



**PERROTIS
COLLEGE**

A DIVISION OF THE
AMERICAN FARM SCHOOL

B.Sc. in Sustainable Agriculture and Management



Curriculum



1st Year

- Environment and Climate Change
- Digital Skills (prev. IT Skills)
- Basic Mathematics
- Introductory Composition
- Principles of Biology
- English Language I
- Society and Sustainability
- Mediterranean Diet: Science and Culture
- Introduction to Academic Writing
- Introduction to Information Systems
- Public Speaking and Business Communication
- English Language II

2nd Year

- Environmental Technology and Agricultural Machinery
- Introduction to ICT for Agriculture and Environment
- Agricultural Marketing
- Principles of Microbiology and Chemistry
- Academic and IT Skills
- Introduction to Agro-Environmental Systems
- Business Administration and Agricultural Accounting
- Environmental Soil Science
- Principles of Biotechnology and Plant Breeding
- Botany and Plant Propagation
- Entomology
- Introduction to Livestock Science

3rd Year

- Principles Of Precision Agriculture and Environmental Sustainability
- Plant Physiology
- Principles of Plant Pathology
- Waste Management
- Principles of Pesticides - Applications and Safety
- Biometry and Agricultural Experimentation
- Field Crop Production
- Fruit Tree Production
- Weed Science and Management
- Olive Production Systems
- Viticulture
- Crop Nutrition and Soil Fertility Management

4th Year

- Farm Management
- GIS in Agriculture and the Environment
- Horticultural Science
- Medicinal and Aromatic Plant Production
- Post Harvest and Olive Processing
- Dissertation
- Precision Agriculture Applications
- Greenhouse Technology and Management
- Irrigation and Water Management
- Ecological Agriculture

Dissertation

The **Bachelor of Science (B.Sc.) in Sustainable Agriculture and Management** is an academic program focused on providing high quality and professionally relevant undergraduate modules to transfer scientific and technical knowledge as well as practical skills. Program graduates benefit from a wide-ranging, critical understanding of the areas of agriculture and precision agriculture, the environment, sustainable crop and soil management, as well as human and animal nutrition and consumer issues as they relate to the SAM disciplines.

Specializations and Career Opportunities

Precision Agriculture

Precision Agriculture is the integrated use of cutting-edge technology and information-based, decision-making agricultural systems and methodologies. This innovative and holistic approach has as its primary aim the improvement and optimization of farm production processes and costs. Graduates are eligible to continue studying at the post-graduate level or directly enter the job market, working with firms and institutions that focus on farm products, agro-environmental consulting and waste management.

Livestock Management

This specialization enables students to acquire practical animal husbandry skills and learn the main production parameters of animal nutrition, reproduction, selection, installations, health and welfare. Graduates can continue their studies at the post-graduate level or directly enter the job market in fields related to the care and management farm animals.

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