Universidad Católica de Valencia San Vicente Mártir

Information about the subject

Degree: Bachelor of Science Degree in Veterinary Medicine

Faculty: Faculty of Veterinary Medicine and Experimental Sciences

Code: 1260108 **Name:** Animal Domestication (Ethnology, Ethology and Animal Welfare)

Credits: 6,00 **ECTS Year:** 1 **Semester:** 2

Module: Module of Common Basic Training

Subject Matter: Animal Domestication **Type:** Compulsory

Department: Animal Production and Public Health

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Module of Common Basic Training

Subject Matter	ECTS	Subject	ECTS	Year/semester
Statistics	6,00	Biometrics and Statistics	6,00	1/1
Biology	6,00	Animal and Plant Biology	6,00	1/1
Biochemistry	6,00	Biochemistry	6,00	1/2
Animal Anatomy	18,00	Animal Anatomy I and Embryology	6,00	1/1
		Animal Anatomy II	6,00	1/2
		Animal Cytology and Histology	6,00	1/2
Animal Physiology	12,00	Animal Physiology I	6,00	2/1
		Animal Physiology II and Immunology	6,00	2/2
Genetics	6,00	Genetics	6,00	1/2
Animal Domestication	6,00	Animal Domestication (Ethnology, Ethology and Animal Welfare)	6,00	1/2
Biological Agents of Interest in Veterinary Medicine	12,00	Veterinary Microbiology	6,00	2/2
		Veterinary Parasitology	6,00	2/1
Veterinary Medicine and Society	6,00	Veterinary Regulations and Legislation, Social Morality and Professional Deontology	6,00	5/1

Physics and Chemistry	6,00	Physico-chemical fundamentals of veterinary medicine	6,00	1/1

Recommended knowledge

Not required

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

R1	The student knows and differentiates the breeds of domestic animals according to their taxonomic system, morphological, phaneroptic and productive aspects.
R2	The student knows and is able to evaluate the main behavioural traits of domestic animals.
R3	The student knows the concept and importance of animal welfare and the methodologies for assessing it, as well as the possible welfare problems presented by the animals.
R4	The student extracts qualitative information on aspects of ethnology, ethology and animal welfare.
R5	The student searches bibliographic information from different sources and knows how to analyse it with a critical and constructive spirit.
R6	The student is able to analyse and evaluate different behavioural alterations of domestic animals.
R7	The student argues according to rational criteria based on his or her work.
R8	The student is able to write a comprehensible and organized text on various aspects of animal domestication.

Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Students must show that they have and understand knowledge in a field of study that is based on general secondary education on a level that, although supported by advanced text books, includes also some aspects that involve knowledge belonging to the vanguard of their field of study.			x	
CB3	Capacity to gather and interpret relevant data usually within their specific field of study and capacity to make judgments that include reflection on relevant social, scientific or ethical issues.			x	

GENERAL		Weighting			
		1	2	3	4
CG0	Capacity to speak well in public.			x	
CG3	Understanding and applying control of animal breeding, management, health, reproduction, protection, and feed as well as improving production.		x		
CG5	Understanding and applying laws, regulations and administrative provisions in all areas of the veterinary profession and public health, understanding the ethical implications of health in a changing global context.			x	
CG6	Developing professional practice, acquiring skills related to teamwork, with an efficient use of resources and quality management.		x		
CG7	Identifying emerging risks in all areas of the veterinary profession.			x	

SPECIFIC		Weighting			
		1	2	3	4
E13	Knowing and applying principles and bases of the ethnic characteristics of production, with special reference to management.				x
E14	Knowing and applying principles and bases of animal behavior and the process of domestication.				x
E19	Knowing and applying principles and foundations of animal welfare and protection.				x

TRANSVERSAL		Weighting			
		1	2	3	4
T1	Capacity of analysis, synthesis, implementation of knowledge for problem-solving and decision-making.			x	
T4	Mastering fluency in oral and written mother tongue communication, listening and responding effectively using a language appropriate to audience and context.				x
T6	Using information technology to communicate, share, search for, collect, analyze and manage information, especially related to the veterinarian practice.				x
T8	Efficient and effective work, both independently and as a member of a multidisciplinary team or unit, showing respect, appreciation and sensitivity to the work of others.			x	
T10	Ability to learn, to research, and to be aware of the need to keep knowledge updated, and attending training programs.			x	

