



UNIVERSITÀ DEGLI STUDI DI PALERMO

Università degli Studi di Palermo			
Titolo	III	Classe	6 Fascicolo ===
N. 63158		del 09/08/2012	
UOR UOB 18	CC		RPA A. Leggio

Public Selection Announcement for PhD courses – XXVI cycle DECREE N. 3294 - 2012

**PUBLIC SELECTION FOR THE ADMISSION TO THE
RESEARCH DOCTORATE COURSES AT THE UNIVERSITY OF PALERMO
Academic Year 2012/2013 (XXVI Cycle)**

Omissis

Art. 1

Institution

The University of Palermo announces a public selection for foreign students, by qualifications and examination, for admission to the following PhD Research Courses of the 26th cycle, A.A 2012/2013.

The three-year courses and the related places available for foreign students are listed below. For each doctoral program is indicated the location of the course, the number of places with/without grant and also the financial Institution.

Code: 1 MATHEMATICAL AND COMPUTER SCIENCES

Doctorate Seat: Dept. of Mathematic and computer sciences

Coordinator: Prof. Luisa Di Piazza

Duration: 3 years

Total positions: 4 (with grant:1 – without grant: 3)

Code: 2 PHYSICAL SCIENCES

Doctorate Seat: Dept. of Physic

Coordinator: Prof. Antonio Cupane

Duration: 3 years

Total positions: 6 (with grant: 2 – with grant for foreign applicants only : 1
without grant: 2 - without grant for foreign applicants only : 1)



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Code: 3 CHEMICAL SCIENCES

Doctorate Seat: Dept. of Chemistry “Stanislao Cannizzaro”

Coordinator: Prof. Michelangelo Gruttadauria

Duration: 3 years

Total positions: 6 (with grant: 3 - without grant: 2 - without grant for foreign applicants only: 1)

Code: 4 EARTH SCIENCES

Doctorate Seat: Dept. of Earth and Sea Sciences (DISTEM)

Coordinator: Prof. Francesco Parello

Duration: 3 years

Total positions: 3 (with grant: 1 - without grant: 2)

Courses of study:

a) Geochemistry

positions : 2 (with grant :1 – without grant :1)

Ref. Contact: Prof. Francesco Parello

b) Geology

positions : 1 (without grant)

Ref Contact: Prof. Enrico Di Stefano

Code: 5 ENVIRONMENTAL BIOLOGY AND BIODIVERSITY

Doctorate Seat: Dept. of Environmental Biology and Biodiversity

Coordinator: Prof. Marco Arculeo

Duration: 3 years

Total positions: 5 (with grant: 2 - without grant: 2 - without grant for foreign applicants only: 1)

Courses of study:

a) Animal Biology

positions : 4 (with grant: 2 - without grant: 1 - without grant for foreign applicants only: 1)

Ref. Contact: Prof. Marco Arculeo

b) Vegetal Biodiversity and landscape ecology

position : 1 (without grant)

Ref. Contact : Prof.ssa Anna Scialabba



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Code: 6 MOLECULAR MEDICINE

Doctorate Seat: Dept. of Biopathology and Medical - Forensic Biotechnologies (DIBIMET)

Coordinator: Prof. Calogero Caruso

Duration: 3 years

Total positions: 8 (with grant: 2 - with grant financed by MIUR “fondo giovani 2011” : 1 - with grant for foreign applicants only: 1 – without grant: 4)

Courses of study:

a) Human alimentation and nutrition

positions: 2 (with grant for foreign applicants only : 1 - without grant: 1)

Ref. Contact : Prof. Caterina Mammina

b) Biopathology

positions: 4 (with grant: 2 - without grant: 2)

Ref. Contact: Prof.ssa. Giuseppina Colonna Romano

c) Physiopathology of Metabolism: lipids and lipoproteins

positions: 2 (with grant financed by MIUR “fondo giovani 2011” : 1 - without grant: 1)

Ref. Contact: Prof. Maurizio Averna

Code: 7 EXPERIMENTAL BIOTECHNOLOGY AND MEDICAL APPLIED SCIENCES

Doctorate Seat: Biomedical dept. of Internal and Specialist Medicine (Di.Bi.M.I.S)

Coordinator: Prof. Salvatore Feo

Duration: 3 years

Total positions: 6 (with grant: 3 – without grant: 3)

Courses of study:

a) Genomics and Proteomics on Oncology and Endocrine-Metabolic

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Salvatore Feo

b) Genetics and Physiopathology of Cardiovascular Damage in Endocrine–Metabolic Diseases

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact: Prof. Giuseppe Licata

c) Experimental and Clinical Pneumology

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact: Prof. Maria Rosaria Bonsignore

Code: 8 PHYSIOPATHOLOGY AND IMAGE DIAGNOSTICS IN INTERNAL MEDICINE

Doctorate Seat: Dept. Experimental Internal Medicine (DIMIS)



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Coordinator: Prof. Giuseppe Montalto

Duration: 3 years

Total positions: 4 (with grant: 2 - without grant: 2)

Courses of study:

a) Physiopathology and Image Diagnostics in Cardiovascular and Renal Ambit and in

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Massimo Midiri

b) Physiopathology of liver diseases

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact: Prof. Giuseppe Montalto

Code: 9 CARDIOVASCULAR MEDICINE AND SURGERY-UROLOGICAL BIOTECHNOLOGY

Doctorate Seat: Maternal, Infantil and Andrology and Urology University Department

Coordinator: Prof. Carlo Pavone

Duration: 3 years

Total positions: 6 (with grant :1 – with grant financed by MIUR “fondo giovani 2011”: 1
without grant: 4)

Courses of Study:

a) Urological Sciences

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Carlo Pavone

b) Cardiovascular Sciences: from molecular biology to clinic

positions: 1 (without grant)

Ref. Contact : Prof. Salvatore Novo

c) Biotechnology and Surgery Regenerative Medicine in the insufficient organ

positions: 3 (with grant: 1 - without grant: 2)

Ref. Contact : Prof. Attilio Ignazio Lo Monte

Code: 10 CLINICAL AND MOLECULAR ONCOLOGY

Doctorate Seat: Dept. Of Surgical and Oncological Disciplines

Coordinator: Prof. Eugenio Fiorentino

Duration: 3 years

Total positions: 6 (with grant :3 –without grant: 3)

Courses of Study:

a) Applied Clinical and Experimental Oncology

positions: 4 (with grant :2 – without grant: 2)

Ref. Contact : Prof. Antonio Russo



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b) Stomatology and cervico-facial sciences

positions: 2 (with grant :1 – without grant:1)

Ref. Contact: Prof.ssa Giuseppina Campisi

Code: 11 AGRO-FOREST SCIENCES

Doctorate Seat: Dept. DEMETRA

Coordinator: Prof. Stefano Colazza

Duration: 3 years

Total positions: 11 (with grant: 3 – with grant for foreign applicants only : 1 – with grant financed by MIUR “fondo giovani 2011”:1 - without grant: 6)

Courses of Study:

a) Agriculture and Economy Policy

positions: 2 (without grant)

Ref. Contact: Prof. Maria Crescimanno

b) Eco-Compatible Phytosanitary Management in Agro-Forest and Urban Environments

positions: 5 (with grant : 2 - with grant for foreign applicants only: 1 - without grant: 2)

Ref. Contact: Prof. Stefano Colazza

c) Agricultural and forest arborous system

positions: 4 (with grant:1 – with grant financed by MIUR “fondo giovani 2011”:1 – without grant: 2)

Ref. Contact: Prof. Tiziano Caruso

Code: 12 AGRO-FOREST SYSTEM

Doctorate Seat: Dept. of Agro-Forest System (SagA)

Coordinator: Prof. Giuseppe Giordano

Duration: 3 years

Total positions: 8 (with grant : 4 - without grant: 3 - without grant for foreign applicants only: 1)

