



The Rector

- In consideration** of Law n°210 July 3, 1998, with special reference to the art. 4;
- In consideration** of D.M. (Ministerial Decree) No. 224 of April 30, 1999 concerning the regulations on Doctorate Research Programs;
- In consideration** of the Statute of the University *Mediterranea* of Reggio Calabria, issued with the Decree n°xxx of June 29, 1995;
- In consideration** of the Regulation *Mediterranean* University of Reggio Calabria in the field of PhD issued with the Decree n° 301 of July 28, 1999;
- In consideration** the deliberation of July 19, and June 10, 2011 by the Council of Doctorate School;
- In consideration** of Law n°240 of December 30, 2010, with special reference to the art.19;
- In consideration** of Legislative Decree n°196/03 - Code on personal data protection;
- In consideration** of Legislative Decree n°445/2000 - Consolidated laws and regulations on administrative documentation;
- In consideration** of the determination of the Senato Accademico and of the Board, respectively, of 3 and 4 May 2011, by which authorized 2 scholarships of University funds to non-EU citizens for the 27th Cicle of Doctorate Programs

decrees

Article 1 – Establishment

1. Public competitive examinations area announced for admission to the three-year Research Doctorate Programme of the PhD Research Graduate School of *Mediterranean* University of Reggio Calabria for the 27th Cicle. The competitive examinations will award a total of 2 scholarships set out in Annex A;
2. The PhD courses last from 1 .11.2011 to 31.10.2014. The beginning of the activities of the first year of attendance is conditioned by the date of completion of the admission tests, so the Colleges of Teachers will activate intensive activities to allow students admitted to the recovery of the activities of the previous period.

Article 2 - Features of the Courses

For each course in Annex A of the partner universities are listed, the duration, the scientific areas, the type of qualification required for participation in the competitive examination, and any additional requirements necessary for admission.

Article 3 - Requirements for admission

Citizens outside the States of the European Communities can participate, if in possession of a foreign qualification equivalent to an Italian degree as required for each course in Annex A. The mode of recognition of equivalence, participation, and competition procedures are described in the following Article. 5.

Article 4 - General rules

1. Applicants must meet the requirements specified in art. 3 at the date of submission of the application form.
2. The application form, indicating the home address for the purposes of the competition, addressed to the Rector of the University *Mediterranea* of Reggio Calabria, prepared in accordance with the attached diagram in *B*) to this announcement must be made to the Protocol - Cittadella Universitaria LottoD – Salita Melissari – Feo di Vito – Reggio Calabria (open 9:00 to 12:00 except on Saturdays) **no later than 29th December 2011, by 12:00 a.m.**. Alternatively, the application form can be sent to the above address by registered mail with return receipt but it must be received by the deadline indicated above

In the application, to participate in the competition the candidate must state on their own responsibility:

- a. their personal particulars details, date and place of birth, residence and full address (specifying the postal code and phone number) and, possibly, an address or an indication of their Italian Embassy in Italy, chosen as his home;
- b. the exact name of the course and curriculum for which they intend to participate;
- c. their citizenship;
- d. their his residence;
- e. a commitment to attend full-time PhD course in accordance with the regulations laid down by the Graduate School
- f. a commitment to communicate any changes in residence or address;
- g. the qualification possessed (see art. 3 this notice), and the date and the University where it was obtained;
- h. the curriculum of the university course.

The following required documents have to enclosed to the application:

- photocopy of the document certifying the qualification possessed enabling access to the course which shows the marks obtained and the maximum score achievable;
- at least n ° 2 (two) letters of recommendation signed by professors or permanent staff belonging to the University from which he was awarded a degree, or equivalent qualification, enabling access to the course. One letter must be signed by the tutor (or speaker) of the thesis. The Public Service Research and Higher Education will contact the teachers who have signed letters of reference to receive written confirmation of what they said;
- any other documents considered useful for the purposes of the competition act to certify the candidate's scientific curriculum;
- abstract of the thesis [max. length of two pages (4000 characters)];
- photocopy of passport or identity document bearing the signature of the candidate.

The university administration has no responsibility in case of loss of documents due to errors in the residence and address made by the aspirant, change of address, or for any postal regarding or telegraph services are attributable to administration itself.

