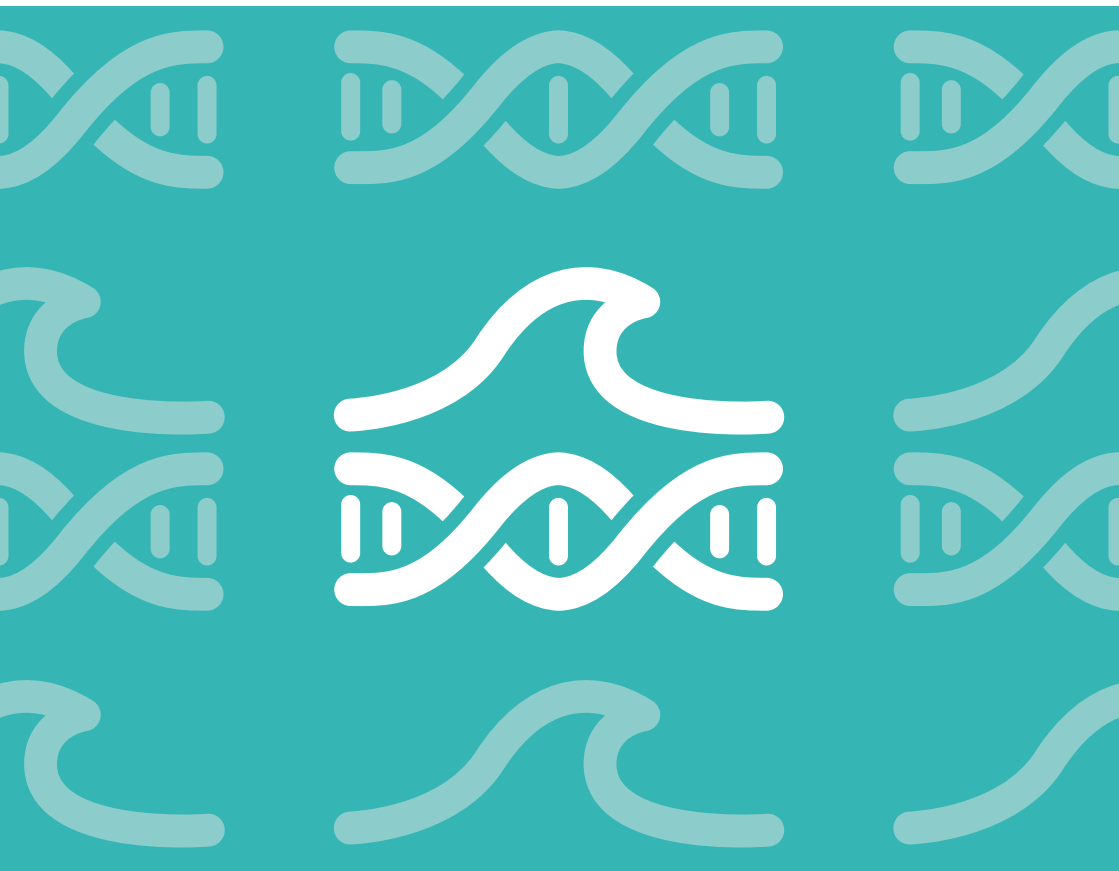




DEPARTMENT OF **ECOLOGICAL AND BIOLOGICAL SCIENCES**



DEPARTMENT HANDBOOK
A.Y. 2016 / 2017



UNIVERSITÀ
DEGLI STUDI DELLA
Tuscia

DEB
DEPARTMENT
OF ECOLOGICAL
AND
BIOLOGICAL SCIENCES

Department handbook
A.Y. 2016/2017

Bachelor's degree courses
Master's degree programmes
Single-cycle degree courses
Postgraduate study