Courses of study:

a) Mediterranean Agro-Eco System

positions: 4 (with grant : 2 - without grant: 1 - without grant for foreign applicants only : 1)

Ref. Contact: Prof. Adriana Bonanno

b) Environmental Hydromomics

positions: 2 (with grant : 1 - without grant: 1)

Ref. Contact Prof. Giuseppe Giordano

c) Technologies for Environmental Sustainability and Reclamation

positions: 2 (with grant : 1 - without grant: 1)

Ref. Contact: Prof. Sebastiano Calvo



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Code: 13 ANALYSIS, PLANNING AND REPRESENTATION OF LOCAL, URBAN, HISTORICAL-ARCHITECTURAL AND ARTISTIC RESOURCES

Doctorate Seat: Dept. of Architecture

Coordinator: Prof. Francesco Lo Piccolo

Duration: 3 years

Total positions: 12 (with grant : 4 – with grant for foreign applicants only: 2 – without grant: 6)

Courses of Study:

a) Urban and Regional Planning

positions: 6 (with grant : 2 - with grant for foreign applicants only: 1 – without grant: 3)

Ref. Contact: Prof. Francesco Lo Piccolo

b) Art, Architecture and City: History, Representation and Preservation

positions: 6 (with grant : 2 - with grant for foreign applicants only: 1 – without grant: 3)

Ref. Contact: Prof.ssa Maria Concetta Di Natale

Code: 14 CIVIL AND ENVIRONMENTAL ENGINEERING

Doctorate Seat: Civil, Environmental, Aerospace and Materials Engineering

Coordinator: Prof. Orazio Giuffrè

Duration: 3 years

Total positions: 10 (with grant : 6 – without grant: 4)

Courses of Study:

a) Hydraulic and Environmental Engineering

positions: 4 (with grant : 2 – without grant: 2)

Ref. Contact: Prof.ssa Marcella Cannarozzo

b) Road network Engineering Infrastructures and Geomatic

positions: 2 (with grant : 1 – without grant: 1)

Ref. Contact: Prof. Orazio Giuffrè

c) Engineering Structures

positions: 2 (with grant : 1 – without grant: 1)

Ref. Contact: Prof. Giuseppe Giambanco

d) Materials

positions: 2 (with grant)

Ref. Contact: Prof. Francesco Paolo La Mantia



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Code: 15 ENERGY

Doctorate Seat: Dept. of Energy

Coordinator: Prof. Aldo Orioli

Duration: 3 years

Total positions: 6 (with grant : 2 – without grant: 4)

Courses of Study:

a) Energetics

positions: 2 (with grant : 1 – without grant: 1)

Ref. Contact: Prof. Giuseppe Vella

b) Environmental Technical Physic

positions: 2 (without grant: 2)

Ref. Contact: Prof. Aldo Orioli

c) Transportation Technique and Economics

positions: 2 (with grant : 1 – without grant: 1)

Ref. Contact: Prof. Luigi La Franca

Code: 16 ELECTRIC, ELECTRONIC AND COMMUNICATIONS ENGINEERING, MATHEMATICS AND AUTOMATION SCIENCE

Doctorate Seat: Dept. of Electrical, Electronic and Telecommunications Engineering, Chemical Technologies, Automation and Mathematical Models (DIETCAM)

Ref. Contact: Prof. Francesco Alonge

Duration: 3 years

Total positions: 8 (with grant : 4 – without grant: 4)

Courses of Study:

a) Electric Engineering

positions: 4 (with grant : 2 – without grant: 2)

Ref. Contact: Prof. Mariano Giuseppe Ippolito

b) Electronic and Communication Engineering

positions: 2 (with grant : 1 – without grant: 1)

Ref. Contact: Prof. Alessandro Busacca

c) Mathematics and Automation Science for Scientific and Technological Innovation

positions: 2 (with grant : 1 – without grant for foreign applicants only: 1)

Ref. Contact: Prof. Maria Stella Mongiovì



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Code : 17 CHEMICAL, MANAGEMENT, INFORMATION AND MECHANICAL ENGINEERING

Doctorate Seat: Dept. Of Chemical, Management, Informatic and Mechanical Engineering
Coordinator: Prof. Salvatore Gaglio

Duration: 3 years

Total positions: 15 (with grant: 6 – with grant financed by MIUR “fondo giovani 2011”:1 - without grant: 8)

Courses of Study:

a) Chemical ad Materials Engineering

positions: 4 (with grant: 1 - without grant: 3)

Ref. Contact: Prof. Alessandro Galia

b) Production Engineering

positions: 5 (with grant: 3 - without grant: 2)

Ref. Contact : Prof. Livan Fratini

c) Information Engineering

positions: 4 (with grant: 1 - with grant financed by MIUR “fondo giovani 2011”:1 - without grant: 2)

Ref. Contact: Prof. Salvatore Gaglio

d) Mechanical Design

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Gabriele Virzi' Mariotti

Code: 18 GREEK – LATIN PHILOLOGY AND CIVILISATION, HISTORY OF THE ANCIENT MEDITERRANEAN

Doctorate Seat: Dept. of Cultural, Historical-Archaeological, Socio-anthropological and geographic heritage

Coordinator: Prof. Valeria Andò

Duration: 3 years

Total positions: 4 (with grant: 2 - without grant: 1 – without grant for foreign students only: 1)

Code: 19 PHILOLOGICAL AND LINGUISTIC LITERARY STUDIES

Doctorate Seat: Dept. of Philological and Linguistic Studies

Coordinator: Prof. Laura Auteri

Duration: 3 years

Total positions: 4 (with grant: 2 - without grant: 2)



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Courses of Study:

a) Modern Literatures and Philological-linguistic Studies

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Laura Auteri

b) Italian Studies, literary text: forms and history

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact: Prof. Michelina Sacco

Code: 20 PHILOSOPHICAL SCIENCES

Doctorate Seat: Dept. FIERI-AGLAIA “Filosofia, Filologia, Arti, Storia, Critica dei Saperi”

Coordinator: Prof. Franco Lo Piparo

Duration: 3 years

Total n. of places: 12 (with grant: 6 – with grant for foreign applicants only: 1 - without grant: 5)

Courses of Study:

a) Philosophy

positions: 4 (with grant: 2 - without grant: 2)

Ref. Contact : Prof. Leonardo Samonà

b) Aesthetics and theory of Arts

positions: 4 (with grant: 2 - without grant: 2)

Ref. Contact: Prof. Luigi Russo

c) Philosophy of Language, mind and educational processes

positions: 4 (with grant: 2 - without grant for foreign applicants only: 1 – without grant: 2)

Ref. Contact : Prof. Francesca Piazza

Code: 21 PSYCHOLOGICAL AND SOCIAL SCIENCES

Doctorate Seat: Dept. of Psychology

Coordinator: Prof.ssa Alida Lo Coco

Duration: 3 years

Total positions: 11 (with grant: 3 – with grant financed by MIUR “fondo giovani 2011”: 1 - with grant for foreign applicants only: 2 - without grant: 4 – without grant for foreign applicants only: 1)

Courses of Study:

a) Psychology

positions: 7 (with grant: 2 – with grant financed by MIUR “fondo giovani 2011”: 1 - with grant for foreign applicants only: 1- without grant: 2 – without grant for foreign applicants only: 1)

Ref. Contact : Prof. Maria di Blasi

b) Public Relations

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact: Prof.ssa Alida Lo Coco



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c) Sociology

positions: 2 (with grant: 1 - without grant: 1)
Ref. Contact: Prof. Fabio Lo Verde

Code: 22 HISTORY OF CULTURE AND TECHNIQUE

Doctorate Seat: DISMOT “Dipartimento Di Studi Giuridici Economici, biomedici, Psicosociopedagogici delle Scienze Motorie Sportive”
Coordinator: Prof. Pietro Di Giovanni
Duration: 3 years
Total positions: 3 (with grant: 1 - without grant: 2)