Applications for competitive examinations which are not signed or otherwise incomplete will not be taken into account.

Article 5 - Evaluation of candidates

The evaluation of candidates is entrusted to the Board of Examiners chosen for each course for admission to the same EU citizens, in accordance with Art. 7, paragraph 3 of the Rules of the University's PhD. It is as made through the evaluation of qualifications. The commission will evaluate the applications using the following of scores: *frequency of certified academic course (max. 30*

points), *previous scientific experience* (max. 20 points), *scientific publications* (max. 20 points), *other degrees* (max. 10 points), taking care to avoid situations of a equal classification. Before the exam the College of Teachers sets the equivalence of the qualifications entrance examination, sent by candidates to the necessary qualifications, as in annex A, to the admission to the competitive examination.

The Rector, by decree, approves the different past-list for each course, and grants the available scholarships (only two) on the basis of a single ranking list including only the first placed in the different list, which have been drawn by using as the only merit criteria, the grade obtained for the title certified to attend the course (e.g. degree mark), compared to the maximum grade achievable and to age of the candidate. In case of further ex-aequo, the scholarship will be awarded to candidates who have submitted, the largest number of letters of introduction or recommendation in the manner described.

These ranking lists, showing names and the final score obtained by each candidate, will be made public through official University notice board (Cittadella Universitaria LottoD – Salita Melissari – Feo di Vito – Reggio Calabria) and are also available online at http://www.unirc.it/ricerca/dottorati_esami.php.

Article 6 - Admission to courses

Applicants are admitted to the course after verification of compliance with the admission requirements of Article. 3 of this notice. Candidates admitted to the course have to express their written acceptance within 15 days from the date of publication of the result of the competitive examination on the Internet. In case of renunciation, the candidate will be replaced by his next one in order of ranking. In the case of renunciation expressed in written form after the three months following the start of the course, the University can not draw from the general merit list.

7 - Registration Documentation

Candidates admitted to the course must submit by the deadline of 15 days from the day following its publication on the internet of the competition, the following documents:

- a. application **form**;
- b. photocopy of identity card duly signed;
- c. passport photos n°2 (identical);
- d. certificate of academic degree or frequency of the certified course, in the original form.

Those who don't regularize their registration within the time specified in the preceding section will be considered renouncers and vacancies will be awarded to the candidate following in the ranking list.

8 - Data Protection

The *Mediterranea* University of Reggio Calabria in the accomplishment of Decree n° 196/2003 "Code concerning the protection of personal data", agrees to use the personal data supplied by the candidate to carry out the procedures and for institutional purposes. Participation in the competition implies the principles set out in Law concerning tacit consent to the publication of the personal data of candidates on the website of the University *Mediterranea* of Reggio Calabria.

9 – Scholarships

The annual amount of the scholarship is € **13.638,47**, including social welfare charges, is awarded to successful candidates for the duration of the course.

The scholarships are incompatible, under penalty of the loss of the scholarship by the grantee in the following cases of incompatibility:

- a. employees, including temporary, ones except for the possibility that the employee is placed by the employer on leave without pay;
- b. activities of industry and commerce;
- c. freelance business and external consultancy carried out with systematic and regular features;
- d. other activity that requires the opening of a VAT;
- e. contracts with the *Mediterranean* University of Reggio Calabria in any way.

For periods of training abroad, if approved, the grant is increased by 50% by the University.

The scholarships cannot be combined with other grants, awarded on the same basis of amount equal to or greater.

Holders of scholarships under this contract awarded by the University *Mediterranea* of Reggio Calabria are exempted from payment of tuition and fees for access and attendance.

Those who have been awarded a scholarship for a PhD course for one year can not apply for the scholarship a second time.

Article 10 – Obligations

Students are required to attend all the activities in the doctoral course in the manner established by the Academic Board, to present oral or written reports and follow what legally required by the Graduate School.

At the end of each year, and during the year, if established by the Graduate School, students are required to submit a detailed report on research carried out to the College of Teachers, who will keep it and, after evaluating the research activity of the student, who will establish the admission or exclusion in the following year.

