



**Announcement of selection for Doctoral positions  
Doctoral School in  
MATHEMATICS – 25<sup>th</sup> cycle**

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**THE RECTOR**

Given Law no. 210 of 3.07.1998 and in particular, Art. 4, which assigns the organization of doctoral studies to universities in accordance with the general criteria stipulated by ministerial regulations;  
Given the Ministerial Decree no. 224 of 30.04.1999, regarding the general criteria to be followed by individual universities in the organization of doctoral studies;  
Given the Decree by the Prime Minister of 9.04.2001, and subsequent amendments on the general criteria for uniform treatment regarding the right to higher education;  
Given the Charter of the University of Trento and in particular Art. 12, paragraph 9;  
Given the University Regulations for Doctoral Schools, issued with the Rector's Decree no. 997 of 16.12.2003 and amended with the Rector's Decree no. 359 of 19.04.2006;  
Given the proposals made by the Department of Mathematics;  
Given the report of the internal Evaluation Committee of 15<sup>th</sup> of January 2008 on the requirements for the Doctoral Programmes proposed;  
Given the resolution made jointly by the Academic Senate and the Scientific Research Committee on the 4<sup>th</sup> of March 2009;

**DECREES**

**ART. 1 - INSTITUTION**

The University of Trento announces the 25<sup>th</sup> cycle of the Doctoral School in "Mathematics" in collaboration with "Centro di Ricerca di Matematica E. De Giorgi" of the Scuola Normale Superiore di Pisa (Italy).

**Length:** three years

**Scientific Areas:**

- Mathematical Logic
- Algebra
- Geometry
- Complementary Mathematics
- Mathematical Analysis
- Mathematical Probability and Statistics
- Mathematical Physics
- Numerical Analysis
- Operations Research
- Statistics
- Mathematical Methods of Economics and Finance

**Head of the School:** prof. Alberto Valli - phone 0039 0461 881580 - e-mail: [valli@science.unitn.it](mailto:valli@science.unitn.it)

**Official languages:** Italian and English

Selection for **7 doctoral positions** in the Mathematics Doctoral Programme is announced, **4 positions** of them will be assigned grants financed by the University of Trento.

The number of grant-assisted places may be increased by funds from universities, public research bodies or qualified private organizations made available after the publication of this announcement and before the beginning of the selection. Any increase in the number of available places resulting from an increase of grants will be communicated through the official notice board of the University of Trento and posted on the website: <http://portale.unitn.it/en/ec/phd/ma.htm>



#### ART. 2 –ADMISSION REQUIREMENTS

Applications for the doctoral positions are accepted from candidates, regardless of gender, age and nationality, who have an Italian “laurea specialistica” or “laurea magistrale” in compliance with Ministerial Decree no. 509 of 3.11.1999 as amended, a university degree of the previously enforced Italian regulations, or an equivalent academic degree obtained abroad.

Applicants who have a foreign degree which has not been officially recognized as equivalent to an Italian degree must submit a request for equivalence in the application. This is done by adding the following documents:

- degree certificate (or self-certification according to Presidential Decree no. 445 of 28.12.2000 for EU citizens);
- translation into English of the degree certificate, with exams taken, grades obtained and signed by the applicant to enable the Doctorate School Committee to declare its equivalence, for the sole purpose of being admitted to the selection of this call.

After admission to the Doctoral School, successful non-EU applicants who have a non Italian qualification and successful EU applicants who have a non EU degree, must provide the degree certificate with exams and grades obtained, translated and certified by the Italian Embassy or Consulate in the country of the university that issued the degree, and the value declaration (“Dichiarazione di Valore”) **within the enrolment date.**

Applications are also accepted from students who expect to complete their degree **by the 15<sup>th</sup> of October 2009**. In such cases admission is "conditional" and applicants must be able to present the degree certificate (or a declaration that the degree has been conferred according to Presidential Decree no. 445 of 28.12.2000 for EU citizens) **by this date.**