Code: 23 COMPARATIVE LAW

Doctorate Seat: Dept. of Private General Law
Coordinator: Prof. Guido Smorto
Duration: 3 years
Total positions: 3 (with grant:1 – without grant:1 – without grant for foreign applicants only: 1)

Code: 24 PRIVATE LAW

Doctorate Seat: Dept. of Private General Law – section of the in the International Doctoral School “Tullio Ascarelli” Roma
Coordinator: Prof. Rosalba Alessi
Duration: 3 years
Total positions: 4 (with grant:2 - without grant: 1 – without grant for foreign applicants only: 1)

Code: 25 ROMAN LAW, PUBLIC NATIONAL AND SUPRANATIONAL LAW

Doctorate Seat: IURA Rights and Defenses in National and Supranational Law
Coordinator: Prof. Antonello Tancredi
Duration: 3 years
Total positions: 10 (with grant: 5 - without grant: 5)

Courses of Study:

a) Roman Law Subjects (Roman Law and Antiquity Law)

positions: 6 (with grant: 3 - without grant: 3)
Ref. Contact : Prof. Giuseppe Falcone

b) European Integration Process and International Law

positions: 4 (with grant: 2 - without grant: 2)
Ref. Contact : Prof. Laura Lorello



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Code: 26 ECONOMY AND TERRITORIAL DEVELOPMENT

Doctorate Seat: Dept. of Economic, Business and Financial Studies (SEAF)

Coordinator: Prof. Fabio Mazzola

Duration: 3 years

Total positions: 5 (with grant: 2 - without grant: 3)

Courses of Study:

a) Economic Analyses, Technological Innovation and Management of Regional Development Policies

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Fabio Mazzola

b) Touristic Sciences: methodologies, models and policies

Ref. Contact : Prof. Anna Maria Parroco

positions: 2 (with grant: 1 - without grant: 1)

c) Trend, Regional and Total Quality Analysis

positions: 1 (without grant)

Ref. Contact : Prof. Rosa Giaimo

Code: 27 STATISTICS, APPLIED STATISTICS AND QUANTITATIVE FINANCE

Doctorate Seat: Dept. of Statistical and mathematical Science "S. Vianelli"

Coordinator: Prof. Marcello Chiodi

Duration: 3 years

Total positions: 3 (with grant: 1 - without grant: 2)

Code: 28 ENVIRONMENTAL AGRONOMY

Doctorate Seat: Dept. of Agro-environmental Systems

Coordinator: Prof. Carmelo Dazzi

Duration: 3 years

Total positions: 4 (with grant for foreign applicants only: 1 - with grant financed by MIUR "fondo giovani 2011":1 - without grant: 2)

Code: 29 HUMAN RIGHTS: EVOLUTION, DEFENCE AND LIMITATIONS

Doctorate Seat: Department of Studies in Law, Politics and Society

Coordinator: Prof. Aldo Schiavello

Duration: 3 years

Total positions: 6 (with grant: 3 - without grant:3)



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Code: 30 APPLIED PHYSICS

Doctorate Seat: Dept. of Physic

Coordinator: Prof. Bernardo Spagnolo

Duration: 3 years

Total positions: 3 (with grant for foreign applicants only: 1 - without grant: 2)

Courses of Study:

a) Applied Physic (International Curriculum)

Ref. Contact : Prof. Bernardo Spagnolo

positions: 2 (with grant for foreign applicants only: 1 - without grant: 1)

b) History and Didactic of Mathematics, Physics and Chemistry

Ref. Contact : Prof. Aldo Brigaglia

positions: 1 (without grant)

Code: 31 MEDITERRANEAN FRUIT-GROWING

Doctorate Seat: DEMETRA

Coordinator: Prof. Maria Antonietta Germanà

Duration: 3 years

Total positions: 5 (with grant: 1 – with grant financed by MIUR “fondo giovani 2011”: 1 - with grant for foreign applicants only: 1 - without grant: 2)

Code: 32 IMMUNOPHARMACOLOGY

Doctorate Seat : Dept. of Biopathology and Medical and Forensic Biotechnologies (DIBIMEF)

Coordinator: Prof. Francesco Dieli

Duration: 3 years

Total positions: 5 (with grant: 3 - without grant: 2)

Code: 33 MODELS FOR PLANNING AND CONTROL FOR PUBLIC ADMINISTRATION POLICIES AND STRATEGIES

Doctorate Seat: DEMS – Department of European Studies and International Integration

Coordinator: Prof. Carmine Bianchi

Duration: 3 years

Total positions: 4 (with grant: 1 - with grant for foreign applicants only: 1 - without grant: 2)



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Code: 34 CULTURAL EUROPEAN STUDIES

Doctorate Seat: Dept. of Culture, Arts, History and Communication

Coordinator: Prof. Michele Cometa

Duration: 3 years

Total positions: 6 (with grant: 3 - without grant: 3)

New PhD COURSES and INTERNATIONAL Courses of Study

Code: 35 ARCHITECTURE

Doctorate Seat: Dept. of Architecture

Coordinator: Prof. Marcello Panzarella

Duration: 3 years

Total positions: 5 (with grant: 1 – with grant for foreign applicants only: 1 - without grant: 2 – without grant for foreign applicants only: 1)

Courses of Study:

a) Architectural Planning

positions: 1 without grant

Ref.Contact : Prof. Cesare Ajroldi

b) Revival of Ancient Contexts and Innovative Processes in Architecture

positions: 4 (with grant:1 - with grant for foreign applicants only: 1 - without grant for foreign applicants only: 1 – without grant: 1)

Ref. Contact : Prof. Giuseppe De Giovanni

Code: 36 CELLULAR BIOLOGY AND TECHNOLOGICAL SCIENCES OF THE DRUG

Doctorate Seat: Dept. of Molecular and Biomolecular Sciences and Technologies (STEMBIO)

Coordinator: Prof. Girolamo Cirrincione

Duration: 3 years

Total positions: 10 (with grant:4 - with grant financed by MIUR "Fondo Giovani 2011" : 1 - without grant for foreign applicants only: 1 – without grant: 4)

Courses of study:

a) Cellular Biology

positions: 4 (with grant: 1 - with grant financed by MIUR "Fondo Giovani 2011" : 1 - without grant: 2)

Ref.Contact : Prof. Gabriella Sconzo



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b) Pharmaceutical Sciences

positions: 4 (with grant: 2 - without grant for foreign applicants only: 1 – without grant: 1)

Ref. Contact: Prof. Girolamo Cirrincione

c) Technology of biologically active substances

positions: 2 (with grant: 1 – without grant: 1)

Ref. Contact: Prof. Gaetano Giammona

Code: 37 BIOMEDICINE AND NEUROSCIENCE

Doctorate Seat: Dept. of experimental Biomedicine and Neuroscience (BioNec)

Coordinator: Prof. Giovanni Zummo

Duration: 3 years

Positions: 18 (with grant: 8 - with grant financed by the University of Torino : 1* - without grant for foreign applicants only: 2 – without grant: 7)

Courses of study:

a) Experimental and Molecular Medicine

positions: 4 (with grant:2 - without grant for foreign applicants only: 1 – without grant: 1)

Ref.Contact: Prof. Francesco Cappello

b) Experimental Oncology

positions: 2 (with grant: 1 - without grant: 1)

Ref. Contact : Prof. Renza Vento

c) Neurosensorial Physiopathology

positions: 4 (with grant: 2 - without grant for foreign applicants only: 1 – without grant: 1)

Ref. Contact: Prof. Giuseppe Ferraro

d) Neurosciences and behavioural disorders

positions: 8 (with grant: 3 - with grant financed by the –university of Torino : 1* - without grant: 4)

Ref. contact: Prof. Carla Cannizzaro

* Positions with grant marked with an asterisk will be activated if the agreement is signed by Financing Agency

Additional grants may be financed by the University of Palermo or through agreements with other Institutions after the publication of this announcement and before the expiry of its deadline.