11 – Graduation

The title of PhD is awarded when students pass the final examination, which may be repeated only once. During the final examination, the PhD student defends their thesis, that is a work illustrating the research project that they carried out within the three years. This final thesis can be written in English or another language, with the approval of the Academic Board.

Reggio Calabria, 23 novembre 2011

Il Rettore
(Prof. Massimo Giovannini)

**Il Capo Servizio Ricerca Pubblica e Alta
Formazione**
Angela Crucitti

Il Coordinatore SARITT-ILO
(Dott. Domenico Cappellano)

CORSI DI DOTTORATO DI RICERCA IN:

APPLIED SYSTEMS BIOLOGY FOOD AND AGRO FORESTRY	
Duration	3 years
Degree required for admission to the course for European applicants	<p>Degree old system: Degree in Food Science and Technology and equivalent Degree in Agricultural Sciences and Technologies and equivalent Degree in Forestry and Environmental Sciences and equivalent Degree in Chemistry (all types) Degree in Engineering (technology-oriented food) Degree in Biological Sciences Degree obtained from the Faculty of Pharmacy Degree in Agriculture tropical and subtropical Degree in Environmental Sciences Degree in Business Administration (e marketing)</p> <p>Classes of degree / master of the new system: Class 6 / S (biology) Class 7 / S (agricultural biotechnology) Class 8 / S (industrial biotechnology) Class 9 / S (medical biotechnology, pharmaceutical and veterinary) Class 14 / S (pharmacy and industrial pharmacy) Class 27 / S (chemical engineering) Class 47 / S (Veterinary Medicine) Class 61 / S (materials science and engineering) Class 62 / S (chemical sciences) Class 68 / D (natural sciences) Class 69 / S (science of human nutrition) Class 74 / S (Science and Management of Rural Resources and Forestry) Class 77 / S (Agricultural Science and Technology) Class 78 / S (food science and technology) Class 79 / S (science and technology gro livestock) Class 84 / S (business economics) Class 92 / S (statistics for the experimental research) Class 101 / S (communication theory)</p>
Curricula:	<ol style="list-style-type: none"> 1. "Food Technology" [Polo innovation RegCal "Dies quality food"] 2. "Ecophysiology of plant species and soil biology" [Polo innovation RegCal "environmentally sustainable technologies"] 3. "Tropical and subtropical crops: production and defense" [Polo innovation RegCal "Dies quality food"] 4. "Sustainable management of forest and agricultural systems in the Mediterranean" [Polo innovation RegCal "environmentally sustainable technologies"]
Objectives of the curriculum	<p>"Food Technology" The objectives of the curriculum is to identify the need for technological innovation of firms in the agri-food chains related to typical of Calabria, modeling biological processes linked to the transformation, storage and quality evaluation of food.</p> <p>"Ecophysiology of plant species and soil biology"</p>

	<p>The objectives of the curriculum are to provide knowledge and models of interpretation of the complex plant-environment relationships through a multidisciplinary approach that involves the study in the disciplines of botany, biochemistry, plant physiology, microbiology and ecology. The aim is to understand the mechanisms and molecular fisiometabolici implemented by the plant during its phenological phases and their expression in the environment in order to interpret the regulatory mechanisms responsible for the production, distribution and succession of plant species</p> <p>"Sustainable management of forest and agricultural systems in the Mediterranean"</p> <p>The objectives of the curriculum are addressed in the study of management strategies for integrated systems of agricultural and forestry with a view to the rational use and protection of environmental resources and biodiversity, with particular attention to areas of high environmental sensitivity, both in terms of risk (desertification) that promote the area (Agroforestry management of protected areas).</p> <p>"Tropical and subtropical crops: production and defense"</p> <p>The curriculum focuses on the cultivation and protection of crops of tropical and sub-tropical environment in the Mediterranean, with a holistic view of the cultivation strategies and response to animal and plant pests. The academic program includes a multidisciplinary approach, considering efficient and environmentally friendly crop models.</p>
<p>Partner institutions</p>	<p>University of Salerno - Department of Chemical Engineering and Food (Food Technology curriculum);</p> <p>University of Palermo - Department of Agro-Forestry Engineering and Technology (Food Technology curriculum);</p> <p>University of Messina - Faculty of Physical and Natural Sc - Department of Botanical Sciences (curriculum Ecophysiology of plant species and soil biology);</p>
<p>Prevailing SSD</p>	<p>AGR/02 - (Agronomy and Crop Science)</p> <p>AGR/03 - (General Arboriculture and tree crops)</p> <p>AGR/05 - (Forestry and Forest Bedding)</p> <p>AGR/07 - (Agricultural Genetics)</p> <p>AGR/11 - (General and Applied Entomology)</p> <p>AGR/12 - (Plant Pathology)</p> <p>AGR/13 - (Agricultural Chemistry)</p> <p>AGR/15 - (Food Science and Technology)</p> <p>BIO/03 - (Environmental and Applied Botany)</p>