UNIVERSITÀ
DEGLI STUDI DELLA
Tuscia

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WELCOME



Professor Giuseppe Nascetti
Head of Department

Dear Students, It is with great pleasure that I welcome you to the University of Tuscia, the dynamic and innovative University situated in Viterbo. As you know, a university reform is currently being applied but you may not know that we were the first in Italy to fully implement this reform. Among other things, the reform entails the transfer of educational responsibilities from Faculties, which have been discontinued, to Departments, which were previously concerned almost exclusively with scientific and technological research. The intention of this change was to link scientific research and the cultural production of the Department professors directly to the teaching and research activities. For this reason, the degree courses within the department regard only the disciplines in which the department is active, qualified and scientifically productive. The Department of Ecological and Biological Sciences (DEB) offers four degree courses: Biological Sciences (three-year Bachelor's programme), Cellular and Molecular Biology (two-year Master's programme), Environmental Sciences (three-year Bachelor's programme in Civitavecchia), and Marine Biology and Ecology (two-year Master's programme in Civitavecchia). These are the degree courses which have been activated according to legislation DM 270/04, on which you have enrolled or are about to enrol. Of course, students enrolled in previous academic years will follow the programmes as organized at the



beginning of their university careers. The lessons, workshop activities and laboratory activities, including a final thesis, are carried out at the Viterbo Campus. Environmental Sciences and Marine Biology and Ecology lectures are held at our headquarters in Civitavecchia, while the laboratory activities are carried out at our Oceanology, Marine Biology and Coastal Ecology laboratories in Civitavecchia, and at the Saline di Tarquinia (Salt flats in Tarquinia). The Bachelor's and Master's degree courses offered by DEB prepare highly skilled technicians and professionals in environmental and biological fields. Graduates in Biological Sciences will be equipped to carry out activities in various fields of application, such as production and technological activities in laboratories (in hospitals, private laboratories dealing with bioanalysis, private industries, etc.) and services at the level of analysis, control and management. The degree course in Environmental Sciences aims to train professionals equipped to tackle environmental problems, recognize, classify and define solutions, in informed and competent consultation with nature specialists, analytical technicians, businesses, public institutes and public opinion. DEB is divided into a number of laboratories which boast cutting-edge equipment, with professor-researchers who have earned international and national recognition and who publish in the best international scientific journals. The active laboratories, where Bachelor's, Master's, and Phd theses are carried out are: Functional Anatomy and Developmental Biology, Biochemistry, Bio-climatology, Molecular Biology, Botany and Mycobacteriology, Organic Chemistry, Cytology, Ecology, Ecology of Fungi and Algae, Genetics, Physics, Hydro-biology, Hydrogeology, Immunology, Microbiology, and Oceanology.

DEB
TRAINING
COURSES
A.Y.2016/2017



BACHELOR'S DEGREE (L-13)

BIOLOGICAL
SCIENCES



Course Director

Prof. Carla Caruso
caruso@unitus.it

Education Office

didat.deb@unitus.it
Tel. 0761 357117 - 113 - 109

Teaching Aims

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.

The academic programme includes three different study areas:

- non-biological disciplines;
- biological disciplines;
- in-depth study of biological disciplines.

The above-mentioned areas contribute sequentially and jointly to achieving the teaching aims which are specific to the course, targeted at giving the student a modern and thorough grounding in life sciences.

Career opportunities

Our graduates will be able to carry out professional activities and techniques in various fields of application, such as production and technology activities in laboratories, and services regarding analysis, control and management; and in all those public and private areas where it is necessary to classify, manage and use living organisms and their constituents. They will also be able to handle the relationship between development and quality of the environment in multidisciplinary professional firms engaged in the fields of environmental impact assessment, in the development of projects for the conservation and restoration of the environment and of biodiversity and biosafety.

In particular, according to the ISTAT classification of professions, DEB graduates qualify for employment in the following categories:

Biologists and related professions, biotechnologists, technicians operating in the manufacturing of food products.

As a graduate, you will be able to integrate into various working environments using your training as a ductile base from which to further your specific, professional knowledge.

The figure of the Biologist is professionally recognized. Graduates are expected to enrol in the National Association of Biologists (Junior Biologist), after having passed a State examination.

BACHELOR'S DEGREE COURSE (L-32)

ENVIRONMENTAL SCIENCES

Degree Courses in Sciences and Technologies of the Environment and Nature
(ex DM 270/04)



Course Director

Prof. Carlo Belfiore
c.belfiore@unitus.it

Location

Civitavecchia Campus
didat.deb@unitus.it
Tel. 0766 28931 - 21600

Teaching Aims

The Degree Course includes 20 exams, many of which are dedicated to the marine environment. The course enables the student to acquire a systemic environmental culture and practical experience in the scientific world regarding process analysis methodology, systems and problems related to the environment, both natural and modified by man. The course objectives are to form professionals able to tackle, recognize, classify and develop solutions to environmental problems, while carrying out informed and competent consultation with nature specialists, analytical technicians, businesses, public institutes and public opinion.

