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UNIVERSITY OF TRÁS-OS-MONTES AND ALTO DOURO

Academic Services

Notice no. 14938/2022

Summary: Alteration to the integrated master's degree course in Veterinary Medicine.

The proposal of the School of Agricultural and Veterinary Sciences was approved under the provisions of Article 76 of Decree-Law No. 74/2006 of March 24, republished by Decree-Law No. 65/2018 of August 16, the amendment of the study plan of the Integrated Master in Veterinary Medicine, published in the *Official Gazette* (2nd series), No. 43 of March 3, Order No. 2306/2015. The change to the study plan that is published below was communicated to the Directorate General of Higher Education on June 2nd, 2022, in by stipulations of Order no. 5357/2016, and registered under number R/A-Ef 2202/2011/AL02 on June 23rd 2022.

18/07/2022. - The Rector, *Emídio Ferreira dos Santos Gomes*.

Regulations of the Integrated Master's Degree Course in Veterinary Medicine

Article 1

Scope

The University of Trás-os-Montes e Alto Douro, hereinafter UTAD, confers the degree of Master of Veterinary Medicine.

Article 2

Legal framework

The present regulation aims to develop and complement the legal regime established by Decree-Law no. 74/2006, of March 24, as amended by Decree-Law no. 65/2018, of August 16, and by the internal rules governing the regime of studies leading to the master's degree at UTAD.

Article 3

Goals

The Integrated Master in Veterinary Medicine, hereinafter referred to as MIMV, has as its main objectives:

- a) Acquisition of skills in the field of companion animal, equine, zootechnical aptitude (livestock), exotic, wild, and zoo species;
- b) Acquisition of skills to assist companies: in the field of nutrition and feed production, production of animal medicines, in the field of biotechnology and diagnostics;
- c) Acquisition of skills in food technology comprising the study of processes for obtaining food products of animal origin;
- d) Acquisition of skills in the field of food safety for the exercise of functions in private or public companies, specifically about the tasks inherent in the function of the Official Veterinarian in terms of audits and Health Inspection of food of animal origin, thus ensuring its hygienic quality and food safety;
- e) Acquisition of skills to perform functions in national, European, and international bodies,



responsible for regulatory actions in Animal Health and Public Health;

f) Acquisition of skills for teaching and in the various aspects of research.

Article 4

Organization

1 - The course is structured in accordance with the European Credit Transfer and Accumulation System (ECTS) under the terms of Decree Law 42/2005, of February 22, and subsequent legislation, and applicable internal regulations.

2 - The MIMV study cycle has 330 ECTS and normal duration of 11 curricular semesters of work.

3 - The completion of 180 ECTS corresponding to the first six curricular semesters of work, in accordance with the provisions of paragraph 3 of Article 19 of Decree-Law No. 74/2006 of March 24, as amended by Decree-Law No. 65/2018 of August 16, confers the degree of Bachelor of Basic Studies in Veterinary Sciences.

Article 5

Structure of the study cycle

1 - The curriculum structure and syllabus are presented in the appendix.

2 - The MIMV study cycle includes:

a) A curricular component, consisting of an organized set of curricular units, corresponding to 10 semesters and 300 ECTS;

b) A scientific dissertation that corresponds to one academic semester and 30 ECTS;

c) The curricular teaching component consists of compulsory course units (297 ECTS) and optional course units (3 ECTS).

Article 6

Clinical Skills Log Book

1 - In order to guide MIMV students through their clinical training, a physical document is created to record these activities, which is referred to hereafter as the Clinical Skills Book.

2 - The Book of Clinical Skills is a record book, where the essential pre-clinical and clinical practice skills that the student must acquire are listed, and whose execution is verified by MIMV teachers, veterinary doctors of the UTAD Veterinary Hospital, and internship supervisors under an inter-institutional protocol.

3 - The Clinical Skills Book is personal and non-transferable, and is distributed to each student upon admission to MIMV.

4 - The full completion of the Book of Clinical Skills is a mandatory requirement for completion of the MIMV, and must be delivered to the Secretary of the Department of Veterinary Sciences at UTAD by the date of submission of the provisional version of the Master's Dissertation.

5 - The specific norms for using the Clinical Skills Book are defined in specific regulations, approved by the Pedagogical Council of the School of Agricultural and Veterinary Sciences.

Article 7

Entry Conditions

1 - Access and admission to the integrated study cycle leading to the master's degree are governed by the rules applicable to access and admission to the study cycle leading to the degree of licentiate.

2 - It is also possible to enter the fourth curricular year of the integrated master's degree under the provisions of paragraph 5 of Article 19 of Decree-Law No. 74/2006 of 24 March, as amended by Decree-Law No. 65/2018 of 16 August, through the opening of vacancies for this purpose, by

holders of the first cycle of studies, or equivalent diploma, in the same or related areas of specialization of the integrated master's degree.