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R6, R8	60,00%	Written assessment of acquired knowledge and skills. The test may consist of a series of open-ended questions or multiple-choice questions about the theoretical contents of the module and/or practical exercises (problem-solving).
R1, R2, R3, R4, R5, R6, R7, R8	20,00%	Evaluation of the use of the practical lessons in the classroom, of problems or computer science, seminars and tutorials, by means of participation, computer-supported problem solving and the elaboration of the corresponding reports.
R1, R2, R3, R4, R5, R6, R8	10,00%	Evaluation of group work through a system of continuous assessment throughout the course based on the delivery of assignments the objectives and content of which will be proposed by the teacher.
R1, R2, R3, R6	10,00%	Evaluation of activities in which the student must do some research individually and structure information related to each of the topics through a system of continuous assessment throughout the course based on the delivery of papers, the objectives and contents of which will be proposed by the teacher.

Observations

This course is not eligible for single evaluation. According to the general evaluation and qualification regulations, the preferred evaluation system will be continuous evaluation.
The use of artificial intelligence (AI)-based tools is subject to the discretion of the teacher, who may establish specific limits or conditions depending on the training or assessment activity.
All students must obtain a minimum score of 5 in the first part final exam, identification of animal breeds, to pass the subject. Attendance to practical sessions is compulsory.
Those students who, for a justified reason (see article 10 of the regulations in force https://www.ucv.es/documentos/normativa/documento 11.html), cannot attend the evaluation of the course on the official exam date, may undergo the final evaluation of the course by means of an oral or written examination according to the teacher's criteria.

In all the written evaluations that are carried out in the course spelling will be taken into account, so that for each spelling mistake (including accents) 0.1 points will be subtracted from the final grade up to a maximum of 2 points.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with 9 Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

M1   On-site training activity aimed primarily at acquiring knowledge acquisition skills. It is characterised by the fact that students are spoken to. Also called master class or exposition, it refers to the oral presentation made by the teacher, (with the support of blackboard, a computer and a projector for the display of texts, graphs, etc.), in front of a group of students. They are expository, explanatory or demonstrative sessions of contents. The size of the group is determined by the limit or physical capacity of the classroom; therefore, it is a single group.

M2   On-site training activity aimed primarily at obtaining knowledge application and research skills. Knowledge is built through interaction and activities. The activity consists of supervised monographic sessions with shared participation (teachers, students, experts). The size of the group is variable, from one large group to various small groups, with a minimum of 6 students to ensure interaction. The evaluation will be based on follow-up records kept by the teacher. Participation and the development of the capacity to problematize should be taken into account.

M4	On-site training activity in groups that takes place in the classroom. It includes working with documents and formulating ideas without handling animals, organs, objects, products, or corpses (e.g., work with articles or documents, clinical case studies, diagnostic analyses, etc.). It would correspond to "Animal-free supervised practical work", type e1, from the European evaluation of EAEVE. The size of the group is variable, in a range of 10 to 20 students.
M5	On-site training activity in groups that takes place in the Computer Lab where the computer is used as support for learning. It includes work with computer models, specific software, Web queries, etc. It would correspond to "Animal-free supervised practical work", type e1, from the European evaluation of EAEVE. The size of the group is variable, in a range of 10 to 20 students.
M8	A set of on-site training activities carried out by the teacher to provide personalised attention to the student or in small groups with the aim of reviewing and discussing the materials and topics presented in classes, seminars, readings, carrying out projects, etc. The aim is to ensure a truly comprehensive education of the student rather than a mere transfer of information. It is, therefore, a personalized assistance relationship in which the tutor assists, facilitates and guides one or more students in the learning process.
M9	Set of processes that attempt to evaluate the learning outcomes of students expressed in terms of acquired knowledge, capacities, skills or abilities developed and manifested attitudes. It covers a wide range of activities that can be developed for students to demonstrate their training (e.g. written, oral and practical tests, projects or assignments). It also includes the Official Calls.
M10	Autonomous training activity, including activities and coursework, bibliographic searches. The results obtained from unsupervised group and teamwork will be evaluated, with particular attention paid at the time of evaluation to the acquisition of specific knowledge development skills through group work.
M11	Autonomous training activities related to personal study, or the preparation of individual course assignments. The individual preparation of readings, essays, problem solving, papers, reports, etc. will be evaluated through presentations or submissions during theoretical classes, practical classes, seminars and/or tutorials. The evaluation of the submitted papers will consider the structure of the paper, the quality of the documentation, originality, spelling and presentation.