RURAL DEVELOPMENT, SCIENCE AND TECHNOLOGY OF PRODUCTION AND ZOOTECHNICAL AGROFORESTRY	
Duration	3 years
Degree required for admission to the course for European applicants	<u>Old system</u> : Law, Economics, Political Science, Engineering, Architecture, Agricultural Science and Technology, Forestry and Environmental Sciences, Animal Production, Veterinary Medicine, Biological Sciences, Natural Sciences. <u>Specialistic</u> : Law, Economics, Political Science, Engineering, Architecture, Agricultural Science and Technology, Forestry and Environmental Sciences, Animal Production, Veterinary Medicine, Biological Sciences, Natural Sciences, Economics and Social Sciences for international development cooperation.
Curricula:	1. Livestock production in the Mediterranean basin [Polo innovation RegCal "Filiera quality food"]; 2. Engineering, forestry and the environment [Polo innovation RegCal "sustainable environmental technologies"]; 3. Agricultural Economics and Policy [Polo innovation RegCal "Filiera quality food"]
Objectives of the curricula	<u>livestock production in the Mediterranean Basin</u> Train professionals with specific expertise in the field of technology and most advanced biotechnology breeding, animal welfare, the improvement of the quality and quantity of production. <u>Agroforestry and Environmental Engineering</u> Train professionals capable of performing research addressed to the technological innovation in various fields of hydraulics and operational land, construction of rural and agricultural mechanics. <u>Agricultural Economics and Policy</u> To train young people able to deepen economic and agrarian studies, analyze the problems of development and agro-forestry resources management, capacity building, independent scientific research.
Associated Universities	University of Palermo
Prevailing SSD	AGR/01 - Economics and Rural Surveying; IUS/03 – Right; AGR/08 agriculture - Agricultural Hydraulics and hydraulic forestry; AGR/09 - Agricultural Mechanics; AGR/10 - Rural buildings and land agro-forestry; AGR / 17 - General Husbandry and breeding; AGR/18 - Food and animal feed; AGR/19 - Livestock Special; AGR/20 – Zoocolture; AGR/16 - Agricultural Microbiology

ARCHITECTURE	
Duration	3 years
Degree required for admission to the Community	All Degree Candidates Old Sorting, Graduate degree course.
Curricula:	<ol style="list-style-type: none"> 1. Technology of control strategies and the design of the existing [Polo innovation RegCal "rinnovabili Energy and Energy Efficiency"]; 2. Architectural and urban design: the design of the existing and the southern city [of innovation RegCal Polo "environmentally sustainable technologies"]; 3. Mediterranean Survey and Representation of Architecture; 4. Spatial Planning [Polo innovation RegCal "sustainable environmental technologies"]; 5. Architecture of parks and gardens and land use; 6. Planning and design of the Mediterranean city
Objectives of the curricula	<p>1 - Architectural Technology: Strategies for the control and the design of the existing The doctoral program aims to provide elements of "guide to knowledge" of the environment and man-made "technological culture" to manage processes and techniques aimed at retraining and the "design of the existing", in order to train people in technical and professional degree strategies to initiate critical knowledge of construction techniques, the technological system and the quality of buildings, in relation to human contexts, environmental, production and management.</p> <p>2 - Urban and Architectural Design: The design of the existing and the southern city The goal is to train researchers specializing in the shape of urban space, through research that focus on the restoration of the landscape, the architecture of infrastructure, brownfield sites, existing building and architectural heritage in southern cities and countries of the basin the Mediterranean.</p> <p>3 - Detection and representation of Mediterranean The goal is to train researchers in the relief experts, analysis and representation of architectural, urban and environmental issues, with particular attention to those that characterize the Mediterranean habitats. This training aims at achieving a high level of specialization in science and technology with the learning of more advanced detection techniques, graphics and multimedia related to the configurative design, analysis and design.</p> <p>4 - Architecture of parks and gardens and land The aim is to promote the formation of suitable researchers both theoretically, both applied around a theme that characterizes the architecture as a matter of founding of the modern city from its inception and now has value in defining the relevant sustainability of the transformation of cities and territories worldwide.</p> <p>5 - Planning and designing the Mediterranean The course, from the scientific perspective, a foundational goal: be a place of preparation for the survey and experimental research on the meanings and perspectives of the particular settlement conditions that characterize the Mediterranean through trade with the realities of higher education.</p>

