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Section III Class 6  
UOR. SDR

POLITECNICO DI MILANO



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Competitions and Examinations no. 29  
of 13/04/2012  
DEADLINE: 25<sup>th</sup> May 2012**

- Given law no. 168 of 9.5.1989;
- Given the Prime Ministerial Decree of 30.4.1997 as amended;
- Given law no. 210 of 3.7.1998;
- Given the regulations pertaining to the Ph.D.s adopted on 30.04.1999 with Ministerial Decree no. 224;
- Given law no. 240 of 30.12.2010;
- Given the regulations of the Politecnico di Milano pertaining to the Ph.D.s, issued with Rectoral Decree no. 1013 of 12/04/2011
- Pending MIUR regulation pursuant to art. 4 of law no. 210 of 3.7.1998 as amended by art. 19 of law no. 240 of 30.12.2010;
- Given the resolutions of the Academic Senate of 15.12.2011 and 23.01.2012;
- Given the resolutions of the Board of Directors in its meetings of 20.12.2011 and 31.01.2012;

**HEREBY DECREES :**

**Art. 1  
(Institution)**

The Politecnico di Milano has published the admission selection call for the 28th cycle of the Ph.D. programmes.

In this call, the number of positions, the number of available scholarships and the number of scholarships for foreign nationals are specified for each Ph.D.

Additional positions and scholarships may become available before the completion of assessment, subject to application deadlines, on the part of applicants, for admission selection and submission of the corresponding documentation required by Article 3 below.

For the purposes of effectively activating the Ph.D. programme, the minimum number of students registered for the Ph.D. may not be less than three.

The call is open to Italian and foreign nationals. Displaced persons are considered as foreign nationals.

In the case of dual nationality, one of them being Italian, the applicant must choose (for the sole purpose of the selection procedure for scholarships reserved for foreigners) Italian citizenship.

Admission to the Ph.D. programmes will be determined on the basis of an assessment of the educational CV, the cover letters and a document illustrating the development of a possible Ph.D. research project which the applicants must send at the time of their registration for the selection, according to Article 3 below.

With the exception of that provided for in the Executive Ph.D. programme, the Ph.D. programme foresees a three-year commitment.

**Art. 1 bis  
(Types of positions)**

The Ph.D. positions fall into the following categories:

a) positions with Ph.D. scholarships awarded by the Politecnico di Milano.

The scholarships may be either generic or restricted to a particular research topic.

These scholarships are open to citizens that are not subject to employment or fixed-term contracts or public employees or employees on leave.

b) positions without Ph.D. scholarships awarded by the Politecnico di Milano subject to payment of admission and tuition fees. These scholarships are open to citizens not subject to employment or fixed-term contracts (compensation in the form of university research grants or compensation

disbursed from national, EU or international public institutions) or public employees or employees without leave; in the latter case, the applicant must be undergoing the Executive Ph.D. programme;