#### Art. 3 – THE DOCTORAL PROGRAMME

The Doctoral Programme in Mathematics lasts three years and it is articulated into four curricula:

##### **a) General Curriculum**

This curriculum deals with on one or more of the following scientific research areas:

- Calculus of Variations
- Nonlinear Partial Differential Equations
- Analytic and Algebraic Geometry
- Mathematical Physics and Dynamical Systems
- Stochastic Processes
- Mathematical Logic
- Lie Groups and Lie Algebra Theory

##### **b) Curriculum in "Mathematical Modeling and Scientific Computing (MAMOSC)"**

This curriculum will transversely deal with the following scientific research areas:

- Biomathematics and Population Dynamics
- Stochastic Processes
- Numerical Methods for Partial Differential Equations.

And some significant key words are:

- Mathematical Modeling
- Numerical Analysis
- High- Performance Computing
- Scientific Data Visualization
- Applications to Physics, Biology, Chemistry and Engineering

##### **c) Curriculum “Mathematics Education and Communication”**

This curriculum will transversely deal with the following scientific research areas:

- Mathematical Education: mathematical learning and cognitive processes; school curricula, reference systems and standards; tests’ methodology and evaluation techniques of the mathematical knowledge.
- Mathematics’ Communication: programmes and strategies; planning, implementation, experimentation, and evaluation of materials and of techniques for Mathematics’ Communication.



#### **d) Curriculum “Algebraic Coding Theory and Cryptography: algebraic and geometric methods”**

This curriculum aims at fostering research in the mathematical methods underpinning algebraic coding theory and cryptography, in particular:

Algebraic methods: linear algebra, commutative algebra, computational algebra, Groebner bases, numerical fields, group theory;

Geometric methods: algebraic geometry over finite fields, elliptic curves.

The research problems range from purely theoretical classifications to industrial applications, the latter complemented by internships within leading companies.

The Doctoral Programme is divided among the three years in the following way.

##### **1<sup>st</sup> year**

The first year is a guidance year through the scientific offerings of the Department of Mathematics, but also the beginning of the research activity. Each doctoral student is assigned a tutor who has to be member of the Doctoral School Committee. The doctoral student must submit to the Head of the School a written study plan, approved by the tutor, by the end of January of the current academic year.

According to this plan each student will follow three courses to be chosen, for curricula a), b) and d), among the ones held by the Doctoral School of the University of Trento, in general in the period February 1 – April 30, for curriculum c) either among the ones held by the Doctoral School of the University of Trento or else among the ones held by the Faculties of the University of Trento or elsewhere (Summer Schools, European Schools, Workshops).

The Doctoral School Committee can also ask the doctoral student to include in the study plan the attendance of particular courses because of their scientific importance for his/her education.

Each course in the study plan is requested to have a lecturer, responsible for the evaluation procedure of the final examination.

The final examination for the doctoral student in one of these three courses has to include a written test proposed and read by the lecturer responsible for the course, and an oral discussion. The final examination for the second and third courses is an oral exam. In alternative, for the third course the final examination can be a talk given by the doctoral student on a topic proposed by the lecturer responsible for the course. In general, the exams have to be finished before June 30 of the first year.

Students are invited to attend basic and advanced specific seminar organized either from the research groups of the Department of Mathematics and/or the Doctoral School, as well as workshops and summer schools.

Before April 30 of the first year the doctoral student will have to choose an advisor with whom he/she will decide the topic of his/her thesis. Thesis' topic will have to be concerned with one of the research areas involved in the above curricula.

The advisor typically is a member of the Doctoral School Committee. Upon a motivate request of the doctoral student the Doctoral School Committee can allow the choice of an external advisor. In this case the Doctoral School Committee have also to single out one of its member who formally acts as internal advisor during thesis period.

