
Course:	L025 - Food Quality and Nutrition
Degree:	Bachelor
Curriculum Unit:	9025002 - Animal Production Systems
Scientific field:	Animal Science
ECTS^(*):	5
Curriculum year:	1st
Curriculum semester:	1st
Frequency Regime:	Mandatory
Teacher(s):	António Manuel Cardoso Monteiro
Contact hours ^(**):	T - 30; TP - 30
Total work time (hours):	132

(*) - ECTS - European Credit Transfer and Accumulation System

(**) – T- Theoretical; TP- Theoretical/Practical; LP- Lab Practice; S- Seminars; I- Internships; TU - Tutorials; O- Other (Evaluations)

Objectives / Competences

Provide information about the various systems of animal production, demonstration of the influence of environment, animal and manager in the final product quality.

Syllabus

Theory:

1. Domestication
2. Production Systems
 - 2.1. The extensive system
 - 2.2. The intensive system
3. Organic Production
4. Beef Production
5. Milk Production
6. Eggs Production
7. Pisciculture and Aquaculture
8. Apiculture

Practice:

1. Identification
2. Feeding
3. Growth and Development
4. Milking
5. Dairy contrast

6. Evaluation and classification of carcasses

Teaching methodologies and evaluation criteria

In the theoretical lectures will be presented the fundamental concepts to understanding animal production systems and the resulting products and in theoretical-practical classes problems will be solved on different topics.

Will also be undertaken visits to various livestock farms.

It is privileged to carry out group work and presentation in the respective context of the classroom before other colleagues.

New technologies are used in the classroom, using powerpoints and presentation with data show, and contact with students is privileged by use of "e-learning" through Moodle.

Evaluation:

It is planned a continuous assessment during the semester, which includes components: 1. Preparation of a work in groups and 2. Individual Assessment: class participation, expression of interest and monitoring.

Furthermore, the student will do a final exam.

Short bibliography

Crawford (Editor), (1990). Poultry breeding and genetics. Developments in Animal and Veterinary Sciences, 22. Elsevier. 1123 pp.

Lawrence, T. L. J. e Fowler, V. R., (1998). Growth of farm animals. CAB International. 330 pp. (p. 266-269)

Craplet C e Tleifier M (1980). Le mouton, tome IV. Vigot.

Battaglia RA; Mayrose VB Handbook of Liverstock Manegement Techniques.

Berg RT; Butterfield RM (1978). Nuevos conceptos sobre desarrollo de ganado vacuno. Acibia, S.A.

Ensminger ME (1980). Dairy Cattle Science. The Insterstate Printers Publishers Inc., 2º ed.

Lucas, J.S. e Southgate, P.C. (2003). Aquaculture. Farming aquatic animals and plants. Blackwell Publishing Company, Oxford, Reino Unido.

Whittemore C (1996). Ciencia y práctica de la producción porcina. Editorial Acibia, S. A.. Zaragoza. 647 pp.