At the end of your study pathway, as a university graduate in Environmental Sciences, you will have acquired the ability to carry out an interdisciplinary approach to the study of environmental issues, thus becoming a specialist with a definite working method rather than a specialist in a single disciplinary area. You will be able to dialogue with professionals from different backgrounds and put contributions resulting from more specific and sectoral areas into a perspective view.

The course aims to provide the student with the following knowledge:

- appropriate and adequate elements of mathematics, physics, chemistry, statistics, information technology and English language;
- suitable operational elements relative to animal and plant biology, genetics, ecology, microbiology, earth science, soil science, environmental law and policy and environmental economics;
- methods of analysis achieved through laboratory activities in various sectors for at least 20 Credits (CFU);
- professional experience gained through training activities, such as external internships in companies, in public administration and laboratories, and internships at Italian and foreign universities within the framework of international agreements;

and the following skills:

- detection, classification, analysis, restoration and conservation of biotic and abiotic components of natural eco-systems, including water and land (parks,

natural reserves etc.);

- analysis, monitoring and simulation of systems and environmental processes controlled by scientists, focusing on sustainability and prevention, which aims towards the promotion of environmental quality;
- localization, diagnostics, protection and recovery of environmental assets.

The course consists of several exercises at sea, thanks also to the small fleet available to the department for teaching and research activities that are also held at:

- the Laboratory of Experimental Oceanology and Marine Ecology at the Port of Civitavecchia;
- the Laboratory of Ecology and Experimental Ichthyogenic Centre at the Saline di Tarquinia (salt flats).

Career opportunities

Employment and professional opportunities can be found in public and private sectors as well as in freelance work. In particular, central government research institutes and relevant ministries regarding the environment, agriculture, forestry and fishing, local, city, provincial and regional administrations, and organizations such as the water authorities, park authorities, ASSIND, ARPA, ISPRA, etc. represent natural employment possibilities for a professional with the skills of a graduate in Environmental Sciences.

In addition, our graduates typically possess requirements which are needed by professionals operating in private institutes, industries and companies in the environmental field (water treatment, control of drinking water, waste disposal management, etc.).

As a graduate in Environmental Sciences, you could also consider employment in activities regarding advisory services for small business in many sectors, which include safety at work, EU safety legislation, quality control, industrial hygiene, waste disposal, and the assessment of environmental impact.

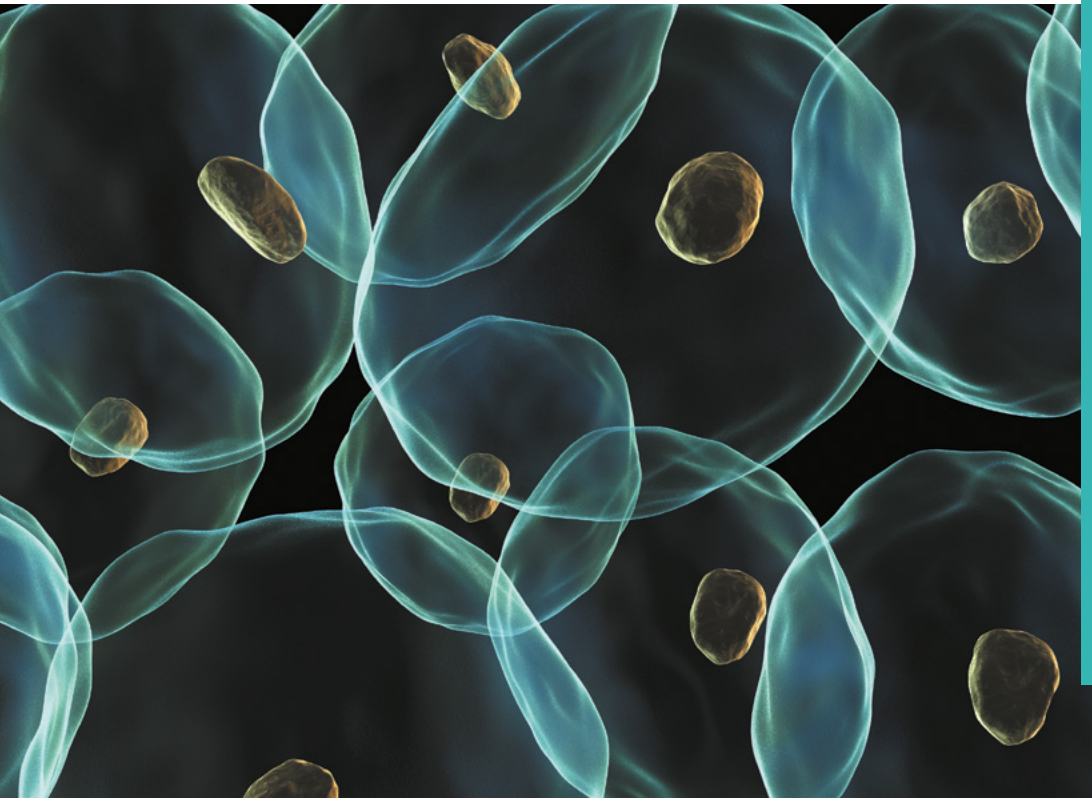
The course prepares students for the profession of:

- Environmental Control Technician
- Specialized guide
- Environmental restoration technician
- Coastal Management Technician

MASTER'S DEGREE COURSE (LM-6)

CELLULAR AND MOLECULAR BIOLOGY

Degrees in Biology (ex DM 270/04)



Course Director

Prof. Carla Caruso
caruso@unitus.it

Academic Office

didat.deb@unitus.it
Tel. 0761 357117 - 113 - 109

Teaching Aims

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 the training. Indeed, the second level master's degree course provides specialization in the knowledge and skills acquired during the first level bachelor's degree and will thus prepare students for the more challenging and complex levels of employment and professionalism required today.

A further objective of the second-level master's degree course is to provide students with the opportunity to acquire specific cultural tools and analytical methodologies in the process of carrying out experimental theses. All the scientific laboratories used for the training activities provide the necessary skills, given that the research carried out is coherent with the course profile. Furthermore, the programme includes laboratory work devoted to experimental methodologies and workshop activities at other universities, research centers, public or private research laboratories and companies.

Career opportunities

A Master's Degree in Cellular and Molecular Biology can offer you a wide range of employment opportunities, for example:

- basic and applied research in the biological, biomedical, molecular biological, physiological, genetic or nutritionist fields in public or private research institutes or universities;
- access to a variety of doctorate and research courses and various schools of specialization;
- freelance and entrepreneurial activities in the ambit of life sciences as a biologist or in related fields;
- professional activities and projects in areas related to biological disciplines, in institutes and in sectors of

- industry, public health and public administration;
- managerial activities for clinical, biological and microbiological, testing laboratories, biological and quality control of products of biological origin and the subsequent supply chains
 - activities connected with promotion and scientific innovation and technology in various fields of biology, as well as management and design of new technologies.

In particular, according to the ISTAT classification of professions, Biology graduates can be employed in the following category: Biologists and related professions. The Biologist is a recognized profession. In fact, a master's graduate is qualified to enrol in the National Order of Biologists (Senior Biologist) subsequent to a State examination.

MASTER'S DEGREE COURSE (LM-6)

BIOLOGY AND MARINE ECOLOGY

(Ministerial Decree ex DM 270/04)



Course Director

Prof. Carlo Belfiore
c.belfiore@unitus.it

Location

Civitavecchia Campus
didat.deb@unitus.it
Tel. 0766 28931 - 21600

Teaching Aims

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 course is structured to train the environmental biologist, a professional figure who is able to individualize, classify and resolve environmental problems with a systemic and interdisciplinary approach, favouring the competences of management and conservation of biological resources of both coastal and marine environments.

The course is aimed at the acquisition of:

- in depth knowledge of biological and ecological disciplines, both basic and applied to marine environment;
- elements of applied management disciplines used to adequately contextualize biological resources in environmental systems;
- methods of analysis carried out with the use of laboratory activities in various disciplines and specifically in the field of sustainable management of fishing/marine resources;
- professional skills acquired through the experience of external activities, such as internships, and in-house experiences, such as preparation of an experimental thesis

At the end of the training course the following skills will have been acquired:

- detection, classification, analysis, restoration and conservation of biotic components of marine ecosystems, with the ability to place them correctly in a general environmental framework;
- monitoring and management of environmental systems and processes with specific reference to biological resources;
- design and management of evaluation, rehabilitation, restoration and conservation operations of the coastal and marine environment with particular reference to

biotic components.