By the end of October of the current academic year the doctoral student must give to the Head of the School a written report on his/her first-year activity and to submit a project about his/her thesis. Moreover he/she will have to pass a final oral examination for the admission to the second year of the Doctoral School, in front of a committee formed by the three courses' lecturers, the advisor and the Head of the School or a delegate of him/her. The committee will have to evaluate the doctoral student's activity and to write a report, signed by the committee's members, with a recommendation about the admission of the student to the second year.

The doctoral student will be directly admitted to the second year following a positive committee evaluation, after this information is provided to the Doctoral School Committee by the Head of the School. In case of negative recommendation the Doctoral School Committee could exclude the doctoral student from the Doctoral School or propose his/her conditional admission to the second year. Indeed the student could be required to attend a more suitable study programme agreed by the Doctoral School Committee and he/she will have to pass a final examination by the end of February of the second year.

The evaluation committee report will have to be kept, together with the study programme and written tests, in the official record of Doctoral School for the student at the Secretariat of the Department of Mathematics.

##### **2<sup>nd</sup> and 3<sup>rd</sup> year**

The second and third year are devoted to the research for the thesis.

The doctoral student fully takes the typical life of a mathematics researcher and will participate regularly to international scientific events regarding his/her chosen area, as well as in those related that are deemed useful in his/her formation.



By the end of the second year the doctoral student has to write an account on his/her scientific activity. Such an account is evaluated by a committee formed by his/her advisor and two members of the Doctoral School Committee. The committee will have to evaluate the doctoral student's activity and to write a report, signed by the committee's members, with a recommendation about the admission of the student to the third year. The doctoral student will be directly admitted to the third year following a positive committee evaluation, after this information is provided to the Doctoral School Committee by the Head of the School. In case of negative recommendation the Doctoral School Committee could exclude the doctoral student from the Doctoral School or admit him/her under condition.

By the end of the third year the doctoral student is required to write an account on his/her scientific activity, which, together with the report of the advisor on the thesis, will be used by the Doctoral School Committee for deciding about the admission of the student to the final examination.

The doctoral student is strongly encouraged to spend abroad some period of their activity in those universities involved in his/her research areas.

#### Art. 4 – APPLICATION

Applications should be made using the application form attached to this announcement.

The application, including all the annexes required, must arrive at the University of Trento **by the 30<sup>th</sup> of September 2009** in one of the following ways:

- a) hand delivered to: Ufficio Protocollo Centrale, Via Belenzani 12 – 38100 Trento, from 10:00 to 12:00, Monday to Friday;
- b) by mail to the following address: Magnifico Rettore dell'Università degli Studi di Trento, Via Belenzani 12 – 38100 Trento (ITALY) (please write "Selection for the Doctoral School in Mathematics" on the envelope);
- c) on-line application within 4:00 p.m. at the following website: <http://portale.unitn.it/en/applyphd.htm>

The University of Trento does not take responsibility for loss of applications from mistakes in writing the address nor from possible postal or telegraphic delays or problems.

Applications arriving after the **30<sup>th</sup> of September 2009** will not be considered, even if sent before this date.

According to Italian Law no. 104/92, Art. 20 and Italian Law no. 68/99, Art. 16, para. 1, applicants with special needs are expected to indicate explicitly in their application whether they require special assistance or extra time during the examinations. Under Legislative Decree 196/03, all information will be kept confidential.

#### Annexes

Applications must include:

- photocopy of the applicant's identity card or passport;
- degree certificate or degree self-certification (according to Presidential Decree no. 445 of 28.12.2000 concerning only EU citizens) with a list of the examinations passed successfully and the scores obtained in each examination.

Applicants expecting to complete their degree by the 15<sup>th</sup> of October 2009, to be admitted in the selection, must submit a certification or self-certification (according to Presidential Decree no. 445 of 28.12.2000 concerning EU citizens) of the enrolment in the course of studies with a list of the examinations passed successfully and the scores obtained in each examination. The applicants must then be able to present the degree certificate, or a declaration that the degree has been conferred (according to Presidential Decree 445 of 28.12.2000, applicable only to citizens of EU), by this date.

