

### BACHELOR'S DEGREE

#### BIOTECHNOLOGY (L-25)

##### **Course Director**

Prof. Giuseppe Scapigliati  
scapigg@unitus.it

The educational objectives of the course originated from the need to have graduates with a high level of knowledge and experience to operate in the biotechnology sector. This need is highlighted by the increase in biotechnology products in the production processes of all countries, where, especially in the most technologically advanced, there is intense competition for supremacy in the experimental stages, in patenting and in the implementation of processes that are distinguished for their efficiency and low environmental impact. In this regard, the educational aims concerning the acquisition of knowledge, skills, abilities and behaviour which will permit entry into the world of work in the various biotechnological fields, such as agro-food, industrial, pharmaceutical, medical and veterinary, and in the field of scientific communication or to enable students to undertake studies at higher levels.

# DIBAF

## INNOVATION IN BIOLOGICAL, AGRO-FOOD AND FORESTRY SYSTEMS

### BACHELOR'S DEGREE

PLANNING AND DESIGN OF LANDSCAPE AND ENVIRONMENT (L-21)

Inter-University Bachelor's Degree University of Tuscia Sapienza Università di Roma

**Course Director**

Professor Rita Biasi

[biasi@unitus.it](mailto:biasi@unitus.it)

The degree course in Planning and Design of Landscape and Environment is a result of the synergy between the University of Tuscia (former Faculty of Agriculture) and the Faculty of Architecture of the University La Sapienza of Rome. The union was forged to meet the growing national and European demand for high-profile technicians able to operate, in an innovative and cross-disciplinary way, on environmental issues of enormous proportions, in terms of landscape, urban and socio-economic impact.

### BACHELOR'S DEGREE

#### FORESTRY AND NATURAL SCIENCES (L-25)

#### DAFNE - DIBAF cross-department course

##### **DIBAF department coordinators**

Prof. Manuela Romagnoli  
mroma@unitus.it

Phone +39-0761 357399

Prof. Luigi Portoghesi  
lporto@unitus.it

Phone +39-0761 357406

##### **Course Director**

Prof. Maria Nicolina Ripa  
nripa@unitus.it

Phone +39-0761 357362

The degree course in Forestry and Natural Sciences (SFN) deals with forestry and nature management and conservation in all their complexity and entirety. It aims at bridging the gap between natural science knowledge and practical, project-based knowledge. In order to face the challenges of the contemporary world, the three-year degree course allows graduates to understand and interpret the natural environment's main aspects and issues as well as local and global environments, and to connect them with the sustainable management of forestry and of the other local natural system.

# DIBAF

## INNOVATION IN BIOLOGICAL, AGRO-FOOD AND FORESTRY SYSTEMS

### **BACHELOR'S DEGREE**

**FOOD TECHNOLOGY AND OENOLOGY (L-26)**

**Course Coordinator**

Prof. Maurizio Ruzzi

[ruzzi.maurizio@studenti.unitus.it](mailto:ruzzi.maurizio@studenti.unitus.it)

The aim of the undergraduate programme in Food Technology and Oenology is to provide a strong interdisciplinary background in the food, wine and wine-making sectors, as well as training professionals and technicians who have appropriate skills to work independently at all stages of the supply chain, from production to consumption of the food and wine products, including the ability to ensure the health and hygiene safety and quality of products, as well as their storage and distribution.

### MASTER'S DEGREE COURSES

#### FOOD SCIENCE AND (LM-70)TECHNOLOGY

#### Food Technologies Curriculum

#### **Unitus course coordinator**

Professor Maurizio Ruzzi

[ruzzi.maurizio@studenti.unitus.it](mailto:ruzzi.maurizio@studenti.unitus.it)

The second level degree course stems from the synergy between the DIBAF department of the University of Tuscia and the departments of Biology and Biotechnologies “Charles Darwin”, Environmental biology, chemistry and management of ‘La Sapienza’ University of Rome. The inter-university course is to train professionals equipped with the scientific bases and the knowledge and skills necessary to perform tasks such as, planning, management, control, coordination and training in the sectors of production, research and development, storage, distribution and administration of food and drink. The course has two paths: Food sciences and technology (Viterbo) and Quality and promotion (Rome), with common activities in the fields of food technologies, food microbiology and food law that will be carried out during class for the University of Tuscia students and in synchronous e-learning for the students of ‘La Sapienza’ University of Rome.

