised.

Annex 1 - STUDY PLAN

Annex 2 - TABLE FOR THE RECOGNITION OF ECTS CREDITS UPON CHANGE OF DEGREE PROGRAM REGULATIONS

## Annex 1 – STUDY PLAN

### SINGLE-CYCLE SECOND LEVEL DEGREE IN VETERINARY MEDICINE (LM-42) – The 2017 Program Regulations

1 <sup>st</sup> year								
Number	EDUCATIONAL ACTIVITIES Teaching units	ACADEMIC DISCIPLINE	ECTS credits	Type of activity (*)	Hours and type of teaching activity		Hours of individual activity	EXAMS
					L*	P-A*		
<b>1<sup>st</sup> SEMESTER</b>								
1.	<b>Biostatistics and Informatics</b>	ING-INF/05	5	B	28	7	90	1 (grade)
	<b>Chemistry and Biochemical Propaedeutics</b>	CHIM/03-06	6	A	34	8	108	Exam with Veterinary Biochemistry
2.	<b>Zoology and Botany</b>	BIO/03-05	6	A	34	8	108	1 (grade)
3.	<b>Veterinary Histology, Embryology and Microscopic Anatomy</b>	VET/01	9	A	72	18	135	1 (grade)
<b>2<sup>nd</sup> SEMESTER</b>								
4.	<b>Anatomy of Domestic Animals</b>		13	A	104	26	195	1 (grade)
	Systematic and Comparative Veterinary Anatomy	VET/01	8		64	16	120	
	Topographical Veterinary Anatomy		5		40	10	75	
5.	<b>Veterinary Biochemistry</b>	BIO/10	6	A	34	8	108	1 (grade)
6.	<b>Agricultural Law and Economics</b>	AGR/01 - IUS/03	6	C	42		108	1 (grade)
7.	<b>General Zootechnics</b>	AGR/17	5	B	40	10	75	1 (grade)
<b>Total</b>			<b>56</b>		<b>388</b>	<b>85</b>	<b>927</b>	<b>7</b>

#### Legend:

#### Type Educational Activity:

- A.** Basic Educational Activity
- B.** Characterising Educational Activity
- C.** Related or Integrative Educational Activity
- D.** Elective Educational Activity
- E.** For the final exam and for the knowledge of the foreign language
- F.** Other Activities (Internship)
- L:** Face-to-face lessons in the classroom
- P-A:** Practical/Applicable Activity

2 <sup>nd</sup> Year								
Number	EDUCATIONAL ACTIVITIES Teaching units	ACADEMIC DISCIPLINE	ECTS credits	Type of activity (*)	Hours and type of teaching activity		Hours of individual activity	EXAMS
					L*	P-A*		
<b>1<sup>st</sup> SEMESTER</b>								
1.	<b>General Physiology of Domestic Animals and Ethology</b>	VET/02	8	A	64	16	120	1 (grade)
2.	<b>Veterinary Methodologies in Chemistry and Biochemistry</b>	BIO/12	6	A	34	8	108	1 (grade)
3.	<b>Microbiology and Epidemiology</b>	VET/05	8	B	56	24	120	1 (grade)
4.	<b>English Language</b>	L-LIN/12	6	E	60		90	Interview (Suitability)
<b>2<sup>nd</sup> SEMESTER</b>								
5.	<b>Special Physiology and Endocrinology of Domestic Animals</b>		10	A	80	20	150	1 (grade)
	Special-Veterinary Physiology		5		40	10	75	
	Veterinary Endocrinology	VET/02	5		40	10	75	
6.	<b>Animal Nutrition and Feeding</b>	AGR/18	6	B	48	12	90	1 (grade)
7.	<b>Zoocultures and Special Zootechnics</b>		10	B	80	20	150	1 (grade)
	Aviculture and Aquaculture	AGR/20	5		40	10	75	
	Special Zootechnics and Breeding Techniques	AGR/19	5		40	10	75	
	<b>Tirocinio in Zootechnics</b>	AGR/17	5	F		35	90	(Eligibility)
	<b>Total</b>		<b>59</b>		<b>422</b>	<b>135</b>	<b>918</b>	<b>6</b>

3 <sup>rd</sup> Year								
Number	EDUCATIONAL ACTIVITIES Teaching units	ACADEMIC DISCIPLINE	ECTS credits	Type of activity (*)	Hours and type of teaching activity		Hours of individual activity	EXAMS
					L*	P-A*		
<b>1<sup>st</sup> SEMESTER</b>								
1.	<b>Veterinary Pharmacology and Toxicology</b>	VET/07	9	B	63	27	135	1 (grade)
2.	<b>Food Hygiene and Technology</b>	VET/04	7	B	49	21	105	1 (grade)
	<b>Parasitology and Parasitic Diseases of Animals</b> (Parasitology)	VET/06	[9] 4	B	[63] 28	[27] 12	[135]	Exam in the 2 <sup>nd</sup> semester
3.	<b>General Pathology and Physiopathology</b>	VET/03	7	B	49	21	105	1 (grade)
<b>2<sup>nd</sup> SEMESTER</b>								
4.	<b>Veterinary Pathological Anatomy and Necropsy</b>	VET/03	13	B	91	39	195	1 (grade)
5.	<b>Infectious Diseases of Animals</b>		12	B	84	36	180	1 (grade)
	Infectious Diseases of Mammals and Animal Health Measures		6		42	18	90	
	Diseases of Avian Species and of Lagomorphs	VET/05	3		21	9	45	
	Exotic Diseases and Emerging Zoonotic Diseases		3		21	9	45	
6.	<b>Parasitology and Parasitic Diseases of Animals</b> (Parasitic Diseases of Animals)	VET/06	[9] 5	B	[63] 35	[27] 15	[135]	1 (grade)
<b>Total</b>			<b>57</b>		399	171	855	<b>6</b>