Applicants with a foreign qualification that has not been officially recognized as equivalent to the Italian degree have to attach an English translation of the degree certificate with exams and scores obtained, signed by themselves under their own responsibility, in order to allow the Doctoral School Committee to evaluate the equivalence, valid for the only purpose of participating in the selection;

- a hard copy of the degree dissertation. Students, who expect to complete their degree within the 15<sup>th</sup> of October 2009, have to send it within 12:00 of the 19<sup>th</sup> of October 2009 in order not to be excluded;
- summary of the dissertation explaining the reasons for the choice of the subject, the research methodology, results obtained and discussion/evaluation.

Applications can include:

- two letters of recommendation written by the thesis advisor and/or other experts about the doctoral research subjects. The letters must be in a sealed envelope;
- any other qualifications believed useful in the assessment of the applicant.



If, afterwards the submission of their application, candidates have to add further information, it must reach the University by the 30<sup>th</sup> of September 2009 with the way a) hand delivered or b) by post of this article (should the parcel be sent by mail the candidate must indicate: name, surname, Doctoral School in Mathematics and the subject "Integrazione domanda").

The University of Trento has the right to check, even to spot check, declarations and documents provided by the candidates, according to art. 71 and following articles of the Presidential Decree no. 445 of 28.12.2000. Candidates not fulfilling the requirements requested can be omitted from the selection for the Doctoral Programme at any time.

#### Art. 5 – SELECTION

Selection for the Doctoral School aims to evaluate the candidates' aptitude to scientific research.

Examination consists in the assessment of qualifications listed in the art.4.

Candidates obtaining a total score of at least 50/90 points will be short-listed.

The date of the assessment of qualifications will be displayed on the website:

<http://portale.unitn.it/en/ec/phd/ma.htm>

#### Art. 6 – ADMISSIONS COMMITTEE

The Rector, after hearing the Doctoral School Committee, appoints the Admissions Committee. It will consist of three members chosen among Italian and foreign professors and researchers, who are experts in the scientific areas of the Doctoral School. The Committee may also include two experts belonging to public and private national and international research institutes.

After the titles' evaluation the final ranking of candidates will be posted on the website:

<http://portale.unitn.it/en/ec/phd/ma.htm> and it will be put up on the notice board of the exam's place.

Through publication of the list, notification concerning the proceedings is considered to be fulfilled.

The successful applicants will not receive personal communication of their results.

#### Art. 7 - ADMISSION TO THE DOCTORAL SCHOOL

Short-listed applicants will be admitted to the Doctoral School according to the order on the list till the available places have been filled.

If the candidates are equally worthy of admission, the student's economic situation will be evaluated for places that include a grant, in accordance with the Decree of the President of the Council of Ministers (D.P.C.M.) of 9.04.2001 as amended, for places without grant, the youngest student will be given the place.

If a successful applicant withdraws before the beginning of the Programme, the next applicant on the list will be offered the place.

If a successful applicant withdraws or is excluded in the first three-month term of the first year, the Doctoral School Committee may decide to fill the vacant place with another candidate on the list.

According to Art. 19, paragraph 3 of the University Regulations for Doctoral Schools and according to previous Doctoral School Committee resolutions, the Admissions Committee may admit to the School up to 35% of the total assigned places, candidates who are eligible in the general ranking, if they belong to the following categories:

- applicants from non-EU countries who have been awarded any kind of grant;
- applicants from a country with whom exists a specific intergovernmental agreement with Italy, followed by a specific agreement with the University of Trento (with no obligatory financial burden for the University of Trento);
- short-listed applicants who have been awarded grants under Law 449/97, Art. 51 ("Assegni di ricerca").

#### Art. 8 – HOW TO ENROL

Successful applicants should forward their application for enrolment on paper with attached stamp duty to:

**University of Trento – Ufficio Dottorati ed Esami di Stato, Via Inama 5 – 38100 Trento (ITALY)**

within 15 days after the date of the publication of the final ranking.