Any other grant that may become available as part of research projects funded on announcements for National Operational Programmes or Regional Operational Programmes or other Community



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programs, national and regional and / or international projects, may be used in place of those financed by the University and / or, in proportion to finance those without grant.

In any case, the total number of places without grant may not exceed the number of places with grant. Places with grant marked with an asterisk as the corresponding places without grant, will be activated if the agreement is signed by Financing Agency, before the conclusion of the competition proceedings.

All grants funded by external funding agencies, will be paid to assignees to the successful conclusion of the Convention, therefore, the payment of the grant will take place after the income from the University of this amounts.

The minimum number of admissions for each doctoral studies course cannot be less than three, therefore:

- In case of competition with less than three participation requests, the competition proceedings will not be enabled;
- If at the time of the written test, if applicable, or in the case of competition just with interview, there will be less than three candidates, the examination board will stop further competition proceedings and it will give notice to the candidates;
- There will not be the conduct of the oral tests if less than three candidates have passed the written tests;
- Will be considered not valid the competition results if at least three candidates will not be usefully placed on the list.

Any changes or additions to this notice will be published, however, in the website:

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

Examination methods, information about locations and time of the tests, for each PhD program, will be published on October 26, 2012.

This call will be considered, under all respects, as an official convocation of candidates. For this reason, they will not receive a notice of date and venue of the exam and any other written communication.



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Art. 2

Admission requirements

Any person of any age or citizenship who possesses one of the following qualifications, may apply to participate in the competitive exam:

- Italian higher degree (Ministerial Decree n. 509/1999)
- Specialist degree (Ministerial Decree n. 270/2004)
- Bachelor's degree (laurea Vecchio ordinamento)
- Every equivalent foreign qualifications, lasting at least four years, previously approved by the competent academic authorities also in the framework of inter-university cooperation and mobility schemes.

May apply for participation in the competition for admission to PhD who is also in possession of a title of PhD Doctorate. In this case, the candidate may be permitted to attend the doctorate course, after passing the exams, a place without grant.

All applicants are eligible for selection, subject to verification of the self-declared statements within the meaning of the d. lgs. No 445/2000.

The University will provide, any time, by order of the Rector of the exclusion of candidates during the selection procedure or a PhD, subject to criminal liability arising from false statements.

Admission to the selection for candidates who are scheduled to obtain the degree

Those students who are scheduled to obtain the degree required in the first paragraph, at the least the 31/10/2012, are admitted *sub condicione*, as stated in art .1 of this notice. In this case access to the exam will be considered “conditional” and the candidate will be required to submit to the Commission, by the date of the first test, a self certification declaration (art. 46 del D.P.R. 28.12.2000 n. 445), which cannot be changed after the submission.

Candidates will be excluded from this public selection in case of incorrect or false declarations and also if, after verification of the veracity of his/her declaration, the qualifications does not comply with the above mentioned conditions.

Qualifications held abroad

Foreign citizens holding a qualification, lasting at least four years, that has not yet been declared equivalent to the required Italian degree, will ask an equivalence exclusively for the purpose of



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admission to the exam for the elected Doctorate course. In this case, the candidate shall also attach with his application the academic degree certificate, with the list of all exams and their translation, legalization and "declaration of equivalent value" by the competent Italian Diplomatic-Consular Representation of the country where the qualification was awarded, under the regulations governing the admission of foreign students to degree courses in Italian universities.

The equivalence recognition of the foreign qualifications, exclusively for the purpose of access to doctoral course, will be expressed by the Council of teachers for the doctorate selected.

Applicants with foreign qualification will be admitted "with reserve" and they will be excluded from the doctoral program if, after verification, qualification does not comply with the above mentioned

Fee to participate to the competition procedure

To participate in the competition procedure, according to the resolution of the Board of Directors n. 62 of 21/09/2010, candidates have to pay a fee of 50,00 euro, by the deadline accorded for applications submission. Candidates who will not pay until this term, **will be excluded from the procedures.**

Payment can be made by bank transfer to c/c n:

IT46X0200804663000300004577- Agenzia 100 – Via Roma, 185 C.A.P. 90133

- Banco di Sicilia UniCredit Group -

CODICE BIC SWIFT: UNICRITM1Z58

To: Università degli Studi di Palermo – Institution code: 9050300

It is necessary providing all the necessary data:

the exact title of the PhD course, cycle XXVI, Academic year 2012/2013, the competition code number given to the PhD course in this notice and also the letter indicated for the course of study, in the case of more than one (ex : code 4 Earth Sciences, course of study : A). The receipt of payment must be attached to the application. The amount of the payment shall in no case be refunded.

Foreign candidates are exempted from the payment of participation fee for the competitive selection for research Doctorate course (C.d.A decision n.2609, 02/08/2012).



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Art. 3

Application for Admission

Applications should be made and duly signed in a double copy by the candidate, following the template that can be downloaded from the website:

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

The application for admission should be addressed to: Al Magnifico Rettore dell'Università degli Studi di Palermo – Piazza Marina, n. 61 - 90133 Palermo - c/o Ufficio del Protocollo.

On the envelope, containing the application form, should be written: "Domanda di partecipazione ai Corsi di Dottorato di Ricerca – A.A. 2012/2013".

The application form, completed following the mentioned criteria, should be sent by certified mail with advice of delivery, or hand-delivered to the Ufficio Protocollo of this Institution. **Deadline for applications is the thirty-day from the first day following the date of publication of this notice in the Official Gazette of the Italian Republic .**

This term is compulsory.

For the application sent by certified mail with advice of delivery, will be considered the date stamp of the post office.

The application to participate in the competition for admission to PhD (Attachment A), duly signed, is considered as self-certification according to art. 2 Law 4.1.1968 n.15, art.3 Law n. 127/and D.P.R. n. 445/2000.

To the application form should be attached the following documents must be to the:

- 1) Copy of the bank transfer as referred in the art.2 paragraph 4 of this notice
- 2) Europass curriculum vitae, duly signed (Attachment B)
- 3) Undersigned list of personal qualifications (Attachment C)
- 4) Research plan duly signed (short exposure of the research - max five folders)
- 5) Photocopy of valid identification document.

NB. The documents referred to "Attachment C" shall in no case be submitted along with the application form.



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If applicant has an handicap, according to the Law 104/92 and Law 17/99, please specify in the application form the needed aid with respect to his/her handicap, as well as the possible need of additional time to complete examination tests.

All documents written in foreign languages must be translated and legalized by the competent Italian diplomatic or consular representations based abroad.

If in the application are mentioned more than one doctorate request, will be considered valid only the first.

All candidates are admitted with reserve to the competition procedure.

The Administration may order at any time, for justified reasons, the exclusion for lack of requirements. In this case, the communication would be sent to the email address indicated in the application.

The University Administration is not responsible, in any case, about dispersion of communications, errors in the personal and contact data, as permanent address, telephone number or e-mail address, due by the applicant. Moreover late notification in case of changes and any hitch postal or telegraph services are not attributable as administration fault.

Art. 4

Evaluation Committee

The Evaluation Committee for the admission exam to the course will be nominated by Rector's decree, upon the advice of the Academic Board.

Each committee consists of three members, including at least two Italian and foreign professors of first and second level and among them at least two from other university, chosen from tenured professors and university researchers who are experts in the scientific areas of the PhD Research Program. The Committee may also include no more than two experts from public and private national and international corporations or research institutes.

The designation of this experts is compulsory in case of agreements or arrangements necessary for the management of the course with small and medium-sized enterprises, craft enterprises, other enterprises upon art. 2195 of the Civil Code and art. 17 of Law 05/10/1991 n. 317.

In the case of PhD programs established through an international university cooperation, the modalities of the course and the final graduation and Commission are defined in accordance with the same agreements.



