

**Code: 1731      Production of Other Animal Species****Degree:** 1<sup>st</sup> cycle – Animal Production Engineering**Curricular Year:** 3<sup>rd</sup>**Semester Course:** 2<sup>nd</sup>**Credits:** 6 ECTS**Compulsory****Language:** Portuguese/English**Prerequisites:** Animal Nutrition**Responsible:** Fernando Ribeiro Alves Afonso (FMV)**Other lecturer(s):** Rui Caldeira (FMV), Luísa Almeida Lima Falcão e Cunha, Maria Luísa Jorge (FMV) and Luís Ferreira (FMV)**Web Site:** <http://www.isa.utl.pt/home/node/3958>**1. Contact hours:****Lectures 28 Practicals/Laboratory 42 Others 14 Total 84****2. Objectives:**

To provide the students, within the area of aquaculture, horse and rabbit production, with the knowledge that allow them to understand the basis of the biological phenomena concern with this productions, so they can found the best solutions to different geographical, technical and social conditions. On that way, students must be familiarized with the agents and methodologies used in these areas, from the animals and feeds to the techniques and the production systems. This knowledge will enable them to identify, collect and understand production indicators in order to evaluate and decide on production systems, to discuss feeding plans and to advise on new techniques.

**3. Programme:**

Horse production – An overview of horse production: aims, social aspects, market. Horse populations in the World, in EU and in Portugal. Local and foreign breeds in Portugal: morphological traits and functional skills. Main aspects of feeding and reproduction. Identification. Management of horses: management of mares and foals, daily care of horses, training for different purposes.

Aquaculture – An overview of aquaculture: aims, products, market. Anatomical and physiological characteristics of fish, crustaceans and molluscs and its effects on production efficiency. Species produced in Portugal: biological cycles and production systems. Feeding, reproduction and management. Environment conditions required for the welfare, health and production on aquaculture.

Rabbit production – An overview of rabbit production in the World, in EU and in Portugal. Breeds and genetic improvement. Particular aspects of the physiology of reproduction. Feeding. The production systems of rabbit meat. Hair production.

**4. Bibliography:****Main Bibliography**

Zootecnia – Bases de Producción Animal, Carlos Buxadé, Ediciones Mundi-Prensa, Madrid, Espanha. Tomo X – Producciones cunícula y de avícolas alternativas; Tomo XI - Producciones equinas y de ganado de lida.; Tomo XIII – Producción Animal Acuatica.

**Other Bibliography**

Feeding and care of the horse, Lon D. Lewis, 2nd ed. 1996, Lippincott Williams & Wilkins, USA

Equine nutrition and feeding, 2nd ed. D. Frape, Blackwell Science, 1998

Nutrient requirements of horses, 5th ed. National Resarch Council, 1989

Aquaculture Science, 2nd ed., R. Parker, Thomson Delmar Learning, 2000

Rabbit Production, 8th ed. J. I. McNitt, P. R. Cheeke, N. M. Patton, S. D. Lukefahr, Interstate Printers & Pub, 2000

**5. Assessment:**

Students' knowledge is evaluated by group works during the semester and a written examination on the end of the semester.

6. Estimated Workload:

168	Hours
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7. Last Update:

24/1/2011
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