If applicable, the payment receipt of the provincial tax for the right to university study (TDS) must be attached to the application.

In the application (forms are available at Ufficio Dottorati ed Esami di Stato and on the website:

<http://portale.unitn.it/en/ec/phd.htm>), candidates should:



- ask / ask not to be awarded a grant (including successful applicants who are not eligible for a grant in case an applicant eligible for a grant gives up his/her place);
- declare that they already received / did not receive a grant by the Italian Ministry of Foreign Affairs or by other Italian or foreign institution;
- declare that they have / have not already been awarded a grant for an Italian Doctoral Programme;
- declare that they are not already enrolled and promise not to enrol in any other Programme for a diploma, degree, an Italian "Scuola di Specializzazione", Doctorate or Specialization degree, whether of the 1<sup>st</sup> or 2<sup>nd</sup> level, for the duration of this Doctoral Programme; if they are, they will stop attending such a School before the start of the Programme;
- declare that they are / are not employed by the Italian public sector;
- declare to request the Doctoral School Committee authorization for any occupation;
- undertake to inform the University of any changes of their residence or address.

Admitted non-EU applicants holding a non-Italian qualification and admitted EU applicants holding a non-EU qualification must also present their degree certificate along with exams taken and grades, translated and authenticated by an Italian consulate, embassy or diplomatic representative in the country where the degree was issued, and the respective declaration of validity ("Dichiarazione di Valore") when enrolling.

Successful applicants who do not send their application within 15 days following the date of publication of the list on the website: <http://portale.unitn.it/en/ec/phd/ma.htm> lose the right to enrol and the corresponding places will be offered to the next candidates on the list.

#### Art. 9 – GRANTS

Grants are assigned on the basis of the merit-based ranking of applicants drawn up by the Admissions Committee.

If a candidate forfeits his/her right to receive the grant, the next candidate on the list will be offered the grant. In case grants financed by external bodies would be available successful applicants can choose one of these scholarships according to their position in the merit-based ranking. If these scholarships are reserved for specific areas of research, the candidate may accept or decline the scholarship.

The gross amount of the scholarship is Euro 13,638.47 per year<sup>1</sup>.

Scholarships are normally paid bi-monthly, in advance.

The scholarships cannot be combined with other grants, except those awarded by national or foreign scientific institutes for periods spent abroad that are deemed useful for the research activities of the student.

The scholarship will be increased by 50% for research periods spent abroad authorized by the Head of the School or by the Doctoral School Committee.

Scholarships are conferred for the entire duration of the Doctoral Programme, conditional upon a positive evaluation of the Doctoral School Committee at the end of each year of study.

Failure to attend the Programme for over thirty days will result in suspension of the scholarship .

If a doctoral student decides not to continue with his/her studies, he/she forfeits the right to use the grant for the amount which has not been paid out.

#### Art. 10 - RIGHTS AND DUTIES OF DOCTORAL STUDENTS

Doctoral students are required to attend the Doctoral Programme and to carry out research activities on a full time basis according to the schedules and the regulations laid down by the Doctoral School Committee, as specified in Art. 3 of the present announcement.

Students writing an co-tutelle thesis have to carry out study and research activities on the basis of the agreement signed with the foreign University.

On the basis of an evaluation concerning the activities carried out by doctoral students the Doctoral School Committee can propose the Rector to exclude them from the Doctoral School.

Grants financed by external bodies and concerning a specific research area limit the grant holders to carry out research in this area for the entire Programme.

During the Doctoral Programme, students are insured by the University against accidents and damage to third parties occurring in circumstances pertaining the Programme.

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<sup>1</sup> At the date of publication of the present call, Italian law (art. 2, §26 of Law 335/95 and subsequent modifications) states that scholarships are subject to pension fund contributions (INPS) starting from 01/01/2009, of 17% or 25,72%, of which 1/3 will be charged to the candidate.