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The composition of each committee will be officially communicated, after the expiry of the notice, at this web address:

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

Art. 5

Admission Tests

Every PhD defines its admission procedures and the selection will be based upon:

- A) qualifications and interview
- B) qualifications, written test and interview

Each candidate can participate for one or more courses of study of the same or different PhD programs, submitting a separate application for each request.

The examinations schedule, however, will guarantee to each candidate the opportunity to take part only in selections from more courses of study of the same PhD.

The exams are designed to ascertain the candidate's aptitude for scientific research.

The admission tests consist of:

- written test (if any) between 4 - 6 hours (the duration of a minimum of 4 hours to a maximum of 6 hours will be determined by the Evaluation Committee);
- Interview in which the candidate will present his research plan, already submitted with the application, regarding the topics of the Phd course;

The candidate must also demonstrate a good knowledge of one foreign language.

To be examined, candidates must show a valid ID.

Each Evaluation Committee of candidates, according to the type of examination, has available:

A) 60 points for qualifications and interview;

Interview – for a maximum of 40/60 points

- The test is passed with a minimum vote of 28/40

Qualifications – for a maximum of 20/100 points, counted as follow:

- degree score – for a maximum of 10 points (1 point for each score up to 101/110 and 1 point for the merit score)



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- other titles – for a maximum of 10 points (other degrees, certificates of post-graduate courses, schools, periods spent at Italian and foreign scientific institutions, other useful certificates to certify the activities of study and research).

At the first meeting the Evaluation Committee will establish criteria and rules to value qualifications and procedures for the test, drafting a special document attached to the minutes.

B) 100 points for qualifications, written test and interview;

Written test – for a maximum of 40/100 points.

- The test is passed with a minimum vote of 28/40

Interview – for a maximum of 40/100 points

- The test is passed with a minimum vote of 28/40

Qualifications – for a maximum of 20/100 points, counted as follow:

- degree score – for a maximum of 10 points (1 point for each score up to 101/110 and 1 point for the merit score)
- other titles – for a maximum of 10 points (other degrees, certificates of post-graduate courses, schools, periods spent at Italian and foreign scientific institutions, other useful certificates to certify the activities of study and research).

Evaluation of qualifications is made after the written test, before any process of correction of it and also before interview, drafting a special document attached to the minutes.

The list of candidates admitted to the interview will be published by the Commission, with the relevant indication of the marks achieved in the written test and the qualification scores, on the notice board (Register) of the examination structure. The publication date will be communicated during the written test.

In all other cases, the qualification scores shall be posted on the notice board (Register) of the examination structure, the same day scheduled for the interview.

Tests will take place between November 5th and November 23th , 2012

Examination methods, information about locations and time of the tests, for each PhD program, will be published on October 26, 2012 on the website of the University of Palermo, as well as any change in the examination dates :

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>



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It will be considered, under all respects, as an official convocation of candidates. For this reason, they will not receive any other written communication.

In any case interviews must take place by November 23, 2012.

Art. 6

Admission tests for foreign candidates

All foreign candidates may participate to the competitive selection.

Foreign candidates are exempted from the payment of participation fee for the competitive selection for research Doctorate course (C.d.A decision n.2609, 02/08/2012).

Foreign candidates, participating to the selection for reserved or supernumerary positions, should make an explicit request in their application form if:

- 1) they apply for **positions reserved for foreign students, with or without grant**, for which a specific list will be drawn;
- 2) they ask for **supernumerary positions**, 50% of the positions contained in the notice, and they will be eligible as mentioned in the Art.13, paragraph p) of the Research Doctorate rules and regulations, if:
 - they have been awarded by a grant financed by the Ministry of Foreign Affairs of the Italian Republic, or by their mother Country's government;
 - they come from Countries with which a specific intergovernmental agreement or an agreement with the University of Palermo exists, in any case without charges for the University of Palermo.

The selection of foreign candidates applying for Doctorates according with the points 1) and 2) above, will be carried out through the evaluation of qualifications, the presentation of a research plan and an interview.

The date of the tests will be published on October 26, 2012 on the website of the University of Palermo, as well as any change:

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

Foreign students residing abroad may also be interviewed by telematic means, upon request and prior approval by the Commission and the Academic Board, which will provide for these obligations.



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The Academic Committee has available 60 points:

1) **Interview** - for a maximum of 40/100 points

The test is passed with a minimum vote of 28/40

2) **Qualifications – for a maximum of 20/100 points, counted as follow:**

- degree score – for a maximum of 10 points (1 point for each score up to 101/110 and 1 point for the merit score)
- other titles – for a maximum of 10 points (other degrees, certificates of post-graduate courses, schools, periods spent at Italian and foreign scientific institutions, other useful certificates to certify the activities of study and research).

Foreign candidates, participating to the selection for a place with grant not reserved for foreign applicants, will be subject to the valuation indicated in art. 5.

Foreign candidates must also certify (self-certification in compliance with D.P.R. 445/2000) the following requirements:

- a) they possess civil and political rights in their own Country;
- b) they possess, excluding Italian citizenship, all other requirements provided for Italian citizens.

Art. 7

International Doctorates

The following International Research Doctorate Courses have been approved by the Academic Senate on 01/08/2012:

1. Environmental agronomy – cun area 7
2. Human rights: evolution, defence and limitations – cun area 12
3. Applied Physics – cun area 2
Couse of study : a) Applied Physics
4. Mediterranean Fruit-growing – cun area 7
5. Immune-pharmacology – cun area 6
6. Models for planning and control for public administration policies and strategies – cun area 14



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7. European Cultural studies – cun area 10

8. Biomedicine and Neuroscience – cun area 5

Courses of study: a) Experimental and Molecular Medicine

b) Experimental Oncology

c) Neurosensorial Physiopathology

d) Neurosciences and behavioral disorders

9. Cellular Biology and Technological Sciences of the Drug – cun area*3

Course of study: b) Pharmaceutical Sciences

10. Architecture – cun area*8

Course of study : b) Revival of Ancient Contexts and Innovative Processes in Architecture

Examinations regarding the PhD Courses mentioned above are ruled by the same procedures of this Public Selection Announcement.

Academic Committee could establish to perform the examination in english.

Every Doctorate inscribed to an International PhD Course, with or without grant, is forced to spend a period of study, at least three months, in one of the foreign Agencies or Institutions participating, as referred in art.13 comma 3.

Art. 8

Admission to the PhD Courses

The rank list of candidates will be approved by Rector's Decree, once confirmed the regularity of the proceedings.

Successful candidates will be admitted to each PhD Research Program, according to their order on the rank list, until all available places have been filled.

If two or more candidates have the same score, the successful candidate would be the younger.

The rank lists will be exclusively published on the official website of the University of Palermo:

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

This call is equivalent to an official notification for all successful candidates and it will be published not before the 12/12/2012.



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Candidates will not receive personal communications.

Will not be all allowed appeals against the rank lists more than sixty days from the Rector's Decree approving the Public Selection Act.

In the case of failure or delay in acceptance of successful candidates before the beginning of the course, to the next candidate on the rank list will be offered the place.

Who has already obtained the title of PhD, can be allowed to attend, once passed the Admission Tests, an other Doctoral course, without grant.

In case of useful placement in more rankings, the candidate must choose only a single Doctoral Course.

In case of admission both PhD courses and two-years postgraduate or training courses, for twelve months at the most, it is permitted the suspension of the PhD course and the simultaneous suspension of the grant.

Any other grant that may become available as part of research projects funded on announcements for National Operational Programmes or Regional Operational Programmes or other Community programs, national and regional and / or international projects, may be used in place of those financed by the University and / or, in proportion to finance those without grant.

The places with grant reserved to foreign applicants, not requested by eligible foreign students, may be used for other doctoral candidates duly positioned on the list.

Art. 9

Supernumerary Admission

Foreign candidates who have successfully passed the exams, if not among successful candidates, are admitted to the PhD course, without grant and in supernumerary position, as referred in Art.6 point 2.