### MASTER'S DEGREE COURSES

#### FORESTRY AND ENVIRONMENTAL SCIENCES (LM-73)

(MSc in English)

**Course Director**

Professor Elena Kuzminsky

elkuz@unitus.it

ERASMUS coordinator

Professor Paolo De Angelis

pda@unitus.it

The second level degree course of Forestry and Environmental Sciences stems from the need of having a second level degree graduate whose knowledge and experience allow him or her to operate at a management or coordination level in the sustainable management of forestry resources and in the development of rural and mountain areas, with a focus on the peculiarities of the Mediterranean environment, the planning and management of environmentally friendly infrastructures in urban areas aimed at mitigating environmental issues, and in innovative operational areas where an in-depth knowledge of forestry is required.

# DIBAF

## INNOVATION IN BIOLOGICAL, AGRO-FOOD AND FORESTRY SYSTEMS

### MASTER'S DEGREE COURSES

#### INDUSTRIAL BIOTECHNOLOGY FOR HEALTH AND WELLBEING (LM-8)

**Course Coordinator**

Professor Fernando Porcelli  
porcelli@unitus.it

The second level degree course stems from the synergy of the DIBAF and DEB departments and from the need to complete the course offer in the biotechnology area and, in particular, in industrial biotechnology. The course aims at giving students a sound scientific basis allowing them to plan, produce and recover animal, plants, microbial and synthetic bioactive molecules for the cosmetic, cosmeceutical, nutraceutical and pharmaceutical sectors.

### **FIVE-YEAR SINGLE CYCLE DEGREE COURSE**

#### HERITAGE CONSERVATION AND RESTORATION (LMR-02)

Qualifying degree for the profession of Cultural Heritage Restorer (Legislation D.Lgs. 42/2004)

#### **Course Coordinator**

Professor Stefano De Angeli  
deangeli@unitus.it

#### **Administrator**

Paola Luisa Pogliani  
pogliani@unitus.it

The single-cycle Master's Degree course in Heritage Conservation and Restoration LMR-02 qualifies graduates for the profession of Cultural Heritage Restorer. The structure of the course comprises theoretical and methodological studies, and technical activities, including diagnostics, conservation and restoration. All the activities are carried out in the lab and in the workshop, on original artefacts in authentic contexts. Enrolment to the course is accessed by means of tests, while the course programme concludes with a final exam. The study plan offers a historical, scientific and technical foundation, a correct methodological approach, a high ability to recognise, criticise and diagnostics, a sound practical basis as well as intervention and management abilities.



### POSTGRADUATE STUDIES AND MASTER'S RESEARCH DOCTORATES

#### SCIENCE, TECHNOLOGY AND BIOTECHNOLOGY FOR SUSTAINABILITY

##### **Coordinator**

Professor Mauro Moresi  
mmoresi@unitus.i

##### **Food Curriculum Coordinator**

Professor Fabio Mencarelli  
mencarel@unitus.it

##### **Forest Ecology and Environmental Technologies Curriculum**

##### **Coordinator**

Professor Marco Marchetti  
marchettimarco@unimol.it

##### **Biological Systems / Bio-based Industries Curriculum Coordinator**

Professor Maurizio Petruccioli  
petrucci@unitus.it

Launched in collaboration with the University of Molise, the PhD programme aims to provide the skills necessary to carry out highly qualified research activities at national and international universities, businesses and institutions, in the sectors of: 1. Agro-food production; 2. Environmental technologies and forest ecology; 3. Biological systems and bioindustry.