	6 – Planning The cultural training is characterized by deep integration between training programs and research related to the lines through the most innovative and involving the disciplines of design and control of the territory.
Prevailing SSD	ICAR 12 ICAR 14 ICAR 17 ICAR 15 ICAR 21
Other SSD	ICAR 18 ICAR 20 ICAR 19 ICAR 04

ENVIRONMENTAL AND CONSERVATION OF ARCHITECTURAL HERITAGE ARCHITECTURE	
Duration	3 years
Degree required for admission to the Community	All Degree Candidates Old Sorting, Graduate degree course
Curricula:	1. Methods of historical research; 2. Preservation of architectural and environmental heritage; 3. Economic evaluation of conservation projects; [Polo innovation RegCal "Cultural Heritage"]
Objectives of the curriculum:: 1. Methods of historical research	provides the means for understanding the historical-critical tools for the investigation and the analytical examination of historical architectures (forms, programs, languages, materials, use, relationships, evolution)
2.Conservation of the architectural and environmental	Using the experimental research of the SEA Laboratory (Materials, Analysis, Restoration), provides tools to determine the most appropriate methodologies for restoration for the conservation of historical heritage
3. Valutazione economic conservation projects	Apply management techniques and evaluation of conservation and enhancement of the architectural and environmental, in order to predict and evaluate the effects of forecasts in strategic planning
Prevailing SSD	ICAR 18., ICAR 19, ICAR 22
Other SSD	ING-IND-22, ICAR 21

INFORMATION ENGINEERING	
Duration	3 years
Degree required for admission to the Community	Old Order or Degree or Master's Degree in Engineering, Physics, Mathematics, Computer Science
Curricula	1. Electronic Engineering; 2. Telecommunications Engineering, Computer Science and Biomedical Engineering;

	3. Electrical Engineering and Automation [Polo innovation RegCal "ICT"]
Course Objectives	<p>The doctoral students will be given training and deepening acquisition of theoretical content and applications typical of the different curricula:</p> <ul style="list-style-type: none"> - Electronic Engineering: electronic systems, microelectronics, optoelectronics, applied electromagnetics, antennas, electromagnetic fields, photonics, sensors, electronic measuring instruments; - Telecommunications Engineering, Computer Science and Biomedical Engineering: theoretical computer science, information systems, artificial intelligence, neural networks, biomedical informatics and bioinformatics, diagnostics electromagnetic antennas, numerical models for electromagnetism, electronic, telecommunications networks and systems, signal processing ; ICT technologies for Intelligent Systems Trasportation. - Electrical Engineering and Automation: industrial automation, multivariable robust control, knowledge-based control systems, control systems, aerospace, robotics, plasmas and controlled thermonuclear fusion, analytical and numerical methods for the study of fields and circuits; application of artificial intelligence techniques, development and qualification of systems and measuring devices, measurements of electromagnetic compatibility, measurement and data acquisition systems, electrical and electronic measures, Information technology for Logistics. <p>The ultimate goal is the formation of a researcher with an excellent knowledge base in the SSD of interest for the PhD and with high expertise in some research areas, such as to allow the continuation of the academic career that any entry, with good prospects, the world of work.</p> <p>In addition, the mature student's ability to:</p> <ul style="list-style-type: none"> i) to plan and carry out tests in the laboratory; ii) to analyze the needs for technological innovation of enterprises and public and private; iii) plan, schedule and monitor research projects and technology transfer, in both the public and private sectors; iv) identify funding opportunities for research projects, in both the public and private, national and international.
Prevailing SSD	<p>ING-INF/01 ELETTRONICA ING-INF/02 CAMPI ELETTROMAGNETICI ING-INF/03 TELECOMUNICAZIONI ING-INF/04 AUTOMATICA ING-INF/05 SISTEMI PER LE ELABORAZIONI DELLE INFORMAZIONI ING-INF/06 BIOINGEGNERIA ELETTRONICA E INFORMATICA ING-INF/07 MISURE ELETTRICHE ED ELETTRONICHE ING-IND/31 ELETTROTECNICA ING-IND/33 SISTEMI ELETTRICI PER L'ENERGIA</p>
other SSD	<p>ICAR/05 MAT/05</p>