Article 8

Attendance and assessment regime

The regime of absences, evaluation of knowledge, and classification of the curricular units that integrate the study cycle are those foreseen in the internal rules in force approved by the competent bodies.

Article 9

Crediting

Based on the ECTS and the principle of mutual recognition of the value of the training undertaken and the skills acquired, credit may be granted, under the legislation and internal regulations in force.

Article 10

Precedence system

Precedence is not admissible.

Article 11

Prescription regime

The applicable prescription regime is set out in the norms approved by the competent bodies of UTAD.

Article 12

Tuition

Tuition fees are set annually by the laws and regulations in force.

Article 13

Orientation and Dissertation

The norms that govern the orientation, preparation, and defense of the dissertation are those that derive from the applicable internal norms approved by the competent bodies.

Article 14

Awarding of the Master's Degree

The degree of "Mestre" (master) in Veterinary Medicine is awarded to the student who, by passing all the course units of the study plan, has obtained 330 ECTS.

Article 15

Final course grading

1 - The final course grade is expressed in the range of 10 to 20 on the integer numerical scale from 0 to 20 values.

2 - The final classification of a course is the weighted average (rounded to the nearest unit) of the classifications obtained in the various course units that make up the study plan of the course, according to their relative weight in ECTS.



Article 16

Missing cases

Situations not contemplated in these regulations follow the provisions of Decree-Law no. 74/2006, of March 24, republished by Decree-Law no. 65/2018 of August 16, and other applicable legislation.

Article 17

Regulation review

At the initiative of the course committee, the present regulations may be revised whenever necessary.

Article 18

Revocation rule and entry into force

This regulation revokes the previous one and will come into force with the application of the new curricular structure and study plan of the course in the 2022/2023 school year.

ANNEX

- 1 - Educational institution: University of Trás-os-Montes e Alto Douro
- 2 - Organic Unit: School of Agricultural and Veterinary Sciences
- 3 - Course of study: Veterinary Medicine
- 4 - Course type: Integrated Master's Degree
- 5 - Degree or diploma: Master's Degree
- 6 - A bachelor's degree in Basic Studies in Veterinary Sciences is awarded to students who complete the first 180 ECTS (credits)
- 7 - Main scientific area: Veterinary Sciences (CNAEF - 640)
- 8 - Number of credits, necessary to obtain the degree or diploma: 330 ECTS (credits)
- 9 - Normal length of study cycle: 11 academic semesters
- 10 - Curriculum Structure:

TABLE NO. 1

Scientific areas	Acronym	Credits	
		Required	Optional (1)
Veterinary Sciences	CVET	209	-
Animal Science	CANIM	42,5	-
Biological Sciences	CBIOL	39	-
Economic and Social Sciences	CES	2	-
Agricultural Sciences	CAGR	1,5	-
Various		33	3
<i>Subtotal</i>		327	3
<i>Total</i>		330,0	

(1) The number of credits in the optional scientific areas, necessary to obtain the degree or diploma, is 3



11 - Study Plan

TABLE NO. 2

1. Year

Course Unit (1)	Scientific area (2)	Type (3)	Working Hours						Credits	
			Total	Contact (4)						
				T	PL	TC	S	OT		O
Biostatistics and Medical Informatics	CVET	1st Semester. . .	81	14	21	-	-	2	-	3
Veterinary Biophysics	CBIOL	1st Semester. . .	81	14	21	-	-	2	-	3
Structural Biochemistry	CBIOL	1st Semester. . .	162	28	28	-	-	3,5	-	6
General Veterinary Cytomorphophysiology and Histology . .	CVET	1st Semester. . .	121,5	21	35	-	-	3,5	-	4,5
Embryology and Anatomy I	CANIM	1st Semester. . .	162	28	42	-	-	4	-	6
Ethology, Animal Welfare and Protection	CANIM/ CBIOL	1st Semester. . .	81	14	21	-	-	2	-	3
Introduction to Veterinary Medicine, Ethics, and Deontology Professional	CVET	1st Semester. . .	81	28	-	-	4	2	-	3
Complementary Activities I	Various (of course)	1st Semester. . .	40,5	-	-	-	-	2	20	1,5
General Agriculture, Ecology, and Environmental Management . . .	CAGR/ CBIOL	2nd Semester. . .	81	20	14	4	-	2	-	3
Anatomy II	CANIM	2nd Semester. . .	162	30	42	-	-	4	-	6
Biochemistry of Metabolism	CBIOL	2nd Semester. . .	162	30	28	-	-	3,5	-	6
Exognosia.	CANIM	2nd Semester. . .	81	15	21	-	-	2	-	3
Classical, Quantitative and Population Genetics . .	CBIOL	2nd Semester. . .	162	30	28	-	-	3,5	-	6
Special Veterinary Histology.	CVET	2nd Semester. . .	162	30	42	-	-	4	-	6

(1) Title of the course unit; (2) acronym in the table of scientific areas; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours.

