

## 28925 - Production of monogastric animals

### Syllabus Information

**Academic year:** 2024/25

**Subject:** 28925 - Production of monogastric animals

**Faculty / School:** 201 - Escuela Politécnica Superior

**Degree:** 583 - Degree in Rural and Agri-Food Engineering

**ECTS:** 6.0

**Year:**

**Semester:** Second semester

**Subject type:** Optional

**Module:**

### 1. General information

It is part of the mandatory training common to all undergraduate students of the Specialty: Farms agricultural and livestock farms, therefore an overview is provided on the differences, both in the systems of exploitation of the various species of livestock interest, as well as the latest techniques for each group.

For the best follow-up of the course it is recommended to have passed the subjects: Mathematics II, Animal Science I, Statistics, Ecology and management of agro-industrial by-products. It is also desirable to have basic knowledge of English for the comprehension of scientific and technical texts

### 2. Learning results

**The student, in order to pass this subject, must demonstrate the following results...**

To be able to establish the criteria of reproduction, lactation, growth, feeding and genetics that allow to optimize from a technical-economical point of view, the production of monogastric farms.

To be familiar with the facilities and management of the most current monogastric production systems under adequate hygienic and sanitary conditions, with a commitment to the conservation of the environment, and with the sustainable use of its resources.

To be able to analyze the production parameters and identify the critical points of the processes in order to establish continuous improvement practices.

To be able to analyze the most important monogastric production systems, to understand the role of monogastric production both nationally and globally.

Be familiar with the most important legal regulations.

Be able to show a critical and responsible attitude towards quality, environmental and animal welfare issues.

Know how to access sources and avenues of access to cutting-edge research.

Be able to work in a team, including open communication, mutual respect, and with ethical values.

### 3. Syllabus

#### **Block I. Swine Production.**

Topic 1.- Situation and problems.

Topic 2.- Reproductive management.

Topic 3.- Genetic improvement.

Topic 4.- Feeding management in breeding swine.

Topic 5- Intensive pork production.

Topic 6.- Extensive and semi-extensive swine production.

#### **Block II. Poultry production**

Topic 7.- Poultry farming.

Topic 8.- Reproductive management and genetic improvement of the hen.

Topic 9.- Artificial incubation.

Topic 10.- Rearing and rearing of pullets.

Topic 11.- Exploitation of breeders

Topic 12.- Exploitation of commercial layers.

Topic 13.- Poultry meat production.

### **Block III. Rabbit farming.**

Topic 14. Rabbit farming.

Topic 15. Rabbit production.

## **4. Academic activities**

Interactive theoretical classes. 40 h.

Practical classes of problems. 10 h.

Practical field trip/seminar classes. 10h

Individual study and work. 85h

Assessment 5h

## **5. Assessment system**

1. Performance of a practical test on formulation. This test will consist of a single question that will be graded out of 2 points and the students will be able to use the material they deem appropriate. . Students who pass this test may choose to take an exam at the end of the term only on the remaining contents of the course, which will add the remaining 8 points to the grade

2. A written test at the end of the course, in the first and second call, on the contents exposed in the theoretical and practical classes. This test may consist of multiple choice questions and/or open questions, in addition to the formulation question, which will be valued out of 2 points. The grade obtained will represent 100% of the overall grade for the subject.

A minimum of 5 points is required to pass the subject.

The success rates for the subject in the last three years are: 100%; 100%; 100%

## **6. Sustainable Development Goals**

4 - Quality Education

8 - Decent Work and Economic Growth

12 - Responsible Production and Consumption