Course guide

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theoretical lessons (TL) M1	R1, R2, R3	44,00	1,76
Seminars (S) M9	R3, R4, R5, R7, R8	2,00	0,08
Problem-solving Practice (PSP) M4	R2, R3, R6	4,00	0,16
In-Classroom Practice (ICP) M4	R1, R3	6,00	0,24
Tutorial M8	R1, R2, R3, R4, R6, R7	2,00	0,08
Evaluation (Ev) M9	R1, R2, R3, R4, R5, R6, R7, R8	2,00	0,08
TOTAL		**60,00**	**2,40**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Group work M10	R1, R2, R3, R4, R5, R6, R8	20,00	0,80
Individual work M11	R1, R2, R3, R4, R5, R8	70,00	2,80
TOTAL		**90,00**	**3,60**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
ETHNOLOGY	1.Introduction to Ethnology: concept, breed classifications, classification systems, Baron's systematic classification, aloidism. 2.Equidae. Introduction. Saddle and jumping horses. Draught horses and ponies.Asses and equine hybrids. 3.Cattle, sheep and goats. Introduction. Main breeds according to origin and aptitude. 4.Porcine. Introduction. Foreign and Spanish porcine breeds. 5.Rabbits. Introduction. Breeds, hybrids and aptitudes. 6.Birds. Introduction. Hens. Aptitude. Hybrids. Companion and exotic birds. 7.Canines and felids. Introduction and classification.
ANIMAL WELFARE	1.Introduction to Animal Welfare. Assessment. 2.Animal welfare in cattle species. 3.Animal welfare in transport and slaughter. 4.Animal welfare in experimentation animals. 5.Animal welfare in pets.
ETHOLOGY	1.Ethology. Introduction and general concepts. 2.Cognition. 3.Learning. 4.Behaviour of horses. 5.Behaviour of dogs and cats . 6.Behaviour of domestic ruminants. 7.Behaviour of pigs. 8.Behaviour of hens.

Organization of the practical activities:

	Content	Place	Hours
PR1.	Ethology	Lecture room	2,00
PR2.	Visit to FIGAN Zaragoza 2021.	Technical visit	4,00
PR3.	Animal welfare I	Lecture room	2,00
PR4.	Animal welfare II	Lecture room	2,00
PR5.	Introduction to zootechnical ethnology.	Farm	2,00
PR6.	Equids. Morphology.	Riding club	2,00

Temporary organization of learning:

Block of content	Number of sessions	Hours
ETHNOLOGY	17,00	34,00
ANIMAL WELFARE	6,00	12,00
ETHOLOGY	7,00	14,00

References

ETHNOLOGY

ALDERTON, D. Manuales de identificación: gatos. Barcelona. Ed. Omega. 1993.

BUXADE, C. Ganado porcino. Ed. Mundi Prensa. Madrid. 1984.

COLLIN, I.; DANIELS-MOULIN, M.P.; DEPUIS, F.; FALISINA, G. y ROSSI, V. Enciclopediamundial de perros. Barcelona : Ed. De Vecchi. 2008

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ESTEBAN, C. Catálogo de razas autóctonas españolas. Madrid: Ministerio de Agricultura, Pesca y Alimentación. 1985.

FRENCH. Razas europeas de ganado bovino, vol I y II. Ed. FAO. Roma. 1968.

MAPA (Ministerio de Agricultura, Pesca y Alimentación). Catálogo Oficial de Razas de Ganado de España. 2020.

ODRIOZOLA, A. Los colores del caballo: guía entre la variedad de ellos y pesquisa de cómo se originan. Madrid: Ministerio de Agricultura, Pesca y Alimentación. 1992.

OROZCO, F. Razas de gallinas españolas. Ed.: Mundi Prensa. Madrid. 1989.

RUIZ, B. y ALCRUDO, M. Las razas caninas españolas. Barcelona. Ed. Hispanoeuropea.1992.