TABLE NO. 3

2. Year

Course Unit (1)	Scientific area (2)	Type (3)	Working Hours					Credits	
			Total	Contact (4)					
				T	PL	TC	OT		O
Anatomy III	CANIM	1st Semester. . .	162	30	28	-	3,5	-	6
Physiology I	CBIOL	1st Semester. . .	81	18	21	-	2,5	-	3
Molecular and Applied Genetics.	CBIOL	1st Semester. . .	162	30	28	-	3,5	-	6
Immunology	CVET	1st Semester. . .	81	15	21	-	2	-	3
Medical Microbiology I	CVET	1st Semester. . .	81	15	21	-	2	-	3
General Pathology I.	CVET	1st Semester. . .	121,5	15	35	-	5	-	4,5
Animal husbandry practices	CANIM	1st Semester. . .	81	-	-	58,5	1,5	-	3
Complementary Activities II	Various (of course)	1st Semester. . .	40,5	-	-	-	2	20	1,5
Physiology II	CBIOL	2nd Semester. . .	162	30	42	-	4	-	6
Medical Microbiology II.	CVET	2nd Semester. . .	81	15	21	-	2	-	3
Nutrition and Food.	CANIM	2nd Semester. . .	162	30	28	-	3,5	-	6
Parasitology I.	CVET	2nd Semester. . .	81	15	21	-	2	-	3
General Pathology II	CVET	2nd Semester. . .	81	15	21	-	2	-	3
Zootechnics and Animal Production.	CANIM	2nd Semester. . .	162	37,5	35	-	4	-	6
Epidemiology.	CVET	2nd Semester. . .	81	15	21	-	2	-	3

(1) Title of the course unit; (2) acronym in the table of scientific areas; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours.



TABLE NO. 4

3. Year

Course Unit (1)	Scientific area (2)	Type (3)	Working Hours				Credits	Note: (5)	
			Total	Contact (4)					
				T	PL	OT			O
Anesthesiology	CVET	1st Semester. . .	121,5	30	30	4	-	4,5	Optional.
Pharmacology I and Pharmacy	CVET	1st Semester. . .	121,5	30	30	5	-	4,5	
Parasitology II	CVET	1st Semester. . .	81	15	21	2	-	3	
Medical Semiology I	CVET	1st Semester. . .	135	30	30	5	-	5	
Animal Product Technology I	CVET	1st Semester. . .	121,5	30	30	4	-	4,5	
Economics, Management, and Marketing in Animal Health	CES	1st Semester. . .	54	30	-	2	-	2	
Introduction to Scientific Research	CVET	1st Semester. . .	54	28	-	2	-	2	
Complementary Activities III	Various (of course)	1st Semester. . .	81,0			3	57	3	
Option I	Various (of course)	1st Semester. . .	40,5	15	-	1	-	1,5	
Pathological Anatomy I and Veterinary Forensic Medicine	CVET	2nd Semester. . .	121,5	30	30	4	-	4,5	
Pharmacology II and Therapeutics	CVET	2nd Semester. . .	108	15	30	3	-	4	
Animal Reproduction	CVET	2nd Semester. . .	108	15	30	4	-	4	
Introduction to Surgery	CVET	2nd Semester. . .	121,5	30	30	4	-	4,5	
Medical Semiology II	CVET	2nd Semester. . .	121,5	30	30	5	-	4,5	
Animal Products Technology II	CVET	2nd Semester. . .	108	15	30	4	-	4	
Imaging	CVET	2nd Semester. . .	121,5	30	30	4	-	4,5	

(1) Title of the course unit; (2) abbreviation in the scientific areas table; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours; (5) indicate whenever the UC is optional.

TABLE NO. 5

4. Year

Course Unit (1)	Scientific area (2)	Type (3)	Working Hours				Credits	
			Total	Contact (4)				
				T	PL	OT		O
Pathology II	CVET	1st Semester. . .	121,5	30	30	4	-	4,5
Pet Surgery I	CVET	1st Semester. . .	121,5	30	30	4	-	4,5
Infectious Diseases I	CVET	1st Semester. . .	121,5	30	30	4	-	4,5
Parasitic Diseases I	CVET	1st Semester. . .	108	15	30	3	-	4
Ruminant Medicine and Surgery	CVET	1st Semester. . .	162	30	45	5	-	6
Company Animal Internal Medicine I	CVET	1st Semester. . .	121,5	30	30	5	-	4,5
Clinical teaching I	CVET	1st Semester. . .	54	-	-	2	52	2
Pet Surgery II	CVET	2nd Semester. . .	121,5	30	30	4	-	4,5
Infectious Diseases II	CVET	2nd Semester. . .	121,5	30	30	4	-	4,5
Parasitic Diseases II	CVET	2nd Semester. . .	121,5	30	30	4	-	4,5
Equine Medicine and Surgery	CVET	2nd Semester. . .	162	37,5	37,5	5	-	6
Reproductive Medicine I	CVET	2nd Semester. . .	108	15	30	3	-	4
Company Animal Internal Medicine II	CVET	2nd Semester. . .	121,5	30	30	5	-	4,5
Clinical teaching II	CVET	2nd Semester. . .	54	-	-	2	52	2

(1) Title of the course unit; (2) acronym in the table of scientific areas; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours.