A public service employee admitted to a Doctoral School may request leave of absence for reasons of study for the whole duration of the doctoral course, without allowances, and may benefit from the scholarship, if the required conditions are met.

In the case of admission to a doctoral course without a scholarship, or if the candidate has declined the scholarship, the person on leave of absence enjoys the economic remuneration and social insurance and retirement benefits enjoyed by the public administration where he/she is employed. Should the employee terminate employment in public administration in the two years succeeding his/her having obtained the doctoral title, the amounts paid during the course of the doctoral studies will be claimed back.

#### Art. 11– DOCTORAL TITLE CONFERRAL

The doctoral title, conferred by the Rector, is awarded when students pass the final examination at the end of the Doctoral Programme.

The Examination Committee will be appointed by the Rector, upon the advice of the Doctoral School Committee and in accordance with the University Regulations for Doctoral Schools.

Release of title certification is dependent upon delivery of the final thesis to the University's open access institutional archive on behalf of the graduate, that guarantees the conservation and public availability of the thesis. It is the University's responsibility to then deposit the thesis, according to law, among the National Libraries of Rome and Florence.

#### Art. 12 – PERSONAL DATA

The University of Trento, in accordance with Legislative Decree 196/03 "Italian Personal Data Protection Code", uses the applicants' personal data only for fulfilment of the selection procedures and for institutional reasons.

In observance of the above-mentioned law, participation in the selection requires the applicant to give the University of Trento permission to publish his/her personal data concerning the results of the selection procedure on the University website.

#### Art. 13 – REFERRAL RULE

For matters not explicitly mentioned in the present announcement, please refer to art. 4 of Law no. 210 of 3.07.1998, to Ministerial Decree no. 224 of 30.04.1999 and to the University Regulations for Doctoral Schools issued with the Rector's Decree no. 937 of 16.12.03 and amended with the Rector's Decree no. 359 of 19.04.2006.

Trento, 8<sup>th</sup> of May 2009

The Rector  
prof. Davide Bassi



<p><b>MAGNIFICO RETTORE</b>  <b>UNIVERSITÀ DEGLI STUDI DI TRENTO</b>  <b>VIA BELENZANI 12</b>  <b>38123 TRENTO – ITALY</b></p>
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I, the undersigned, apply to be included in the competitive selection for the Doctoral School in

<b>MATHEMATICS – 25<sup>th</sup> cycle</b>
<b>Preferred curriculum<sup>2</sup>:</b>

For this purpose I, the undersigned, declare

<b>SURNAME</b>		
<b>FIRST NAME</b>		
<b>SEX</b>	<b>F</b>	<b>M</b>
<b>DATE OF BIRTH</b>		
<b>PLACE OF BIRTH</b>	<b>Town/City</b>	
	<b>Country</b>	

**PLACE OF PERMANENT RESIDENCE**

<b>Address</b>		
<b>Zip Code</b>	<b>Country</b>	
<b>Tel.</b>	<b>Fax</b>	
<b>E-mail</b>		

**ADDRESS FOR CORRESPONDENCE (if different from permanent residence)**

<b>Address</b>		
<b>Zip Code</b>	<b>Country</b>	
<b>Tel.</b>	<b>Fax</b>	

• THAT I HAVE \_\_\_\_\_ CITIZENSHIP

•  THAT I TOOK AN ITALIAN DEGREE

in (subject)  
at the University of  
conferred on (date)  
with mark


<sup>2</sup> Write the preferred curriculum among the four proposed curricula:  
a) General Curriculum  
b) Mathematical Modeling and Scientific Computing (MAMOSC)  
c) Mathematics Education and Communication  
d) Algebraic Coding Theory and Cryptography: algebraic and geometric methods.