MARITIME ENGINEERING, MATERIALS AND STRUCTURES	
Duration	3 years
Degree required for admission to the course for European applicants	Old system: Engineering, Architecture, Physics, Mathematics, Oceanography Specialist: Engineering, Architecture, Physics, Mathematics, Oceanography Magistrale: Engineering, Architecture, Physics, Mathematics, Oceanography
Curricula:	1. Maritime Engineering 2. Engineering Materials and Structures All curricula matter for the Innovation Campus RegCal "environmentally sustainable technologies"
Objectives of the Course	Advanced Research Doctorate in the field of mechanics of solids and fluids, structures (civil, ports, defense works, roads, etc.), Using analytical approaches and numerical and physical models
Partner institutions	University of Catania University of Naples Parthenope
Prevailing SSD	ICAR/02 SSD - Hydraulic and Maritime Constructions, and Idr. ICAR/08 - Structural Mechanics
Other SSD	ICAR/01 – Hydraulics ICAR/09 - Structural Engineering ICAR/04 - Roads, Railroads Airports

**Al Magnifico Rettore
dell'Università degli Studi Mediterranea
Cittadella Universitaria
Salita Melissari Feo Di Vito
89124 Reggio Calabria - Italia**

The / undersigned / apply to be admitted to the competition for the admission of No. 2 (two) students are not citizens of EU countries to the 27th cycle of doctoral courses Research

PhD course in:

(specify the course selected from among those listed in Annex A)

Curriculum:

(specify, if applicable, the curriculum selected from among those listed in Annex A)

To this end, hereby declares on own responsibility:

SURNAME:

NAME:

N. SERIAL ⁽¹⁾

TAX CODE:

DATE OF BIRTH:

PLACE OF BIRTH **City**

Province

STATE

DEGREE

obtained on

University

¹⁾ for graduates at the University Mediterranea of Reggio Calabria

RESIDENCE

Str./Sq.		n.	Code Post.
City:	Prov.		
Phone:	Fax:		
E-mail:			

ADDRESS FOR CORRESPONDENCE::

Str./Sq.		n.	Code Post.
City:	Prov.		
Phone:	Fax:		

ANY ADDRESS IN ITALIAN ADDRESS FOR CORRESPONDENCE:

Str./Sq.		n.	CAP.
City:	Prov.		
Phone:	Fax:		

Declare:

- a commitment to attend full-time PhD course in accordance with the regulations laid down by the Graduate School
- I will communicate any changes in residence or address.

Asked attaches the following documents

- photocopy of the document certifying the qualification possessed enabling access to the course which shows the marks obtained and the maximum score achievable;
- at least n ° 2 (two) letters of recommendation signed by professors or permanent staff belonging to the University from which he was awarded a degree, or equivalent qualification, enabling access to the course. One letter is signed by the tutor (or speaker) of the thesis;
- any other documents considered useful for the purposes of the competition act to certify the candidate's scientific curriculum;
- abstract of the thesis [max. length of two pages (4000 characters)];
- photocopy of passport or identity document bearing the signature of the candidate.