Holders of research grant as defined in Law n.449 27/12/1997, if among successful candidates, may apply to be enrolled in a PhD course, renouncing to the research grant, or may apply to be admitted as supernumerary, no more than one and following the rank list, without renouncing to the research grant, upon payment of the fees for admission and attendance of PhD courses.

The option is irrevocable.

Candidates must specifically declare it in the application form if, at the deadline for PhD enrollment, they are considered holders of research grant valid from the 1st January 2012.



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Art . 10

Public Employees

Public employees, if among successful candidates, will be admitted to the PhD course upon payment of the fees for admission and attendance (*Law 476/1984 as amended by art.52, paragraph 57 of Law n. 448, 28/12/2001*).

In case of admission to a PhD course without a grant or in case of renounce of this, the employee on leave preserve his salary, social security and pension from the public Institution in which he works, "consistently with the administration needs" (*Law n. 240, 30/12/2010 art. 19 point 3*) paragraph a).

Are not entitled to special leave with or without payment, public employees who have already received the title of Research Doctor, or public employees who have been enrolled in the doctoral program for at least one academic year, benefiting from such leave (*Law n. 240, 30/12/2010 art. 19 point 3*) paragraph b).

Art.11

Enrolment Procedure

Candidates admitted through the rank lists must submit their enrolment form with all required documents, to the University administration, **within a deadline of 10 days, from the day following the publication of the rank lists**, as described in the art. 7 of this notice. The application form (fac-simile) can be downloaded from :

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

If a candidate does not enrolls by this deadline, s/he tacitly withdraws from the PhD program and loses the right to enroll. This decision is definitive.

After this deadline, the free places will be offered to the next candidates on the rank list.

Art. 12

Fees for admission and attendance of PhD courses

Enrolment in Doctorate Course is subordinate to the **annual payment** listed below, in compliance with the Administrative Committee's resolution n. 62 21/09/2010 and the Regulations on Doctoral Research of the University of Palermo.



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a) For applicant with grant:

Administrative fees	€	250,00
Regional Tax	€	85,00

Doctoral holders of grant financed by university are previously exempt from fees for admission and attendance of PhD courses.

b) For applicant without grant:

Administrative fees, admission and course attendance	€	500,00
that have a gross income superior of € 20.000 per year	€	1.000,00
Regional Tax	€	85,00

Doctorals without grant will be exempt to pay administrative, admission and course attendance fees if they are eligible or holders of a grant financed by ERSU.

Moreover, are exempt from the payment of admission and course attendance fees: holders of “prestiti d’onore” and also disabled with verified infirmity superior to 66%.

Art. 13

Grants

Grants are assigned following the rank list drawn up by the Evaluation Committee.

If two or more candidates have the same score, the successful candidate would be the younger.

The remaining places without grant will be offered following the candidates on the rank lists and to the amount of places available.

Under no circumstances, as a result of refuse or exclusions made during the course, it will be no possible the transfer to another student of the remaining grant.

The amounts of the administrative fees for admission, course attendance and administrative rights are subject to variations from year to year by decision of the Academic Organs.

Anyone who has already held a grant for a doctorate course, even for one year or a fraction of it, may not request a second grant. In this case it is possible to participate as paying student.

The gross annual value of the grant is € 13.638,47, subject to social security charges and national insurance and contributions (INPS a gestione separata).



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The duration of the grant is awarded for the entire duration of the course.

The grant will be paid in deferred and posticipated monthly payments.

The amount of the grant will be increased by 50% in proportion and in relation to periods of training abroad; this increase will be supplied only for periods of training abroad not higher than already provided in the proposed activation course. In any case, this increase can not be supplied for a period of months higher than half of the total duration of the doctorate.

Doctoral students who go abroad without grant will benefit from a contribution that will be established by the Rector, according to the budget and through a special announcement.

In case of admission both PhD courses and two-years postgraduate or training courses, for twelve months at the most, it is permitted the suspension of the PhD course and the simultaneous suspension of the grant. Regarding the grants financed for the course attendance, are applied regulations tax under Art.4 Law N.476 13/8/1984 and art. 6 Section 6 of Law 398/89.

For the entire duration of the course, to the students, on penalty of the course attendance, are not allowed to cumulate or replace their grant with others for any purpose, except those awarded by national or foreign institutions to integrate periods of study abroad, training and period or research (as referred in Art. 6 of Law N. 398 30/11/1989).

Art. 14

Attendance and obligations

Doctorate students are obliged to attend course and to carry out ongoing study and research activities in accordance with the terms provided for in the University Regulations for Research Doctorates.

During the three years of Doctorate Course, **every Doctoral student with grant** must spend a period of training abroad, **at least of three months**.

Every Doctorate inscribed to an International PhD Course, with or without grant, is forced to spend a period of study, **at least three months**, in one of the foreign Agencies or Institutions participating.

At the end of each year students must submit a report to the Academic Board regarding the progress of their research.



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At the end of each year the Council of the Teachers, with its resolutions, will evaluate the research done by Doctorate students and certified the attendance, will propose the admission or exclusion to the next year.

It is not possible the exclusion from the course in cases of maternity or severe and documented illness.

In case of suspension, longer more than thirty days, the grant can not be paid and the period of suspension is not subject to refund.

In case of exclusion or refuse to the course, during the year, it will be necessary to proceed to the refund of grant already paid.

In accordance with art. 13, paragraph m) of the Rules of PhD research at the University of Palermo, *"... to the PhD students can be assigned limited auxiliary or supplementary teaching activities, that should not in any way compromise the training and research activities. This activity must be directly related and consistent with the research activities of the doctoral students; the educational activities must be authorized in advance by the Council of the Teachers on the proposal of the Tutor. The ancillary and supplementary educational activities consist in seminars or workshop, tutoring and assistance to the drawing up the thesis. The educational cooperation is not mandatory, must not represent a cost to the budget and does not give rise to rights regarding access to the universities roles"*;

Students who perform their activities at university hospitals may be employed, upon request, in the assistance activity.

In the case of PhD programs established through an international university cooperation, the modalities of the course, the final graduation and the Commission are defined in accordance with the agreements.

Art.15

Inelegibility

PhD access is incompatible with the inscription in Italy and abroad with other PhD courses, undergraduate e postgraduate degree, bachelor, 1-2nd level master's degrees, courses equivalent to masters, TFA courses and postgraduate schools (included the medicals as referred in the ministerial circular n.2550 of 18/01/2012), excluding co-supervision theses agreements and international PhD Courses with double enrollment.



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Those who are in possession of a PhD obtained in Italy or abroad and recognized as equivalent, can be enrolled in a new PhD program but without grant.

Public and private employees, admitted in a course grant supported, must receive approval to the Council of the Teacher to perform both activities. If the employment contract is for a period longer than one year, the PhD student will not receive the grant.

Art. 16

Awarding of the Doctorate

The title of Doctorates will be awarded on passing the final exam. The final exam will be executed in front of a special committee formed in accordance with the Art. 8 of the " Regulations for Doctoral Research" of the University of Palermo, after being admitted to the final exams from the Council of the Teachers at the end of the third year and after the payment of the examinations admission fee of € 300,00 and the duties stamp in accordance with the law.

The final exam can be retaken just once.

The title is conferred by the Rector who certifies, if requested from the PhD students, the awarding of the Doctorate with papyrus.

To receive the papyrus is required a payment of € 30,00 and the duties stamp in accordance with the law.

Art. 17

Data Protection Act

The Administration of the University of Palermo, in accordance with Legislative Decree n.196/2003 and subsequent amendments, will respect the confidentiality of information supplied by the candidate. The applicants' personal data will be used only for selection procedure, institutional purposes and possible career management of the PhD Student.