- the course includes several exercises at sea, thanks to the availability of a small fleet used by the Department for teaching and research activities, which are also carried out at:
- the Laboratory of Experimental Oceanology and Marine Ecology at the Port of Civitavecchia
- the Laboratory of Ecology and the Experimental Ichthyogenic Center at the Saline di Tarquinia (Tarquinia salt flats).

Career opportunities

Employment prospects for master's graduates in Marine Biology and Ecology could orient towards freelance work in professional and managerial tasks within a public framework (ministries, regions, provinces, municipalities, health care, national and regional agencies for environmental protection, parks, reserves, etc.) and within a private framework (companies, institutes, etc.) in the following areas:

- analysis, certification and management of the environment according to regulations controlling the quality of sea water;
- analysis, conservation, management and monitoring of the resources of the marine and coastal environmental systems, geared to maintaining biodiversity in its different components and at various functional levels
- professional and project-related work in fields related to biological and ecological disciplines in the sectors of public administration, industry and health care, with particular reference to the knowledge of marine and coastal environments and relative animal and plant organisms, micro-organisms, biodiversity and environment;
- management of parks and nature reserves;
- evaluation of environmental quality, and the production of tools and services aimed at its improvement;
- implementation and evaluation of studies regarding environmental impact and strategic assessment;
- analysis and control of pollution;
- planning and monitoring of action to control the environment;

- planning, promotion and coordination of initiatives oriented towards sustainable development.

Other employment opportunities regard the sector of scientific research at universities and other public and private research institutions.

The doctoral programme gives what is known as a third level of training, which is crucial to undertake a career in the field of research.

Il corso prepara alla seguenti professioni:

- ecologists and marine biologists;
- researchers and graduates in oceanology and biological sciences;
- zoologists and botanists;
- managers of coastal areas.

POSTGRADUATE STUDY

DOCTORATES AND MASTER'S DEGREES

Coordinator

Prof. Daniele Canestrelli
Tel. 0761 357758

PhD in Ecology and Sustainable Management of Environmental Resources

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.

First level Master's in Management of Complex Organizations

The guiding principle of this master's course is the need to train personnel with an ever increasing professional profile and with high level organizational and training skills, geared towards developing team work, which is effective in creating a stimulating work environment capable of enhancing the skills of each individual.

The master's course is aimed at first-level graduates in scientific and humanities disciplines who, in carrying out their profession, wish to become more aware of the organizational, management, ethical and training issues related to their work.

Coordinator

Prof. Nicolò Merendino
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Administration Office

La Crisalide
assistenza@lacrivalide.it
Tel. 0761 304205

First level Master's Degree in Management, Enhancement and Enogastronomic Promotion

Interdepartmental Master's Course

DIBAF - DEIM - DAFNE

DISUCOM - DEB

Administrative headquarter

DIBAF

Director

Diana De Santis

Contacts

desdiana@unitus.it

Tel. 0761 357371

The goal of the master's programme is:

- to train highly specialized professionals, rarely found among individuals working in the field at the moment, with multidisciplinary skills, able to recognise, understand, evaluate and interpret, in a precise and informed way, the quality of products and gastronomic activities, and able to promote an effective strategy for their evaluation and promotion;
- to provide the tools to acquire communication techniques and to produce an awareness of the quality of food, essential to successfully deal with evaluation, enhancement and management.

The master's course will suit you therefore, but not exclusively, if you are interested in working, or already work in food, restaurant and tourism sectors, but also if you wish to carry out activities in the above-mentioned sectors, or if you wish to embark on professional activities in the field of communication and journalism specializing in tourism or enogastronomy.

The master's programme is divided into three macro areas, structured into modules, for a total of 60 credits:

■ Macro area 1

Communication and advertising: 7 CFU

■ Macro area 2

Economy, management and quality: 7 CFU

■ Macro area 3

Agro-food area: 10 CFU

■ Practical exercises and working groups: 10 CFU

■ Visits to companies, design and analysis of case studies, communication and marketing: 16 CFU.

TEACHING

Thanks to the freedom of choice within the curriculum, awarding equal credits for similar types of study and their complementary activities, you can tailor a study programme according to your own interests and/or need to bridge any cultural or professional gaps.

The master's degree programme offers students the

possibility to study single modules, which could be useful if you want to improve specific skills. This could also interest you for professional or cultural reasons, or if you do not have the necessary entry qualifications for the course (three-year degree or equivalent), or if you do not wish to attend the entire course. Furthermore, it could give you the opportunity to strengthen technical or marketing skills or to better manage your own business.

