

## ORGANIC LIVESTOCK PRODUCTION

Study programme: MIMV    Curricular Year: 3<sup>rd</sup>    Semester: 6<sup>th</sup>    Optional    Credits: 2.5 ECTS

Lecturer(s): José Pedro Lemos (CCP; R), Carlos Fontes, Virgílio Almeida, Luís Carvalho

### 1. Contact hours:

Lectures – 20h    Practicals – 8h    Total – 28h

### 2. Objectives:

To know the dimension and perspectives of the organic way of production within the livestock production in Portugal, in the European Union and in the World.

To understand the methodologies, the restrictions and the laws relevant to this way of production, in view of the increasing number of consumers that, besides the nutritional quality and irreprehensible safety, also demand that production systems that are carried out in perfect balance with the environment and to ensure the welfare of animals.

### 3. Programme:

Historical framework of organic production. Objectives, current situation in Portugal, in Europe and in the world. Future prospects.

Impact of conventional livestock production on the environment, on public opinion and on the quality of products.

Ecological bases of agricultural and animal production systems. General characteristics of organic products of the primary sector

Legislation applicable to the production, certification, processing and marketing of organic products of animal origin.

Specific rules of feeding, husbandry and medical prophylaxis and health of animals in organic farming.

Specific requirements of organic production for the different animal species and their products

Process of conversion to organic livestock production

Marketing of products derived from organic livestock production

### 4. Bibliography:

Copy of files and teachers presentations

AGROBIO, Associação Portuguesa de Agricultura Biológica (2002). *Manual de Agricultura Biológica – Fertilização e Protecção das Plantas para uma Agricultura Sustentável*. AGROBIO.

Lampkin, N. (1998). *Organic Poultry Production*. Welsh Institute of Rural Studies (University of Wales Aberystwyth).

Regulamento (CE) N.º 834/2007 do Conselho de 28 de Junho de 2007

Regulamento (CE) N.º 889/2008 da Comissão de 5 de Setembro de 2008

Vaarst, M., Roderick, S., Lund, V. & Lockeretz, W. (ed.) (2004). *Animal Health and Welfare in Organic Agriculture*. Cabi Publishing.

Wright, S. & McCrea, D., (ed.) (2000). *Handbook of Organic Food Processing and Production*. Iowa State Press.

Younie, D. & Wilkinson, J. (2001). *Organic Livestock Farming*. Chalcombe Publications.

### 5. Assessment:

A final written examination will evaluate the materials taught in the lectures. The exam will consist of rapid response questions, multiple choice, true and false, and fill-in-the-blanks in sentences