4 <sup>th</sup> Year								
Number	EDUCATIONAL ACTIVITIES Teaching units	ACADEMIC DISCIPLINE	ECTS credits	Type of activity (*)	Hours and type of teaching activity		Hours of individual activity	EXAMS
					L*	P-A*		
<b>1<sup>st</sup> SEMESTER</b>								
1.	<b>Andrology and Male Reproductive Diseases</b>	VET/10	6	B	42	18	90	1 (grade)
2.	<b>Hygienic and Health Control and Certification of Food</b>		14	B	98	42	210	1 (grade)
	Control and Certification of Fresh Products		7		49	21	105	
	Control and Certification of Processed Products	VET/04	7		49	21	105	
3.	<b>Internal Medicine Propaedeutics and Pathology</b>	VET/08	10	B	70	30	150	1 (grade)
<b>2<sup>nd</sup> SEMESTER</b>								
4.	<b>Veterinary Obstetrics and Gynaecology</b>	VET/10	8	B	56	24	120	1 (grade)
5.	<b>Surgery Propaedeutics and Pathology</b>	VET/09	9	B	63	27	135	1 (grade)
6.	<b>Radiology, Diagnostic Imaging, Instrumental and Laboratory Diagnostics</b>	VET/08 - VET/09	7	C	49	21	105	1 (grade)
	<b>Tirocinio in Food Inspection</b>	VET/04-03	8	F		56	144	(Eligibility)
	<b>Total</b>		62		378	218	954	6

5 <sup>th</sup> Year								
Number	EDUCATIONAL ACTIVITIES Teaching units	ACADEMIC DISCIPLINE	ECTS credits	Type of activity (*)	Hours and type of teaching activity		Hours of individual activity	EXAMS
					L*	P-A*		
<b>1<sup>st</sup> SEMESTER</b>								
1.	<b>Veterinary Anaesthesiology and Surgery</b>	VET/09	11	B	77	33	165	1 (grade)
2.	<b>Internal Medicine, Therapy and Forensic Medicine</b>	VET/08	13	B	91	39	195	1 (grade)
	<b>Elective Courses</b>		8	D			200	1 (grade)
<b>2<sup>nd</sup> SEMESTER</b>								
	<b>Tirocinio in Internal Medicine, Prophylaxis and Avian Pathology</b>	VET/08 – VET/05	14	F		98	252	(Eligibility)
	<b>Tirocinio in Clinical Surgery and Obstetrics</b>	VET/09 – VET/10	12	F		84	216	(Eligibility)
	<b>Final Exam</b>		8	E			200	
	<b>Total</b>		66		168	254	1228	3

**Annex 2 - TABLE FOR THE RECOGNITION OF ECTS CREDITS UPON CHANGE OF DEGREE PROGRAM REGULATIONS**

**SINGLE-CYCLE SECOND LEVEL DEGREE IN VETERINARY MEDICINE (LM-42)  
 CHANGE OF THE DEGREE PROGRAM REGULATIONS AS OF YEAR 2008 TO DEGREE PROGRAM REGULATIONS AS OF  
 YEAR 2017: RECOGNITION OF ECTS CREDITS FOR THE EXAMS TAKEN**