TABLE NO. 6

5. Year

Course Unit (1)	Scientific Area (2)	Type (3)	Working Hours							Credits	Note: (5)
			Total	Contact (4)							
				T	TP	PL	TC	OT	O		
Hygiene and Preventive Veterinary Medicine	CVET	1st Semester. . .	108	14	-	21	7	3	-	4	Optional.
Hygiene and Sanitary Inspection and Alimentar Control I.	CVET	1st Semester. . .	162	20	-	48	-	4	8	6	
Introduction to Animal Specialties of Company I.	CVET	1st Semester. . .	121,5	28	-	28	-	4	-	4,5	
Poultry, Leporidae and Swine Medicine . .	CVET	1st Semester. . .	135	28	-	28	-	4	-	5	
Reproductive Medicine II.	CVET	1st Semester. . .	108	14	-	28	-	3	-	4	
Clinical nutrition.	CVET	1st Semester. . .	54	14	-	14	-	2	-	2	
Option II	Various (of course)	1st Semester. . .	40,5	15	-	-	-	1	-	1,5	
Extramural education I	CVET	1st Semester. . .	81	-	-	-	-	2	63	3	
Hygiene and Sanitary Inspection and Alimentar Control II.	CVET	2nd Semester. . .	162	20	-	42	-	4	8	6	
Introduction to Animal Specialties of Company II.	CVET	2nd Semester. . .	121,5	28	-	28	-	4	-	4,5	
Public Health	CVET	2nd Semester. . .	108	14	-	28	-	3	-	4	
Veterinary Legislation and Regulation	CVET	2nd Semester. . .	40,5	-	21	-	-	1	-	1,5	
Veterinary Toxicology	CVET	2nd Semester. . .	108	14	-	28	-	3	-	4	
Animal Breeding.	CANIM	2nd Semester. . .	135	28	-	28	-	4	-	5	
Exotic Animal Medicine and Surgery and Wild.	CVET	2nd Semester. . .	54	8	-	16	-	2	-	2	
Extramural education II.	CVET	2nd Semester. . .	81	-	-	-	-	2	63	3	

(1) Title of the course unit; (2) abbreviation in the scientific areas table; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours; (5) always indicate that the UC is optional.

TABLE NO. 7

6. Year

Course Unit (1)	Scientific area (2)	Type (3)	Working hours		Credits
			Total	Contact (4)	
				OT	
Dissertation.....	Several (of course)	1st Semester. . .	810	120	30

(1) Title of the course unit; (2) acronym in the table of scientific areas; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours.

TABLE NO. 8

Optional course units

Course Unit (1)	Scientific area (2)	Curriculum Year (3)	Type (4)	Working Hours			Credits	Note: (6)
				Total	Contact (5)			
					T	OT		
Environmental Management of Animal Effluents.	CAGR	3.º	1st Semester. . .	40,5	15	1	1,5	Option I.
Introduction to Food Quality and Safety.	CVET	3.º	1st Semester. . .	40,5	15	1	1,5	Option I.



Course Unit (1)	Scientific area (2)	Curriculum Year (3)	Type (4)	Working hours			Credits	Note: (6)
				Total	Contact (5)			
					T	OT		
Nutrition and Feeding of Wild and Exotic Animals	CANIM	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Teratology	CVET	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Clinical Analysis	CVET	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Clinical Anatomy	CANIM	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Beekeeping	CANIM	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Cytological Diagnosis	CVET	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Physiology of Laboratory, Exotic, and Wild Animals	CANIM	3. ^o	1st Semester . .	40,5	15	1	1,5	Option I.
Laboratory Analysis in Medical Microbiology and Parasitology	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Intensive Care	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Animal Experimentation	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Pathology of Laboratory, Exotic, and Wild Animals	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Quality Systems in the Food Sector	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Aquaculture	CANIM	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Geriatrics and Oncology	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Veterinary stomatology-dental medicine	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.
Veterinary Forensics	CVET	5. ^o	1st Semester . .	40,5	15	1	1,5	Option II.

(1) Title of the course unit; (2) abbreviation in the scientific areas table; (3) organization of the curricular year; (4) indicate for each activity, the total number of hours; (5) indicate whenever the UC is optional.

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