

Code: 1650 Animal Anatomy and Physiology II

Degree: 1st cycle – Animal Production Engineering

Curricular Year: 2nd

Semester Course: 2nd

Credits: 6 ECTS

Compulsory

Language: Portuguese/English

Responsible: António José de Freitas Duarte (FMV)

Other lecturer(s): Graça Pires de Lopes de Melo (FMV), Graça Ferreira Dias (FMV), Fernando Garcia e Costa (FMV), Fernando Ferreira (FMV), João Martins Afonso (FMV) and Maria Luísa Jorge (FMV)

Web Site: <http://www.isa.utl.pt/home/node/3968>

1. Contact hours:

Lecture/Practicals 70 Others 14 Total 84

2. Objectives:

The course Animal Anatomy and Physiology II aim to deep knowledge on anatomy and physiology on animals necessary to perform Animal Science, such as Zootecnics Science.

3. Programme:

Theoretical Syllabus

Blood and circulatory system; Skeletal muscle physiology; Respiratory physiology; Digestive physiology; Renal physiology, Immune system physiology; Reproductive physiology; Thermoregulation; Metabolic regulation.

Practical Syllabus

Skeletal muscle morphology; Laboratory simulation of cardiovascular dynamics; Cardiovascular morphology; Respiratory tract morphology; Renal morphology; Laboratory simulation of renal function; Digestive tract morphology; Laboratory simulation of chemical and physical processes of digestion; Reproductive tract morphology.

4. Bibliography:

Main Bibliography

TRATADO DE ANATOMIA VETERINARIA -DYCE *et al* – GUANABARA KOOGAN - RIO DE JANEIRO; BRASIL

ANATOMIA E FISIOLOGIA –ROD SEELEY *et al* – LUSODIDACTA – LISBOA; PORTUGAL
TEXTBOOK OF VETERINARY PHYSIOLOGY. CUNNINGHAM, J. G. W. B. - SAUNDERS COMPANY. PHILADELPHIA- USA

Other Bibliography

Support text files

5. Assessment:

Approved with 10 (in a scale of 20)

6. Estimated Workload:

168	Hours
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7. Last Update:

13/7/2010