THE 2008 PROGRAM REGULATIONS Study Plan 2011				THE 2017 PROGRAM REGULATIONS Study Plan 2017				
EXAM	ACADEMIC DISCIPLINE	ECTS credits	HOURS	EXAM	ACADEMIC DISCIPLINE	ECTS credits	HOURS	E/S *
Biostatistics and Informatics	ING-INF/05	5	35	Biostatistics and Informatics	ING-INF/05	5	35	E
Chemistry and Biochemical Propaedeutics, and Veterinary Biochemistry	CHIM/03 CHIM/06 BIO/10	2	84	Chemistry and Biochemical Propaedeutics	CHIM/03 CHIM/06	12	84	E
Zoology and Botany	BIO/05-03	6	42	Zoology and Botany	BIO/05-03	6	42	E
Veterinary Histology, Embryology and Microscopic Anatomy	VET/01	9	90	Veterinary Histology, Embryology and Microscopic Anatomy	VET/01	9	90	E
Anatomy of Domestic Animals	VET/01	13	104	Anatomy of Domestic Animals	VET/01	13	104	E
Agricultural Economics	AGR/01	5	35	Agricultural Law and Economics	AGR/01-IUS/03	6	42	E
General Zootechnics	AGR/17	5	40	General Zootechnics	AGR/17	5	40	E
General Physiology of Domestic Animals and Ethology	VET/02	8	80	General Physiology of Domestic Animals and Ethology	VET/02	8	80	E
Veterinary methodologies in chemistry and biochemistry	BIO/12	6	42	Veterinary methodologies in chemistry and biochemistry	BIO/12	6	42	E
Microbiology and Epidemiology	VET/05	7	70	Microbiology and Epidemiology	VET/05	8	80	E
English Language - Level B2	L-LIN/12	4	60	English Language - Level B2	L-LIN/12	6	60	E
Special Physiology and Endocrinology of Domestic Animals	VET/02	0	100	Special Physiology and Endocrinology of Domestic Animals	VET/02	10	100	E
Animal Nutrition and Feeding	AGR/18	6	60	Animal Nutrition and Feeding	AGR/18	6	60	E
Zoocultures and Special Zootechnics	AGR/19-20	11	110	Zoocultures and Special Zootechnics	AGR/19-20	10	100	E
<i>Tirocinio</i> in Zootechnics	AGR/17	5	35	<i>Tirocinio</i> in Zootechnics	AGR/17	5	35	E
Pharmacology and Toxicology	VET/07	9	90	Veterinary Pharmacology and Toxicology	VET/07	9	90	E
Food Hygiene and Technology	VET/04	6	60	Food Hygiene and Technology	VET/04	7	70	E
Parasitology and Parasitic Diseases of Animals	VET/06	9	90	Parasitology and Parasitic Diseases of Animals	VET/06	9	90	E
General Pathology and Physiopathology	VET/03	7	70	General Pathology and Physiopathology	VET/03	7	70	E
Veterinary Pathological Anatomy and Necropsy	VET/03	13	130	Veterinary Pathological Anatomy and Necropsy	VET/03	13	130	E
Andrology and Male Reproductive Diseases	VET/10	6	42	Andrology and Male Reproductive Diseases (4 <sup>th</sup> Year)	VET/10	6	42	E
Infectious Diseases of Animals	VET/05	12	120	Infectious Diseases of Mammals and Health Measures	VET/05	12	120	E
Hygienic and Health Control and Certification of Food	VET/09	14	140	Hygienic and Health Control and Certification of Food	VET/09	14	140	E



THE 2008 PROGRAM REGULATIONS Study Plan 2011				THE 2017 PROGRAM REGULATIONS Study Plan 2017				
EXAM	ACADEMIC DISCIPLINE	EXAM	ACADEMIC DISCIPLINE	EXAM	ACADEMIC DISCIPLINE	EXAM	ACADEMIC DISCIPLINE	EXAM
Propaedeutics, Pathology and Internal Medicine, Diagnostic Imaging, and Laboratory Diagnostics of Companion Animals	VET/08	12	120	Internal Medicine Propaedeutics and Pathology	VET/08	10	100	E
Internal Medicine Propaedeutics, Pathology and Clinics, Diagnostic Imaging, and Laboratory Diagnostics of Food Producing Animals	VET/08	11	110	Internal Medicine, Therapy and Forensic Medicine	VET/08	13	130	E
Anaesthesiology, Surgery, Propaedeutics, Pathology, and Clinics of Companion Animals	VET/09	12	120	Surgery Propaedeutics and Pathology	VET/09	9	90	E
Anaesthesiology, Surgery, Propaedeutics, Pathology, and Clinics of Food Producing Animals	VET/09	8	80	Veterinary Anaesthesiology and Surgery	VET/09	11	110	E
Elective (optional) Courses		9	90	Elective (optional) Courses		8	80	E
Activity "D" - Diagnostic and Interventional Radiology	VET/09	5	50	Radiology, Diagnostic Imaging, Instrumental and Laboratory Diagnostics (11)	VET/08-09	7	70	E
Veterinary Obstetrics and Gynaecology	VET/10	8	80	Veterinary Obstetrics and Gynaecology (4 <sup>th</sup> Year, 2 <sup>nd</sup> Semester)	VET/10	8	80	E
Forensic Medicine, Veterinary Legislation and EU laws		7	70	Internal Medicine, Therapy and Forensic Medicine		4	40	S
				Agricultural Law and Economics		6	30	E
<i>Tirocinio</i> in Food Inspection	VET/04-03	9	63	<i>Tirocinio</i> in Food Inspection (4 <sup>th</sup> Year)	VET/04-03	8	56	E
<i>Tirocinio</i> in Internal Medicine, Prophylaxis and Avian Pathology	VET/08-05	15	105	<i>Tirocinio</i> in Internal Medicine, Prophylaxis and Avian Pathology	VET/08-05	14	98	E
<i>Tirocinio</i> in Clinical Surgery and Obstetrics	VET/09-10	13	91	<i>Tirocinio</i> in Clinical Surgery and Obstetrics	VET/09-10	12	84	E

\* E = exam/activity fully validated

\* S = reporting (partial recognition)