

Code: 1781 Zootechnics

Degree: 1st cycle - Agriculture

Curricular Year: 2nd

Credits: 6 ECTS

Language: Portuguese/English

Responsible: João Pedro Bengala Freire

Other lecturer(s): Fernando Baltazar Santos Ortega

Web Site: <http://www.isa.utl.pt/home/node/4006>

Semester Course: 2nd

Compulsory

1. Contact hours:

Lecture/Practicals 70 Others 14 Total 84

2. Objectives:

Knowledge of swine breeds.

Management of sows, boars, piglets and growing finishing pigs.

Comprehension and Knowledge of poultry production systems: broilers and eggs. Breeding

management of poultry.

Understanding of a dairy farm. Different beef cattle production systems.

Production techniques of small ruminants.

3. Programme:

Swine: Basic knowledge of swine breeds. The breeding stock: the productive cycle of the sow, feeding programs. The piglet: weaning and feeding. Growth and finishing pigs: Strategy of growth and feeding programs.

Poultry: Basic knowledge of poultry improvement. The production of broilers, broiler breeders and laying hens. The Incubation centres. Economic and technical performances.

Bovines: The animal stock in a dairy farm. The management of young and adult dairy cattle. The lactation curve. Beef cattle production systems. The breeds of beef cattle and the production system. The growth curve and the production system.

Sheep and goats: Production systems of sheep and goats. The productive and reproductive cycle of dairy sheep and goats. Composition and quality of sheep or goat milk. The production of meat lambs. Carcass composition. The use of sheep and goats to produce fibres.

4. Bibliography:

Main Bibliography

Copies of the presentations prepared by teachers

Other Bibliography

Whittemore, C. T. 1993. The science and practice of pig production. Longman Scientific and Technical, Longman Group Essex CM202JE, England.

Hunton, P. (Ed). 1995 Poultry Production. Elsevier, Amsterdam

WEBSTER, J. (1993) Understanding the dairy cow, second edition. BSP Professional books, Oxford OX2 0EL, 357 pp.

NUNES, A.F. (2004) Leite - Mecanismos de produção. FENALAC, Lisboa, Portugal. 240 pp

5. Assessment:

Seminar – 30%

Written Exam – 70%

6. Estimated Workload:

168	Hours
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7. Last Update:

8/7/2010
