

Code: 1794 Sheep, Goat and Cattle Production**Degree:** 1st cycle – Animal Production Engineering; 2nd cycle – Agriculture**Stream:** Agriculture – Agriculture and Animal Production**Curricular Year:** 3rd (APE) / 1st (Agr)**Semester Course:** 2nd**Credits:** 6 ECTS**Compulsory** (Animal Production Engineering)**Language:** Portuguese/English**Optional** (Agriculture)**Responsible:** Fernando Baltazar Santos Ortega**Other lecturer(s):** -**Web Site:** <http://www.isa.utl.pt/home/node/3956>**1. Contact hours:****Lectures 40 Praticals/Laboratory 30 Others 14 Total 84****2. Objectives:**

Knowledge of production's species.

To know main animal characteristics, specialized in multiple types of production.

To know productive and reproductive cycles, food needs and exploration systems.

3. Programme:**A - DAIRY AND CATTLE PRODUCTION**

1. Dairy Production in the world, European Union and Portugal: Main production characteristics (herd number, consumption, expenses, etc.). Cows specialized in milk production: Main breeds. Production and reproductive cycle of the dairy cow and its needs: farming systems and production. 2. Cattle Production in the world, European Union and Portugal: Main Production characteristics (herd number, consumption, expenses, etc.). Cattle specialized in meat production: Main breeds (indigenous breeds and their limitations). The production and reproductive cycle of the pregnant cow and its needs: Farming and production systems. 3. Production of labor: Brief notes and general characteristics

B - SHEEP PRODUCTION

1. Sheep herds in the world, European Union and Portugal: production structure and herd distribution. 2. Meat production in the world, European Union and Portugal: Main Production characteristics (consumption, expenses, etc.). Meat production sheep: Main characteristics. Indigenous breeds and their limitations. Production cycle of the sheep for lamb meat and its needs: specialized breeds. 3. Milk and milk products production in the world, European Union and Portugal: Main Production characteristics (consumption, expenses, etc.): Cheese production. The cheese producing sheep. The milk producing sheep: main characteristics, requirements, production cycle and specialized breeds. 4. Wool and leather production.

C - GOAT PRODUCTION

1. Goat herds in the world, European Union and Portugal: production structure and herd distribution. 2. Milk and milk products production in the world, European Union and Portugal: main characteristics (consumption, expenses, etc.): Cheese production. The milk producing goat: main characteristics, requirements, production cycle and specialized breeds. 3. Production of textile fibres.

4. Bibliography:**Main Bibliography**

Costa, M. S., 2002. As Bases Biológicas das Produções Animais (C–Produção de Lã e Outras Fibras Têxteis de origem Animal, Vol III) Ed. ISA/UTL–DPAA.

Costa, M. S., 2003. As Bases Biológicas das Produções Animais (A–Produção de Leite, Vol I) Ed. ISA/UTL–DPAA.

Costa, M. S., 2004. As Bases Biológicas das Produções Animais (B–Produção de Carne, Vol II) Ed. ISA/UTL–DPAA.

Jarrige, R., 1988. Alimentation des Bovins Ovins et Caprins. Ed. R. Jarrige, INRA, Paris

Other Bibliography

Coop, I.E., 1992. Sheep and Goat Production (Word Animal Science. C. 1) Ed. I.E. Coop, Elsevier Scientific Publishing Company, Amsterdam.

5. Assessment:

Admission to exam: Presence in 75% of all lectures time.

Final Score: To exempt the Final Examination is needed an average mark ≥ 10 , plus an oral presentation if the students have between 8 and 10 values in a final examination.

6. Estimated Workload:

168

 Hours

7. Last Update:

15/7/2010
