



Organic Farming



information

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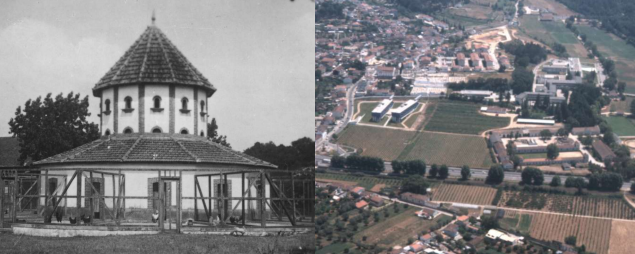
This degree programme enables the students to successfully carry out their professional activity with solid knowledge of the main principles, theories and methodologies in organic farming. The program also enables them to carry out the activities and tasks related to their study programs and guarantee the compliance with current National and European legislation. Further the students should be able to analyze issues related to sustainable development and issues related with the production of goods or services and quality control. Finally, students should understand the inter-relation of life sciences with society, human behaviour and the economical, social,

Structure and Objectives

ORGANIC FARMING

BSc in

and marketplace policies. Moreover, the study program ensures that the students have scientific and technical training to enable them; to conduct directed research and teaching; to do and transfer scientific cutting-edge experimental activities; to be entrepreneurial, to have active participation in development activities; to carry out activities of research and innovation in which will result in the implementation of new procedures that may be made more concrete through publications and patents in the diverse domains of the students competence.



Coimbra, and offers modern facilities, quality equipment, laboratories, as well as vast agricultural land, forests, vineyards and historic buildings, including over one-hundred year old riding school. *ESAC* has achieved excellence in the areas of Agricultural Sciences, Food Science, Forestry, Environmental Studies, Biotechnology and Ecotourism.

A brief history of Escola Superior Agrária de Coimbra

Agricultural studies were created in Portugal during the early 19th century. In 1887, one of the elementary agricultural schools, the Central School of Practical Agriculture, was established in Coimbra in farms once owned by the Church.

Proud of its past, the now called *Escola Superior Agrária de Coimbra (ESAC)* is adapted to new technologies and world changes. The school is located on a campus of 64 ha, in the southern area of

Escola Superior Agrária offers seven Study Programmes:

- **BSc in Environmental Engineering**
- **BSc in Food Engineering**
- **BSc in Biotechnology**
- **BSc in Ecotourism**
- **BSc in Forest Resources Engineering**
- **BSc in Agricultural Engineering**
- **BSc in Organic Farming**

Bsc. in Organic Farming

1 st Semester	ECTS
Mathematics and Computer Science	6
Chemistry and Biochemistry	6
Biology	6
English Language and Communication Skills	3
Geology and Climatology	6
Introduction to Organic Farming	3

2 nd Semester	ECTS
Mathematics and Computer Science	6
Chemistry and Biochemistry	6
Biology	6
English Language and Communication Skills	3
Pedology	4
Vegetal Physiology	5

3 rd Semester	ECTS
Economy and Sociology	4
Soil Fertility and Plant Nutrition	4
Anatomy and Physiology of Animals	5
Plant Protection	4, 5
Animal Health	4, 5
Animal Reproduction	4
Professional Training	4

4 th Semester	ECTS
Animal Nutrition and Feeding	4
Irrigation and Drainage	5
Pastures and Forage Conservation	5
Small Ruminants	4
Organic Fruit and Viticulture I	4
Crop Protection	4
Professional Training	4

5 th Semester	ECTS
Enterprise Management and Entrepreneurship	5
Organic Bovine Production	5
Organic Arable Crops	5
Agricultural Mechanization	5
Organic Pig Production	5
Organic Fruit and Viticulture II	5

6 th Semester	ECTS
Horse Riding and Equine Management	2
Organic Horticulture	5
Organic Poultry Production	5
Professional Training	18

PROSPECTIVE CAREERS

Enterprises

- Business
- Responsible for technical services under the advice and technical monitoring
- Management and agribusiness
- Marketing
- Dissemination of new technologies
- Food Processing
- Product Certification

Services

- Integration in research and development projects
- Integration in development programmes
- Consulting
- Supervision
- Education and professional formation

Entry requirements

- Complete secondary education (12th year or equivalent)
- 12th year examinations: Biology and Geology or Physics and Chemistry or Portuguese
- No pre-requirements needed

DEGREE

BSc in Organic Farming

- Duration: 3 years (1st cycle) / 180 ECTS