It will be possible to enrol on single or multi-modular courses, without having to carry out or complete the entire master's course.

If you wish to enrol in the programme with a view to being awarded a Master of Science degree title, you will require a bachelor's degree in any discipline, either humanistic or scientific to enrol.

Sufficient course attendance, course exam results and a final examination will allow the academic qualification of MSc in Management, Enhancement and Enogastronomic Promotion to be conferred.

The Department of Biological and Ecological Sciences unites a group of teachers whose background and scientific interests are deeply rooted in the areas of environmental and biological sciences, doing research in the ambit of international study with evident competitive characteristics. The wide range of disciplinary and technical skills of the members of the department has given rise, since its opening, to fruitful interdisciplinary collaboration. The objectives of the Department research can be traced back to two main areas which are highly interconnected.

- Research in environmental and ecological fields. This involves the study and characterization, both physicochemical and biological, of the marine and coastal environment, of the internal waters and land environments, including extreme environments. The specific research projects cover a vast area from geology, to green chemistry and fundamental and applied ecology, including the study, monitoring and management of environmental resources.
- Research in the field of biological sciences. This involves the analysis of genetic and molecular mechanisms of fundamental biological processes such as: evolution, adaptation and biodiversity, the origins of life, cell differentiation, nano-biotechnology, epigenetic inheritance, immunity, the biochemistry of nutrients, and the mechanisms of carcinogenesis and of neurodegenerative diseases, mutagenesis and toxicology, the defense mechanisms of plants, omics sciences (proteomics, metabolomics and lipidomics), extraction, synthesis and biological characterization of natural substances.

USEFUL INFORMATION

On the DEB website **www.deb.unitus.it**, you can find information regarding:

INFORMATION:

- Courses for the academic year 2016/2017
- Calendar and Lessons Timetable
- Internships or apprenticeships, choice of activities
- Guidance, orientation and mentoring
- Individual study plan ⁽¹⁾
- Support courses ⁽²⁾

1. In order to take exams starting from the early session in January / February 2017, students must validate online, through the student portal, their individual study plan in the periods set by the Department (01-12-2016/10-01-2017;03-04-2017/29-04-2017; 01-06-2017/10-06-2017)
2. As of October 3, 2016 Mathematics, Biology, Chemistry and Physics courses will be held (required for freshmen who have not passed the entry test (recupero debito formativo-OFA); these support courses are aimed at raising the initial preparation of students to a required standard.

ORIENTATION

An online orientation service has been activated, offering students support and mentoring:

✉ **tutordeb.vt@unitus.it** (Viterbo Campus)

✉ **tutordeb.civ@unitus.it** (Civitavecchia Campus)

STUDENT SERVICES

In addition to normal office hours for students (every day, from Monday to Friday, from 10.00 to 12.00), at the Department Academic Office, from 1 May 2016 until 31 December 2016 (suspended in August), there are afternoon office hours, every Tuesday from 14.30 to 16.00. This is an initiative of the administrative staff in the hope of meeting the needs of students, which are not only of a strictly educational nature. Students can contact the staff for information of a more general nature: for example about public transport services, housing, services provided by the University (legal defence, psychological services) and more.

Department of Biological and Ecological Sciences Off-campus Laboratories



Il **Centro Ittiogenico Sperimentale Marino** (CISMAR) (The Experimental Ichthyogenic Centre) was founded in 2008 and has its headquarters at the Animal Repopulation Reserve, “Le Saline di Tarquinia.” The Centre consists of 4 laboratories dedicated to Molecular Genetics, Monitoring of Marine and Coastal Environments, Monitoring of Benthos, Parasitology and Fish Pathology, and a Hatchery.

CISMAR was created with the aim of activating restocking projects of commercial and non commercial species of the coastal strip, for the benefit of professional, sports and recreation fishing activities, in addition to work aimed at the recovery of marine biodiversity also within protected marine areas. The creation of the Centre also pursues an objective of social and cultural nature aimed at fostering an awareness of the management of the coastline and proposes innovative strategies for management of “fishing” resources. Furthermore, CISMAR aims at being a reference point for both authorities and private parties in the sector for testing of breeding techniques for fish not already included among those currently farmed, and for the refinement of techniques already used.



