University of Catania
Faculty of Agriculture
The Faculty of Agriculture of the University of Catania was founded in 1947 with the contribution from the Sicilian Government. The main seat was built in 1952.

www.fagr.unict.it

Dean: Prof. Agatino Russo (2008-2011)
DEPARTMENTS

- DACPA, Agronomic, Agrochemistry and Animal Production
- DOFATA, Horticultural, Ornamental Crops and Agricultural Industries
- DISTEF, Plant Health, Pest and Disease Science and Technologies
- DIA, Agricultural Engineering
- DISEAE, Economic and Valuation Science
DACPA – Agronomy and cropping systems science

Main Research Topics

- Crop management
- Quality of products
- Crop response to water and salt stress
- Agrometeorology and crop modeling
- Soil conservation and erosion control
- Biomass crops for energy production
Main Research Topics

- Animal genetics
- Hypoallergenic milk
- Grazing behaviour
- Lamb meat quality
- Fodder shrubs as feed resources
- Pasture feeding and product quality
- Pasture traceability in animal products
Faculty of Agriculture

DOFATA - Vegetable and Flower Production Science

Main Research Topics

- Nursery and planting
- Propagation
- Soilles cultivation
- Crop and produce diversification
- Produce quality
- Plant / environment relationships
- Ornamental plants and landscaping
Main Research Topics

- Use of molecular markers for studying phylogenesis and origin
- Characterization of local germplasm
- Molecular breeding
- Genetic improvement of varieties and rootstocks
Main Research Topics

- Assessment of microbiological quality of food
- Study of enzyme activities for improving the quality of food
- Food analysis
- Quality and safety of food
- Food packaging
Main Research Topics

- Population dynamics of plant pests
- IPM strategies and biocontrol applications in Mediterranean crops
- Stored food protection from infesting animals
Main Research Topics

- Citrus and grapevine diseases
- Vegetable crops diseases
- Advanced molecular diagnosis
- Previsional models of plant epidemics
Main Research Topics

- Water resources management
- Irrigation systems design
- Wastewater reuse for irrigation
- Remote sensing for ETP evaluation
- Soil erosion and control by bioengineering techniques
Main Research Topics

- Livestock buildings
- Buildings for agro-industry
- Covering films
- Mulching films for soil solarisation
- Design, structures and energy balance of greenhouses
- Land management and planning
DIA - Mechanics and farm mechanisation

Main Research Topics

- Postharvest technology
- Harvesting from drupaceous trees
- No-tillage techniques for soil conservation
- Mechanisation of vegetable crops
- Plant protection products application
Faculty of Agriculture

DISEAE

Main Research Topics

- Agricultural economics and policy
- Promotion of agricultural and food products
- Sustainable rural development
- Land planning and marketing
- Environmental and natural resources economics
The main farm is extended on 50 hectares and supports teaching, researches and general services for all the Departments of the Faculty.

All Departments have many experimental fields located in eastern Sicily as well.
Faculty of Agriculture

Integration in "Bologna process"

Secondary school

First level degree

1st year 2nd year 3rd year

Second level degree

1st year 2nd year

PhD

1st year 2nd year 3rd year

Specialization certificate

First level Master

Second level Master
EDUCATIONAL OPTIONS

- 6 First level degree Courses
- 3 Second level degree Courses
- 9 PhD Courses
- Various master courses (1st & 2nd level)
FIRST DEGREE COURSES

- Agricultural Science and Technology
- Food Science and Technology
- Tropical and Subtropical Agricultural Science and Technology
- Planning and Management of Green Areas, Parks and Gardens
- Economics and Management of Agro-industrial Farms
- Technologies and Planning for Territory and Environment
SECOND DEGREE COURSES

- Agricultural Science and Technology
- Food Science and Technology
- Tropical and Subtropical Agricultural Science and Technology
Faculty of Agriculture

DEGREE COURSES AND SITES LOCATION

- Economics and Management of Agro-industrial Farms
- Agricultural Science and Technology
- Food Science and Technology
- Technologies and Planning for Territory and Environment
- Planning and Management of Green Areas, Parks and Gardens
- Tropical and Subtropical Agricultural Science and Technology
PhD COURSES

• Productivity of Mediterranean Crops
• Food Science and Technologies
• Agro-industrial Economics
• Agricultural Engineering (International)
• Phytosanitary Technologies (International)
• Agricultural Chemistry and Eco-compatibility
• Tropical and Subtropical Agriculture
• Animal Production
• Entomological Science and Protection of Agro-ecosystems (International)
PhD COURSES

- Duration: 3 years
- Standardized admission criteria (public selection)
- Different kind of seats in each cycle:
  - n granted students (both EU and non-EU)
  - n non-granted students (both EU and non-EU)
- Training activities (mainly in Italian language, also in English in the international courses):
  - seminars on specialised topics
  - field and laboratory activity
  - tutorized research
- European doctorate title awarded
PhD COURSES - selection

Example of timetable: XXV cycle (2009-2012)

- Request of the cycle: deadline 31st January 2009
- Decision by the Academic board: May-June 2009
  - Approval of the cycle
  - Financial support
  - Number of grants (n)
- Call for students application: summer 2009
- Students application
  - Deadline autumn 2009
- Selection of students: late October 2009
- Official start of courses: 1st November 2009
## Faculty of Agriculture

### PhD COURSES - gross costs (€)
**(per student, per year)**

<table>
<thead>
<tr>
<th>Voice</th>
<th>Per month</th>
<th>Per year</th>
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<tbody>
<tr>
<td>Fee</td>
<td></td>
<td>1,080</td>
</tr>
<tr>
<td>Accommodation</td>
<td>200-250</td>
<td>2,400-3,000</td>
</tr>
<tr>
<td>Living costs</td>
<td>400-500</td>
<td>4,800-6,000</td>
</tr>
<tr>
<td>Others</td>
<td>150-200</td>
<td>1,800-2,400</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>9,000-11,400</strong> (+ fee)</td>
<td><strong>9,000-11,400</strong> (+ fee)</td>
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</tbody>
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European master course including students mobility in at least two universities members of NATURA

- M1 in one country
- M2 in a second country

Partners:

- Wageningen University (the Netherlands)
- University of Copenhagen (Denmark)
- University College Cork (Ireland)
- University of Catania (Italy)
- Polytechnique University of Madrid (Spain)
- Montpellier SupAgro (France)
Faculty of Agriculture

International Masters: Agris Mundus

University 1
5 optional choices
60 ECTS

University 2
Optional choices
30 ECTS

Research Methodology Workshop - All students

Common selection and Admission procedures

Orientation Week - All students

Master Thesis
co-tutored by Univ. 1 and Univ. 2
30 ECTS
Faculty of Agriculture

International Masters: Agris Mundus
Faculty of Agriculture

International Masters: Agris Mundus
Faculty of Agriculture

International Masters: Agris Mundus
Thank you for your kind attention