

## ZOOTECHNICS

**Study programme: MIMV    Curricular Year: 1<sup>st</sup>    Semester: 2<sup>nd</sup>    Compulsory    ECTS: 5,0**

**Lecturer(s):** Rui Caldeira (CCP), Rui J. B. Bessa (R), Ilda Rosa, Fernando Afonso, Maria João Fradinho

### 1. Contact hours:

**Lectures - 28    Practicals - 14    Field work - 14**

### 2. Objectives:

Zootecnics is responsible for the first approach to the general characteristics of the animal species and its products and uses, focused in the MIMV. Students should be able to recognize the external characteristics of that species, to be acquainted with their identification methods and housing systems and the biological or the production cycles. This knowledge should allow the understanding of the importance of animals' living conditions to health and profitability of production systems.

### 3. Programme:

Study in horses, cattle, sheep, goats, pigs, birds, fish, dogs, cats and exotic species of the following subjects (when relevant):

- 1) Nomenclature of body's external regions and features (points).
- 2) Types and classification of skin covering structures (hair, wool, feathers; coat colours, points, marks).
- 3) Age estimation methods: dental evolution, eruption times of temporary and permanent teeth, bone tissue growth, outward appearance.
- 4) Methods, systems and legislation of animal identification.
- 5) Portuguese breeds and foreign breeds occurring more frequently in Portugal: origin, distribution area, national heard, morphological features and main productive purposes.
- 6) Main production systems – biological/productive/reproductive cycles, general aspects of animal housing.

### 4. Bibliography:

Lecture notes prepared by teaching staff.

DGAV (2013) Raças Autóctones Portuguesas. Direção Geral de Alimentação e Veterinária, Lisboa.

Portas, M. C. P. (2010). *Identificação de equinos*. Fundação Alter Real

Prostes da Fonseca e Cabral, A. (1945). *Pelagens dos cães*. Separata da Revista de Medicina Veterinária.

Sanudo, C. (2009). *Valoracion morfologica de los animales domésticos*. Sociedad espanola de zooetnologos, Ministerio de medio ambiente y medio rural y marino, Madrid

### 5. Assessment:

Students' knowledge is evaluated at the end of the term with a written examination including theoretical and practical subjects.