

DEB

DEPARTMENT OF ECOLOGICAL AND BIOLOGICAL SCIENCES

BACHELOR'S DEGREE

BIOLOGICAL SCIENCES (L-13)

Course Director

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Department Student Office:

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The training needs that have been identified will equip a graduate in Biological Sciences with a solid cultural basis, which can be employed in various fields. Therefore, the degree course in Biological Sciences aims to train young graduates who have adequate basic preparation in various sectors of Biology. The study pathway has been designed to provide the student with essential, integrated and progressive acquisition of skills aimed at understanding biological phenomena at levels of increasing complexity. The specific objectives of the course, while keeping in mind the competences required for future professional activities at the end of the three-year course, are oriented primarily towards the acquisition of further university education.

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DEPARTMENT OF ECOLOGICAL AND BIOLOGICAL SCIENCES

BACHELOR'S DEGREE

ENVIRONMENTAL SCIENCES (L-32)

Degree Courses in Sciences and Technologies of the Environment and Nature

Course Director

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DEPARTMENT OF ECOLOGICAL AND BIOLOGICAL SCIENCES

MASTER'S DEGREE COURSES

CELLULAR AND MOLECULAR BIOLOGY (LM-6)

Degree in Biology

Course Director

Prof. Nicla Romano

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The main objective of the Master's of Science Degree in Cellular and Molecular Biology, LM-6, is to deepen cultural knowledge and skills in the field of basic and applied biology, coupled with thorough scientific and operational training in the disciplines that characterize the course. This objective is in line with improvements to the university system, in relation to a European and international context, thus improving the quality of training.

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DEPARTMENT OF ECOLOGICAL AND BIOLOGICAL SCIENCES

INTERDEPARTMENTAL MASTER'S DEGREE

INDUSTRIAL BIOTECHNOLOGY FOR HEALTH AND WELLBEING (LM-8)

Course Director

Prof. Fernando Porcelli

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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. Students learn the advanced scientific methods needed to study and develop extraction and characterisation processes of natural substances, the planning of new specific bioactive molecules, the identification of their pharmacogenetic and toxicological effect and the creation of biomolecular, bio-catalytic and microbiological systems which are of fundamental importance in order to use biotechnologies in applied research, industrial production and services related to human health and wellbeing.

BIOLOGY AND MARINE ECOLOGY (LM-6)**Course Director**

Prof. Marco Marcelli

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Phone +39-

The educational objectives of the course aim to form a highly qualified and specialized professional figure capable of dealing with environmental problems from a biological point of view but at the same time able to manage all ecological processes at the basis of the production of goods and services that the marine environment provides. The study course aims at training marine environmental biologists. Marine environmental biologists are skilled at knowing, classifying and solving environmental issues through a systemic and interdisciplinary approach. This is achieved by prioritising competences in the management and conservation of the marine (coastal and ocean) environment biological resources.

DEB

DEPARTMENT OF ECOLOGICAL AND BIOLOGICAL SCIENCES

POSTGRADUATE STUDIES AND MASTER'S RESEARCH

DOCTORATES

PhD in ECOLOGY AND SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES

Coordinator

Prof. Roberta Cimmaruta

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The Doctorate in Ecology and Sustainable Management of Environmental Resources aims to train young professionals in the sector of ecological research, both basic, and applied to the sustainable use of natural resources and to environmental management. Students will acquire the skills needed to address the complex and multi-dimensional problems related to research activities, management and conservation in questions regarding the environment with interdisciplinary and multi-sectoral research approaches.

DEB

DEPARTMENT OF ECOLOGICAL AND BIOLOGICAL SCIENCES

FIRST LEVEL MASTER'S DEGREE IN ENOGASTRONOMY – MANAGEMENT, ENHANCEMENT AND PROMOTION

Interdepartmental Master's Degree - DIBAF - DEIM – DAFNE- DISUCOM - DEB

Administrative Offices

DIBAF

Coordinator

Prof. Diana De Santis

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The aim of the master's degree course is: to prepare 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 strategy of enhancement. Today, highly skilled professionals in this field are difficult to find in the current marketplace.

The course aims to enable you 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.