Art. 18

Administrator Responsible for this Procedure

According to the Art.5 Law n. 241 07/08/1990, the administrator responsible for this procedure is Sig. Antonino Leggio, Responsible of U.O.B. 18 Dottorato di Ricerca e-mail: dottorati@unipa.it.



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For any further information candidates can contact the Area Ricerca e Sviluppo - Settore Formazione per La Ricerca – Dottorati di Ricerca, P.zza Marina n. 61 - 90133 Palermo tel. 091 238 93135 / 93123 / 93139 / 93893 / 93121 / 93345 / 93122.

Art. 19

Referral Rule

For matters not explicitly mentioned in the present competition announcement, refer to the regulations contained in Law 210/98, Ministerial Decree n. 224 30/04/1999, Law 240 /2010, Regulations of the University of Palermo, as well other rules in force.

This announcement and its attachments are available on the website of the University of Palermo at:

<http://portale.unipa.it/amministrazione/arearicercasviluppo/home/Dottorato/>

Are attached to this notice:

- List of places for each Doctorate Course (Annex 1)
- Application Form (Fac-simile) (Annex A)
- Application Form for foreign applicants (Annex A for foreign)
- Curriculum Vitae Europass (Annex B)
- List of own qualifications, duly signed below (Annex C).

Palermo, 09/08/2012

IL RETTORE

(Prof. Roberto LAGALLA)

Allegato 1

RESEARCH DOCTORATES Academic Year 2012-2013 – XXVI CYCLE

Doctorate courses are listed according to the following CUN (National University Council) areas:

- CUN Area 1** **Mathematical and Computer Sciences**
- CUN Area 2** **Physical Sciences**
- CUN Area 3** **Chemical Sciences**
- CUN Area 4** **Earth Sciences**
- CUN Area 5** **Biological Science**
- CUN Area 6** **Medical Science**
- CUN Area 7** **Agricultural and Veterinary Science**
- CUN Area 8** **Engineering and Architecture**
- CUN Area 9** **Industrial and Information Engineering**
- CUN Area 10** **Antiquity, Philological-Literary and Historical-Artistic Sciences**
- CUN Area 11** **Historical, Philological, Pedagogical and Psychological Sciences**
- CUN Area 12** **Juridical Sciences**
- CUN Area 13** **Economic and Statistic Sciences**
- CUN Area 14** **Political and Social Sciences**

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
1	Mathematical and Computer Sciences	=====	1	Dept. of Mathematic and computer sciences	=====	=====	1		1	2		3

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
2	Physical Sciences	=====	2	Dept. of Physic	=====	=====	3 (1 is for foreign applicants only)		2	2	1 (with grant) 1 (without grant)	6
3	Chemical Sciences	=====	3	Dept. of Chemistry "Stanislao Cannizzaro"	=====	=====	3		3	2	1 (without)	6
4	Earth Sciences	A) Geochemistry	4	Dept. of Earth and Sea Sciences (DISTEM)	=====	=====	1		1	1		2
		B) Geology			=====	=====	0		0	1		1
5	Environmental Biology and Biodiversity	A) Animal Biology	5	Dept. of Environmental Biology and Biodiversity	=====	=====	2		2	1	1 (without grant)	4
		B) Vegetal Biodiversity and landscape ecology			=====	=====	0		0	1		1
6	Molecular Medicine (PREVALENT CUN AREA 6)	A) Human alimentation and nutrition	5	Dept. of Biopathology and Medical - Forensic Biotechnologies (DIBIMET)	Univ.Messina	=====	1 (1 is for foreign students only)		0	1	1 (with grant)	2
		B) Biopathology	6		=====	=====	2		2	2		4
		C) Physiopathology of Metabolism: lipids and lipoproteins	6		Univ.Catania	MIUR - "Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti 2011"	0	1	1	1		2

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
7	Experimental Biotechnology and Medical Applied Sciences	A) Genomics and Proteomics on Oncology and Endocrine-Metabolic	6	Biomedical dept. of Internal and Specialist Medicine (Di.Bi.M.I.S.)	=====	=====	1		1	1		2
		B) and Physiopathology of Cardiovascular Damage in Endocrine-Metabolic Diseases			=====	=====	1		1	1		2
		C) Experimental and Clinical Pneumology			Cattolica Sacro Cuore Roma, Brescia, Roma La Sapienza	=====	1		1	1		2
8	Physiopatologia and Image Diagnostic in Internal Medicine	A) Physiopathology and Image Diagnostics in Cardiovascular and Renal Ambit and in Sports	6	Dept. Experimental Internal Medicine (DIMIS)	=====	=====	1		1	1		2
		B) Physiopathology of liver			=====	=====	1		1	1		2
9	Cardiovascular Medicine and Surgery- Urological Biotechnology	A) Urological Sciences	6	Maternal, Infantil and Andrology and Urology University Depratment	Seconda Università di Napoli	=====	1		1	1		2
		B) Cardiovascular Sciences: from molecular biology to clinic			=====	=====	0		0	1		1
		C) surgical biotechnology, nutritional-metabolic and regenerative medicine indicated in insufficient organ and tissue			Univ. Perugia – Seconda Università di Napoli	MIUR -Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti - 2011	0	1	1	2		3

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
10	Clinical and Molecular Oncology	A) Applied Clinical and Experimental Oncology	6	Dept. Of Surgical and Oncological Disciplines	=====	=====	2		2	2		4
		B) Stomatology and cervico-facial sciences			=====	=====	1		1	1		2
11	Agro-Forest Sciences	A) Agriculture and Economy Policy	7	Dept. DEMETRA	Univ. Messina – Univ. Mediterranea di Reggio Calabria	=====	0		0	2		2
		B) Eco-Compatible Phytosanitary Management in Agro-Forest and Urban Environments			Univ. Catania – Univ. Mediterranea di Reggio Calabria	=====	3 (1 is for foreign applicants only)		2	2	1 (with grant)	5
		C) Agricultural and forest arboreous system			=====	MIUR - Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti 2011	1	1	2	2		4
12	Afro-Forest Systems	A) Mediterranean Agro-Eco System	7	Dept. of Agro-Forest Systems (SAGa)	=====	=====	2		2	1	1 (without grant)	4
		B) Environmental Hydronomics			=====	=====	1		1	1		2
		C) Technologies for Environmental Sustainability and Reclamation			=====	=====	1		1	1		2

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
13	Analysis, Planning and Representation of Local, Urban, Historical-Architectural and Artistic Resources	A) Urban and Regional Planning	8	Dept. of Architecture	=====	=====	3 (1 is for foreign applicants only)		2	3	1 (with grant)	6
		B) Art, Architecture and City: History, Representation and Preservation			=====	=====	3 (1 is for foreign applicants only)		2	3	1 (with grant)	6
14	Civil and Environmental Engineering (PREVALENT CUN AREA 8)	A) Hydraulic and Environmental Engineering	8	Civil, Environmental, Aerospace and Materials Engineering	Univ. Messina	=====	2		2	2		4
		B) Road network Engineering Infrastructures and Geomatic	8		Università Mediterranea di Reggio Calabria	=====	1		1	1		2
		C) Engineering Structures	8		=====	=====	1		1	1		2
		D) Materials	9				2		2	0		2
15	Energy (PREVALENT CUN AREA 9)	A) Energetics	9	Dept. of Energy	Univ. Sannio – Cassino - Napoli "Federico II"	=====	1		1	1		2
		B) Environmental Technical Physic	9		Università Catania - Mediterranea di Reggio Calabria	=====	0		0	2		2