- THAT I HAVE NOT YET GRADUATED and I am aware that my admission to the Doctoral School depends on the presentation of my degree certificate within the 15<sup>th</sup> of October 2009**

studying (subject)

Date of title awarding

at the University of

Country


- My degree has been recognised as equivalent to the Italian degree:**

Italian Rector's Decree recognising equivalence	No.
	on (date)
	Authority

- THAT I HAVE A FOREIGN QUALIFICATION and I request the Doctoral School Committee to recognize its equivalence to the Italian degree<sup>3</sup>**

in (subject)

at the University of

conferred on (date)

with mark

length of the course in years


- **THAT I KNOW ENGLISH**

- **THAT I KNOW THE FOLLOWING LANGUAGE(S)**

<input type="checkbox"/> Italian	<input type="checkbox"/> Spanish	<input type="checkbox"/> German	<input type="checkbox"/> French	<input type="checkbox"/> _____	<input type="checkbox"/> _____
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- **THAT I UNDERTAKE to inform the University of any changes of my permanent address of residence, place of living and correspondence**

- **THAT I HAVE / DO NOT HAVE<sup>4</sup> ANY DISABILITY (Art. 4 Law 104/92) and need**

- the following assistance: \_\_\_\_\_
- or extra time (mark as necessary):                      YES                      NO

- **THAT I AM AWARE AND ACCEPT THE REGULATIONS REGARDING**

- the present announcement
- the University Regulations for Doctoral Schools  
[http://portale.unitn.it/en/rr/reg\\_doct.htm](http://portale.unitn.it/en/rr/reg_doct.htm)
- the Implementing Regulations of the Research Doctoral School in Mathematics  
<http://portale.unitn.it/en/rr/reru.htm>

Date \_\_\_\_\_

Signature \_\_\_\_\_

<sup>3</sup> Candidates who have a foreign qualification that has not been officially recognised as equivalent to the Italian degree will have to provide, in addition to the certification or self-certification (according to Presidential Decree no. 445 of 28.12.2000 for EU citizens) of the awarding title, an English translation of the degree certificate obtained, with a list of exams taken and grades obtained, signed by the candidate to allow the Doctoral School Committee to declare its equivalence for **the sole purpose of participating in the selection.**

<sup>4</sup> Cross out the item of no concern.



## ANNEXES<sup>5</sup>:

### Applications must include:

- photocopy of the applicant's identity card or passport;
- degree certificate or degree self-certification (according to Presidential Decree no. 445 of 28.12.2000 concerning only EU citizens) with a list of the examinations passed successfully and the scores obtained in each examination.

Applicants expecting to complete their degree by the 15<sup>th</sup> of October 2009, to be admitted in the selection, must submit a certification or self-certification (according to Presidential Decree no. 445 of 28.12.2000 concerning EU citizens) of the enrolment in the course of studies with a list of the examinations passed successfully and scores obtained in each examination. The applicants must then be able to present the degree certificate, or a declaration that the degree has been conferred (according to Presidential Decree no. 445 of 28.12.2000, applicable only to citizens of the European Union), by this date.

Applicants with a foreign qualification that has not been officially recognized as equivalent to the Italian degree have to attach an English translation of the degree certificate with exams and scores obtained, signed by themselves under their own responsibility, in order to allow the Doctoral School Committee to evaluate the equivalence, valid for the only purpose of participating in the selection;

- a hard copy of the degree dissertation. Students, who expect to complete their degree within the 15<sup>th</sup> of October 2009, are required to send it within 12:00 of the 19<sup>th</sup> of October 2009 in order not to be excluded;
- summary of the dissertation explaining the reasons for the choice of the subject, the research methodology, results obtained and discussion/evaluation.

### Applications can include:

- two letters of recommendation written by the dissertation advisor and/or other experts on the doctoral research subject. The letters must be in a sealed envelope;
- any other qualifications believed useful in the assessment of the applicant.

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<sup>5</sup> After the conclusion of the selection, applicants intending to receive back their documents attached to their application for the Doctoral School must write to Ufficio Dottorati ed Esami di Stato a specific request within a year the expire date of the present announcement. Any postal expenses will be met by the applicant.