

Code: 1528 Animal Production Techniques - Meat**Degree:** 2nd cycle – Animal Production Engineering**Curricular Year:** 1st**Semester Course:** 2nd**Credits:** 6 ECTS**Compulsory****Language:** Portuguese/English**Responsible:** José Pedro Cardoso Lemos (FMV)**Other lecturer(s):** João Pedro Bengala Freire, Maria Madalena dos Santos Lordelo, Luísa Almeida Lima Falcão e Cunha and Rui Manuel Vasconcelos Horta Caldeira (FMV)**Web Site:** <http://www.isa.utl.pt/home/node/3860>**1. Contact hours:****Lectures 42 Lecture/Practicals 28 Others 14 Total 84****2. Objectives:**

At the end of these lectures students should know the biological bases of meat production of the different species, as well as to design, develop, manage and evaluate different production systems, ensuring animal health and welfare and product quality.

3. Programme:**Theoretical**

Growth and development of farm animals.

Definition and methods of evaluation of meat quality; sensory characteristics of meat of different species; factors influencing sensory characteristics of meat.

Particular aspects of growth and development of different farm animals and its relation to efficiency and body and carcass composition.

Evaluation and valorisation of carcass characteristics and meat quality of different farm animals.

Production systems and its influence on carcass and meat quality.

Technological factors and its influence on meat quality.

4. Bibliography:**Main Bibliography**

Class handouts, lecture notes and texts about the specific subject of the class

Other Bibliography

Lawrence, T.J.L. e Fowler, V.R. (1997). Growth of farm animals. CAB International, United Kingdom

Lawrie, R.A. (2005). Ciência da Carne. 6th edition. Artmed, Porto Alegre, Brasil

Kyriazakis I., 1998. A quantitative biology of the pig. CABI publishing, Cambridge, U.K., 398 pp.

NRC, 1998. Nutrient requirements of swine 10th edition. National Academic Press, Washington, USA., 189p.

5. Assessment:

Written final exam

6. Estimated Workload:

168	Hours
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7. Last Update:

14/7/2010