Catálogo Oficial de Razas de Ganado de España (Ministerio de Agricultura, Pesca y Alimentación):
https://www.mapa.gob.es/es/ganaderia/temas/zootecnia/razas-ganaderas/razas/catalogo-razas/

Razas de perros reconocidas a título definitivo (Fédération Cynologique Internationale):
http://www.fci.be/es/Nomenclature/Default.aspx

ETHOLOGY AND ANIMAL WELFARE

AMAT, M.; CAMPS, T.; LE BRECH, S; TEJEDOR, S. Manual Práctico de etología clínica en el perro. Multimédica ediciones veterinarias. 2018.

AMAT, M.; CAMPS, T.; LE BRECH, S; TEJEDOR, S. Manual Práctico de etología clínica en el

gato. Multimédica ediciones veterinarias. 2017.

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JENSEN, P. Etología en los animales domésticos. Ed. Acribia.Zaragoza.2004.

MANTECA VILANOVA, F.J. Etología veterinaria. Ed. Multimédica. 2010.

MARTIN, P. y BATESON, P. La medición del comportamiento. Madrid: Ed. Alianza. 1991.

SLATER, P.J.B. El comportamiento animal. Madrid: Ed. Cambridge University Press. 2000. COLMENARES, F: Etología, psicología comparada y comportamiento animal. Síntesis Psicología.1996.

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TARPY, R. Aprendizaje y motivación animal. Ed. Debate. 1986.

Real Decreto 348/2000, de 10 de marzo, por el que se incorpora al ordenamiento jurídico la Directiva 98/58/CE, relativa a la protección de los animales en las explotaciones ganaderas (Boletín Oficial del estado): https://www.boe.es/buscar/doc.php?id=BOE-A-2000-4698

Real Decreto 1135/2002, de 31 de octubre, relativo a las normas mínimas para la protección de cerdos (Boletín Oficial del estado): https://www.boe.es/buscar/act.php?id=BOE-A-2002-22544

Real Decreto 1047/1994, de 20 de mayo, relativo a las normas mínimas para la protección de terneros (Boletín Oficial del estado): https://www.boe.es/buscar/act.php?id=BOE-A-1994-15800

Real Decreto 3/2002, de 11 de enero, por el que se establecen las normas mínimas de protección de las gallinas ponedoras (Boletín Oficial del estado): https://www.boe.es/diario_boe/txt.php?id=BOE-A-2002-831

Real Decreto 692/2010, de 20 de mayo, por el que se establecen las normas mínimas para la protección de los pollos destinados a la producción de carne y se modifica el Real Decreto 1047/1994, de 20 de mayo, relativo a las normas mínimas para la protección de terneros (Boletín Oficial del estado): https://www.boe.es/buscar/doc.php?id=BOE-A-2010-8824

Reglamento (CE) nº 1/2005 del Consejo, de 22 de diciembre de 2004, relativo a la protección de los animales durante el transporte y las operaciones conexas y por el que se modifican las Directivas 64/432/CEE y 93/119/CE y el Reglamento (CE) nº 1255/97 (Boletín Oficial del estado): https://www.boe.es/buscar/doc.php?id=DOUE-L-2005-80006

Reglamento (CE) nº 1099/2009 del Consejo, de 24 de septiembre de 2009, relativo a la protección de los animales en el momento de la matanza (Boletín Oficial del estado): https://www.boe.es/buscar/doc.php?id=DOUE-L-2009-82167

Real Decreto 53/2013, de 1 de febrero, por el que se establecen las normas básicas aplicables para la protección de los animales utilizados en experimentación y otros fines científicos, incluyendo la docencia (Boletín Oficial del estado): https://www.boe.es/diario_boe/txt.php?id=BOE-A-2013-1337

Ley 4/1994, de 8 de julio, de la Generalidad Valenciana, sobre Protección de los Animales de Compañía (Boletín Oficial del estado): https://www.boe.es/buscar/act.php?id=BOE-A-1994-18881

Ley 31/2003, de 27 de octubre, de conservación de la fauna silvestre en los parques zoológicos (Boletín Oficial del estado): https://www.boe.es/buscar/doc.php?id=BOE-A-2003-19800