The **Laboratory of Experimental Oceanology and Marine Ecology** was founded in 2001 and since 2005, it has its headquarters within the Port of Civitavecchia; the structure consists of 200 square meters of offices and laboratories (electronics, ecology, oceanographic instrumentation and an optical laboratory) and a library boasting around 1000 reference titles, and 180 square meters of warehouse for oceanographic equipment. The equipment includes scientific research instruments worth about 3 million euros, including a steel boat measuring 8.5 meters and two dinghies.



You can learn more about the courses offered by the Department on:

f FB Unitus DEB Viterbo

f FB Unitus DEB Civitavecchia

OFFICES AND STUDENT SERVICES

Academic Office

Viterbo

didat.deb@unitus.it

Director

Maria Concetta Valeri

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mvaleri@unitus.it

Administrators

Irene Mantovani

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Marco Urbani

tel. 0761 357113

murbani@unitus.it

Civitavecchia Campus

Administrator

Giovanni Moretti

Tel. 0766 28931 – gmoretti@unitus.it

Computer Labs

Largo dell'Università snc, Viterbo

Opening Hours 9.00 / 16:00

Administrator

Dott. Giuseppe De Santis

Tel. 0761 357085

gdesantis@unitus.it

Library

Via S. Camillo De Lellis

Opening Hours Mon-Thu 9.00 / 19:00

Fri 9.00 / 17.00

Director

Dr. Maria Grazia Franceschini

Tel. 0761 357513

franceschini@unitus.it

Work Placement Administrator

Administrator

Prof. Raffaele Saladino

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Erasmus

Administrator

Prof. Massimiliano Fenice

Tel. 0761 357318

fenice@unitus.it

ACADEMIC CALENDAR

1st Semester lessons begin	October 3, 2016
Lessons suspended for exams	From 14 to 18 November 2016
1st Semester lessons end	January 18, 2017
Beginning of Christmas holidays	December 23, 2016
End of Christmas holidays	January 5, 2017
1st Semester exams begin	January 21, 2017
1st Semester exams end	February 28, 2017
2nd Semester lessons begin	March 1, 2017
Lessons suspended for exams	From 24 to 28 April 2017
2nd Semester lessons end	June 9, 2017
Beginning of Easter holidays	April 14, 2017
Easter holidays	April 18, 2017
Summer session exams begin	June 12, 2017
Summer session exams end	July 28, 2017
Autumn session exams begin	September 5, 2017
Autumn session exams end	September 29, 2017
Beginning of 2nd session exams, autumn session	November 18, 2017
End of 2nd session exams, autumn session	November 18, 2017
Extraordinary exam sessions begin last academic year 2015/2016	January 22, 2018
Extraordinary exam sessions end last academic year 2015/2016	February 28, 2018
Graduation sessions	17 - 18 - 19 July 2017 16 - 17 - 18 October 2017 18 - 19 - 20 December 2017 21 - 22 - 23 February 2018

DEPARTMENT STRUCTURE

Head of Department

Prof. Giuseppe Nascetti

Deputy Director

Prof. Anna Rita Bizzarri

Student Office

Dott. Andrea Arcangeli

Academic Office

Sig.na Maria Concetta Valeri

Full Professors

Anna Rita Bizzarri, Salvatore Cannistraro, Giuseppe Nascetti, Silvano Onofri, Giorgio Prantera, Raffaele Saladino, Francesca Velotti

Associate Professors

Carlo Belfiore, Carla Caruso, Daniele Canestrelli, Massimiliano Fenice, Giampiero Gualandi, Marco Marcelli, Nicolò Merendino, Pasquale Mosesso, Vincenzo Piscopo, Luca Proietti De Santis, Sara Rinalducci, Nicla Romano, Antonino Scarelli, Laura Selbmann, Laura Zucconi

Research Fellows

Paola Arduino, Paolo Barghini, Laura Bertini, Roberta Cimmaruta, Ines Delfino, Roberta Meschini, Marcella Pasqualetti, Anna Maria Timperio, Daniela Willems

Temporary Research Fellows

Dario Angeletti, Marcello Ceci, Fulvio Cerfolli, Elisabetta Mattei

Student Representatives

Giovani Giada, Francesca Perrotta

Representatives of doctoral students and Research fellows

Michela Paoletti

Technical Representative

Sabrina Tempesta

Administrative Representative

Paola Marziali

WWW.DEB.UNITUS.IT

