Code: 1723 **Advanced Animal Nutrition**
Degree: 2nd cycle – Animal Production Engineering
Curricular Year: 1st **Semester Course: 1st**
Credits: 6 ECTS **Compulsory**
Language: Portuguese/English
Responsible: Luísa Almeida Lima Falcão e Cunha
Other lecturer(s): Teresa de Jesus da Silva Matos, João Pedro Bengala Freire and Maria Madalena dos Santos Lordelo
Endereço Web: http://www.isa.utl.pt/home/node/3855

1. Contact hours:
Lectures 28 **Lecture/Practicals** 42 **Others** 14 **Total** 84

2. Objectives:

The main objective of this course is to provide a solid and integrated fundamental knowledge on animal nutrition area and to provide its application in practical condition and in the context of research and development

3. Programme:

Module A - Absorption and metabolism of nutrients
Module B - Exin Animal nutrition and methods of feed evaluation
Module C - Models applied to animal nutrition: study, critical analysis and application
Module D - Animal Nutrition and Animal Health, Human Health and Environment

4. Bibliography:

Main Bibliography

Kebreak E, Dijkstra J, Bannink A., Gerrits WJJ, France J (ed) 2006. Nutrient digestion and utilization in farm animals: modelling approaches. CABI Publishing
D´Mello J.P.F (ed) 2004. Farm Animal Metabolism and Nutrition. CABI Publishing
Moughan PJ, Verstegen M W A, Visser-Reyneveld, M.I, (ed) 2000. Feed evaluation: principles and practice. Wageningen Pers
Lewis AJ, Southern LL, (eds) 2001. *Swine Nutrition*. 2 Ed, CRC Press
NRC, 2001. *Nutrient Requirements of Dairy Cattle*. 7 Ed., NA Press
Jarrige R et al. (Eds) 1995. *Nutrition des ruminants domestiques ingestion et digestion*. INRA

Other Bibliography

Papers of scientific journal

5. Assessment:

Perform a bibliographic review and its oral presentation within the Module B or C Themes
A written report within module C
Final written examination

6. Estimated Workload: 168 Hours

7. Last Update: 14/7/2010