28416 - External Morphology: Morphological Assessment and Identification

Información del Plan Docente

Academic Year	2017/18
Faculty / School	105 - Facultad de Veterinaria
Degree	451 - Degree in Veterinary Science
ECTS	3.0
Year	
Semester	First semester
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The learning process that has been designed for this subject is based on the following:

- On-site theoretical classes, in which the previously planned program will be developed, which will be available in the ADD, complemented with other teaching resources (CD, paper documentation).

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- Practical classes in a morphological assessment classroom in different animal species. Practical classes in the classroom of methods of identification and recognition of the age of animals.

- Practical Session in Equestrian Center to make a complete review of the specimens.

- Practical session on Agility as a model of animal sports activity

- Performing a team work on the regulations of any sport related to any animal species

- Practical exercises through short-term tests in the classroom and / or the ADD.

- Visit to an exhibition or fair

5.2.Learning tasks

The program offered to the student to help achieve the expected results includes the following activities:

Theoretical classes in Classroom.

Practical classes in Classroom, participated with students.

Practical classes in Equestrian Center.

Personal work (review, morphological evaluation of dairy cattle)

Teamwork, including public exposure

5.3.Syllabus

THEORETICAL PROGRAM

IDENTIFICATION

1. Identification. Traceability. Definitions. Identification and traceability in livestock. Areas involved and links. From the farm to the table. Standards of traceability in livestock in Spain. Legislation on bovine, ovine and caprine animals, equidae, and pigs.

2. The transport of animals. Loads and downloads. Legislation. Transport of animals in private vehicles

3. Identification of age: The dental table. Evolution and relation with chronological and physiological age in domestic species. Age in birds.

4. Development and age. Determination of age by general and regional analysis of the animal. Signs for the

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determination of age. Shape and proportions in young and adult animals. Body development in heterogeneous adult weight species.

MORPHOLOGY

5. External morphology. Body regions, brief review of the regional nomenclature. Aplomos: definition and general assessment. Defects with respect to lines 1 and 5. Defects with respect to lines 2 and 4. Defect with respect to line 3. Variation between species.

6. Introduction to morphological assessment. Definitions of beauty, defect, beauty and racial standard. General aspects of morphological assessment.

7. Types of morphological assessment. Comparison and Linear Qualification, utility and description in general and, specifically, dairy cattle.

8. Scorecards, utility and description. Conclusions.

9. Morphological evaluation in other companion animals. Physiological characteristics of lagomorphs (rabbit and hare), rodents (guinea pigs, chinchillas, hamsters and gerbils) and some carnivores (ferret) and their relationship to body shape and age.

10. The equine passport. Additional features

ANIMALS AND SPORTS

11. The horse in the sport. Races and modalities

12. Regulations of different tests: polo, jumps, horse races, etc.

13. Other sports involving animals: colombiculture, colombofilia, falconry, mushing

14. Agility

PRACTICAL PROGRAM

- Identification. Identification by species. Cattle, sheep, goats, equines, pigs, dogs, cats and ferrets. Methods: eartags, passports, microchips.

- Evaluation of aplomos.

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- The ideal udder.

- The ideal cow.

- Review in equines: Individual realization of a review, check and fix body regions, see layers and race / fitness of some specimens.

- Determination of age by studying dental arches in equines, cattle, sheep, pigs, dogs, cats and chinchillas. Age depending on the development of horns in cattle and sheep.

- Rules for sporting events related to domestic animals

- Agility as an example of a sports test

5.4.Course planning and calendar

Acitvity	Theorical classes	Practical	Group size	teacher
IDENTIFICATION	**6**	**3**		
Animal identification	2	1	25	AA
Animal Transport	1	---	---	GM
Age	3	2	25	ML
MORPHOLOGY	**6**	**5**		
Body regions	1	---	---	CS
Morphological valoration in livestock	3	3	25	CS
Morphological valoration in pets	1	---	----	ML
Horses	1	2	8	ML

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ANIMAL and SPORTS	**3**	**3**		
Horse spots	2	1	---	GM
Other animal sports	1			AA
Agility	---	2	----	JE
Fairy trip		**4**		
TOTAL	15 (50%)	15 (50%)		

5.5.Bibliography and recommended resources

Basic

ABECIA, A. y LÓPEZ, N. Identificación y Trazabilidad en Ganadería: Una visión internacional. Ed. Agrícola, Madrid, 2011.

SAÑUDO, C. (coord.) Valoración morfológica de los animales domésticos. Ed. Mº Medio Ambiente, Rural y Marino, Madrid, 2009.

Supplementary

AMERICAN ASSOCIATION OF EQUINE PRACTITIONERS. Guide for determining the age of the Horse. Laboratorios Merial, 2011.

APARICIO, G. Exterior de los grandes animales domésticos (Morfología Externa). Imprenta Moderna, Córdoba, 1974.

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CONAFE. Manual de Juzgamiento de la raza Frisona Española (5ª ed.). Ed. por CONAFE, 2014

OTEIZA, J. Introducción al estudio del exterior del Caballo y el Toro. Ed. CECSA, México, 1983.

REAL SOCIEDAD CANINA DE ESPAÑA. Reglamento de certámenes de morfología canina (exposiciones y concursos de belleza). RSCE, Madrid, 2010.

SOTILLO, J.L. y SERRANO, V. Producción Animal I - Etnología Zootécnica. Ed. Tebar Flores, Madrid, 1985.

web pages

http://www.conafe.com/morfologia/calificacion1.htm