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
		C) Transportation Technique and Economics	8		Università Cagliari	=====	1		1	1		2
16	Electric, Electronic and Communications Engineering, Mathematics and Automation Science	A) A) Electric Engineering	9	Dept. of Electrical, Electronic and Telecommunications Engineering, Chemical Technologies, Automation and Mathematical Models (DIETCAM)	=====	=====	2		2	0	2 (without grant)	4
		B) Electronic and Communication Engineering			=====		1		1	1		2
		C) Mathematics and Automation Science for Scientific and Technological Innovation			=====		1		1	0	1 (without grant)	2
17	Chemical, Management, Information and Mechanical Engineering	A) Chemical ad Materials Engineering	9	Dept. Of Chemical, Management, Informatic and Mechanical Engineering	=====		1		1	3		4
		B) Production Engineering			=====		3		3	2		5
		C) Information Engineering			=====	MIUR - Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti - 2011	1	1	2	2		4
		D) Mechanical Design			=====	=====	1		1	1		2

Call Code	Doctorate	Courses of study	CUN Area	Doctorate Seat	Other Associated And/or participant Universities	Financial Institutions of grant	Grant		Positions			
							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
18	Greek – Latin Philology and Civilisation, History of the ancient Mediterranean	=====	10	Dept. of Cultural, Historical-Archaeological, Socio-anthropological and geographic heritage	Università Pavia – Catania	=====	2		2	1	1 (without grant)	4
19	Philological and Linguistic Literary Studies	A) Modern Literatures and Philological-linguistic Studies	10	Dept. of Philological and Linguistic Studies	Università Messina	=====	1		1	1		2
		B) Italian Studies, literary text: forms and history			Università Roma III – Seconda Università Napoli	=====	1		1	1		2
20	Philosophical Sciences	A) Philosophy	11	Dept. FIERI-AGLAIA	=====	=====	2		2	2		4
		B) Aesthetics and theory of Arts			Università di Salerno	=====	2		2	2		4
		C) Philosophy of Language, mind and educational processes			=====	=====	2		2	1	1 (without grant)	4
21	Psychological and Social Sciences	A) Psychology	11	Dept. of Psychology	=====	MIUR - Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti - 2011	3 (1 is for foreign applicants only)	1	3	2	1 (with grant) 1 (without grant)	7
		B) Public Relations	11		=====	=====	1		1	1		2

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		C) Sociology	14				1		1	1		2
22	History of Culture and Technique	=====	11	Dept. DISMOT	=====	=====	1		1	2		3
23	Comparative Law	Doctoral School of supranational and domestic law	12	Dept. of Private General Law	Univ. Torino – Piemonte Orientale – Trieste - Pisa	=====	1		1	1	1 (without grant)	3
24	Private Law	Section of the International Doctorate School "Tullio Ascarelli" Roma	12	Dept. of Private General Law	=====	=====	2		2	1	1 (without grant)	4
25	Roman and Public Supranational and National Law (Doctoral School of supranational and domestic law)	A) Roman Law Subjects (Roman Law and Antiquity Law)	12	IURA Rights and Defenses in National and Supranational Law	Univ.Napoli "Federico II" – Univ. Messina – Univ. Catania	=====	3		3	3		6
		B) European Integration Process and International Law			Università Enna "Kore" – Univ. Torino – Seconda Univ. Napoli - Catania	=====	2		2	2		4
26	Economy and Territorial Development	A) Economic Analyses, Technological Innovation and Management of Regional Development Policies	13	Dept. of Economic, Business and Financial Studies (SEAF)	=====	=====	1		1	1		2
		B) Touristic Sciences: methodologies, models and policies			=====	=====	1		1	1		2

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							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
		C) , Regional and Total Quality Analysis			=====	=====	0		0	1		1
27	Statistic, Applied Statistic and Quantitative Finance	=====	13	Dept. of Statistical and mathematical Science "S. Vianelli"	Univ. Catania e Cagliari	=====	1		1	2		3

DOTTORATI o Indirizzi INTERNAZIONALI

28	ENVIRONMENTAL AGRONOMY	=====	7	Dept. of Agro-environmental Systems	Università Viterbo – Mediterranea Reggio Calabria – IASI Romania – Szent István e Karoly Robert University (Ungheria)	MIUR - Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti - 2011	1 (1 is for foreign applicants only)	1	1	2	1 (with grant)	4
29	HUMAN RIGHTS: EVOLUTION, DEFENCE AND LIMITATIONS	Doctoral School of supranational and domestic law	12	:Dept. of Studies in Law, Politics and Society	Università Cattolica Sacro Cuore Milano – Padova – Napoli "Federico II"	=====	3		3	3		6
30	APPLIED PHYSICS (PREVALENT CUN AREA 2)	A) Applied Physic (INTERNATIONAL)	2	Dept. of Physic	Russia – Università di Lomonosov - Norgovod	=====	1 (1 is for foreign applicants only)		0	1	1 (with grant)	2
		B) Mathemstics, Physics and Chemical Didactic and History	1		=====	=====	0		0	1		1
31	MEDITERRANEAN FRUIT GROWING	=====	7	Dept. DEMETRA	Univ. Politecnica di Valencia (Spagna) - Univ. Of Ain Shams (Egitto)	MIUR - Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti - 2011	2 (1 is for foreign applicants only)	1	2	2	1 (with grant)	5

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							Grant financed by the University of Palermo	Grant financed by other Institutions	With grant	Without grant	Foreign applicant only	Tot.
32	IMMUNOPHARMACOLOGY	=====	6	Dept. of Biopathology and Medical and Forensic Biotechnologies (DIBIMEF)	Univ. Stoccolma (Svezia) – Jokohama (Giappone)	=====	3		3	2		5
33	MODELS FOR PLANNING AND CONTROL FOR PUBLIC ADMINISTRATION POLICIES AND STRATEGIES	=====	13	DEMS – Department of European Studies and International Integration	Univ.Foggia – Univ. Bergen (Norvegia) – Univ. Njimegen (Olanda) Univ.Lund (Svezia)	=====	2 (1 is for foreign applicants only)		1	2	1 (with grant)	4
34	CULTURAL EUROPEAN STUDIES	=====	10	Dept. of Culture, Arts, History and Communication	Università Bari – Milano Bicocca – Heinrich-Heine – Murcia - Valencia	=====	3		3	3		6
Dottorati o Indirizzi Internazionali di Nuova Istituzione												
35	ARCHITECTURE	A) Architectural Planning	8	Dept. of Architecture	Univ.Napoli "Federico II"; Parma, Mediterranea di Reggio Calabria		0		0	1		1
		B) Revival of Ancient Contexts and Innovative Processes in Architecture (INTERNATIONAL)	8		=====		2 (1 is for foreign applicants only)		1	1	1 (with grant) 1 (without grant)	4
36	CELLULAR BIOLOGY AND TECHNOLOGICAL SCIENCES OF THE DRUG (PREVALENT CUN AREA 3)	A) Cellular Biology	5	Dept. of Molecular and Biomolecular Sciences and Technologies (STEMBIO)	=====	MIUR - Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti – 2011	1	1	2	2		4
		B) Pharmaceutical Sciences (INTERNATIONAL)	3		Accordo Internaz. con Pazman Peter Chatolic University	=====		2		2	1	1 (without grant)

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		C) Technology of biologically active substances	3		Bari - Catania	=====	1		1	1		2
37	BIOMEDICINE AND NEUROSCIENCE (INTERNATIONAL) (PREVALENT CUN AREA 5)	A) Experimental and Molecular Medicine	5	Dept. of experimental Biomedicine and Neuroscience (BioNec)	Internazionalizzazione con Università TEXAS	=====	2		2	1	1 (without grant)	4
		B) Experimental Oncology	5		Internazionalizzazione con Università TEXAS	=====	1		1	1		2
		C) Neurosensorial Physiopathology	6		Internazionalizzazione con Università TEXAS	=====	2		2	1	1 (without grant)	4
		D) Neurosciences and behavioural disorders	6		Univ.Torino; Libera Università "Vita-Salute S. Raffaele" di Milano - Internazionalizzazione con Università TEXAS	=====	3	1 Univ.-Torino*	4	4		8

* Positions with grant marked with an asterisk, as the corresponding places without grant, will be activated if the agreement is signed by Financing Agency.

Allegato 1