# DIBAF

## INNOVATION IN BIOLOGICAL, AGRO-FOOD AND FORESTRY SYSTEMS

### POSTGRADUATE STUDIES AND MASTER'S RESEARCH DOCTORATES

FIRST LEVEL MASTER'S DEGREE IN ENOGASTRONOMY - MANAGEMENT, ENHANCEMENT AND PROMOTION  
INTERDISCIPLINARY MASTER'S DIBAF - DEIM – DAFNE - DISUCOM - DEB

#### **Coordinator**

Prof. Diana De Santis  
desdiana@unitus.it  
Tel. 0761 357371

The aim of the master's degree course is:  
to train highly specialised professionals, with multidisciplinary skills, able to know, understand, evaluate and interpret with expertise the quality of enogastronomic products and activities, and to promote an efficient enhancement and promotion strategy. Today, highly skilled professionals in this field are difficult to find in the current marketplace. The course aims to enable students to acquire the technical communicative tools with a view to creating an awareness of the quality of foods, which is essential to successfully evaluate, enhance and/or manage a product.

### POSTGRADUATE STUDIES AND MASTER'S RESEARCH DOCTORATES

#### FIRST LEVEL MASTER'S DEGREE IN GUIDES AND INTERPRETERS OF THE LANDSCAPE AND CULTURAL HERITAGE

**Coordinator**

Prof. Giuseppe Scarascia Mugnozza  
gscaras@unitus.it

The Master's degree is aimed at graduates of scientific, biological-agricultural, environmental, architecture and landscape, historical-literary, cultural heritage, communication and sociology disciplines. The Master's degree aims to support and promote new professionals who are able to interpret, guide and educate in the sector of environmental and cultural resources conservation and enhancement in protected areas.

### POSTGRADUATE STUDIES AND MASTER'S RESEARCH

#### DOCTORATES

#### FIRST LEVEL MASTER'S DEGREE IN COMMUNITY

#### NARRATORS INTERDISCIPLINARY MASTER'S

#### DEGREE DIBAF - DISTU - DISUCOM

##### **Coordinator**

Prof. Stefano De Angeli

deangeli@unitus.it

Tel. 0761 357120

Knowing how communities see themselves, what they think about their past and how they plan to use this inheritance to build their future.

Landscape, art and archaeological heritage promotion and enhancement, the enhancement and promotion of the cultural values of the territory and of traditional agro-food production are fundamentally important for cultural and financial development given today's high levels of competition, which is characterised by excessive fragmentation and dispersion of "ancient knowledge". In order to respond to these needs and have a positive effect on non-urban land economic growth, this Master's degree course aims at training students to acquire a new specialised competence such as the 'community storyteller', who can respond to the local territory's needs as well as the needs of the main actors working in tourism (animation, promotion, reception, restaurants, territorial marketing and so on) and culture (promotion, museums, archaeological heritage, training, natural and urban landscape, construct upgrade, technologies related to use, creativity and more).

### POSTGRADUATE STUDIES AND MASTER'S RESEARCH

#### DOCTORATES

#### SECOND-LEVEL MASTER'S DEGREE IN PLANT NUTRITION

##### **Coordinator**

Prof. Maurizio Ruzzi

[ruzzi.maurizio@studenti.unitus.it](mailto:ruzzi.maurizio@studenti.unitus.it)

The Master's degree course is aimed at graduates in medical-scientific, food-technology and agro-food subjects and is therefore aimed at supporting and preparing new professionals who are able to face the different challenges posed by the new 100% plant-based scenario. The specific aim is that of providing the scientific knowledge related to the molecular, metabolic and nutrigenomic aspects of 100% plant-based nutrition in the different physiological scenarios and the main diseases.

### ALPINE STUDIES CENTRE – CSALP THE UNIVERSITY OF TUSCIA

#### **Coordinators**

Cocozza Maria

Tel. 0761 357166 - cocozza@unitus.it

Rosella Lisoni

Tel. 07610357544 - ros@unitus.it

The Department for Innovation in Organic, Agro-Food and Forestry Systems founded and manages the Alpine Studies Centre (CSALP), an interdepartmental unit of the University of Tuscia, located in, in Pieve Tesino (Trento), for teaching and research purposes. The centre is intended primarily as a summer study and research facility for students of forestry and environmental, agro-food and biotechnology courses. The Centre is also used for teaching and research activities promoted by teachers and students of the University of Tuscia, but is also open to all scientific and educational institutions on request, depending on availability and in accordance with the regulations governing its use. The Centre normally operates two facilities with meeting rooms, classrooms, laboratories and accommodation for about 60 people.