**TABLE OF PLACES AVAILABLE**

TITLE OF PH.D. COURSE	POSITIONS (*)	OF WHICH	
		GENERAL SCHOLARSHIPS	SCHOLARSHIPS FOR FOREIGNERS
INTERIOR ARCHITECTURE AND DESIGN	11	3	
ARCHITECTURE, URBAN DESIGN, CONSERVATION OF HOUSING AND LANDSCAPE	12	2	1
BIOENGINEERING	25	7	
INDUSTRIAL CHEMISTRY AND CHEMICAL ENGINEERING	25	6	
ARCHITECTURAL COMPOSITION	11	3	
PRESERVATION OF ARCHITECTURAL HERITAGE	11	3	
DESIGN	18	6	1
<b>PHYSICS</b>			
Area 1. Laser Physics, Photonic devices and applications	15	3	
Area 2. Solid state physics: advanced spectroscopy, scanning probe microscopy, nanostrutture fabrication	10	2	
TERRITORIAL DESIGN AND GOVERNMENT	10	3	
<b>AEROSPACE ENGINEERING</b>			
AREA 1. AEROSPACE ENGINEERING	18	2	1
AREA 2. ROTARY-WING AIRCRAFT	12	1	
<b>ENVIRONMENTAL AND INFRASTRUCTURE ENGINEERING</b>			
Area 1. Hydraulic Engineering	7	1	
Area 2. Hydrology, hydraulic construction, water resources and coastal engineering	4	1	
Area 3. Environmental technologies	4	1	
Area 4. Transport infrastructures	4	1	
Area 5. Geomatics	7	1	
<b>MATERIALS ENGINEERING</b>	25	3	
<b>BUILDING ENGINEERING</b>	7	3	
<b>INFORMATION TECHNOLOGY</b>			
AREA 1. COMPUTER SCIENCE AND ENGINEERING	36	5	
AREA 2. ELECTRONICS	18	3	
AREA 3. SYSTEMS AND CONTROL	18	4	
AREA 4. TELECOMMUNICATIONS	18	4	
<b>ELECTRICAL ENGINEERING</b>	8	3	
<b>MANAGEMENT, ECONOMICS AND INDUSTRIAL ENGINEERING</b>	36	8	1
<b>MECHANICAL ENGINEERING</b>			
Area 1. Dynamics and vibration of mechanical systems and vehicles	20	3	1
Area 2. Machine and vehicle design	20	3	
Area 3. Manufacturing and Production Systems	10	2	
Area 4. Methods and tools for Product design	10	1	
Area 5. Materials	10	2	
Area 6. Measurements and experimental techniques	10	1	
<b>STRUCTURAL SEISMIC AND GEOTECHNICAL ENGINEERING</b>	20	5	
<b>MATHEMATICAL MODELS AND METHODS IN ENGINEERING</b>	28	7	
<b>URBAN AND ARCHITECTURAL DESIGN</b>	11	3	
<b>DESIGN AND TECHNOLOGIES EXPLOITATION FOR THE CULTURAL HERITAGE (**)</b>	8	4	
<b>ENERGETIC AND NUCLEAR SCIENCE AND TECHNOLOGY</b>	20	6	
<b>SPATIAL PLANNING AND URBAN DEVELOPMENT</b>	10	2	1
<b>TECHNOLOGY AND DESIGN FOR ENVIRONMENT AND BUILDING</b>	6	3	

(\*) Research subjects, specific activities and economic conditions are available on the web page "Areas, subjects and topics of research published in the call" <http://www.ricerca.polimi.it/index.php?id=4732>

Regarding additional scholarships, the complete list with the corresponding forms, will be available on-line before the start of assessments at the web page "Research topics for additional scholarships" <http://www.ricerca.polimi.it/index.php?id=4733>

(\*\*) 3 of the 4 scholarships are topical and financed by:

1 by the "Le Regge dei Gonzaga" cultural district

2 by the University of Mantua Foundation.

Candidates interested in these scholarships, provided in the competition application they opted to compete for generic scholarships, may opt for these scholarships with the deadlines and procedures indicated in art. 3 bis of this notice.

#### **Art. 1 ter**

##### **(Ph.D. positions in collaboration with companies and external institutions: Executive PhDs and apprenticeship contracts for advanced education)**

In order to promote interaction and integration between university research and the growth and innovation of companies and external institutions, the Ph.D. School of the Politecnico di Milano may create Ph.D. programmes in collaboration with companies and external institutions (Executive Ph.D. and apprenticeship contracts for advanced education).

These programmes have the objective of:

- resolving research problems that are of interest to companies and external institutions;
- developing knowledge for the enrichment, growth and innovation of companies and external institutions;
- offering professional growth paths for brilliant and motivated employees, thereby increasing promotion possibilities in companies and external institutions.

The Executive PhD and apprenticeship contracts for advanced education normally require a 4 year commitment.

The educational objectives, the research activities and any associated costs for the external company or institution will be established in agreement between the company/institution to which the winning applicant belongs and the Department of the Ph.D. programme in question.

#### **Art. 2**

##### **(Requirements for participation in the selection)**

Applications may be submitted by Italian and foreign citizens holding a degree obtained under the regulations previous to MD No 509 of 3.11.1999 or Master of Science obtained pursuant to MD No 509 of 3.11.1999 or Master of Science obtained pursuant to MD No 270 of 22.10.2004 or equivalent academic qualification obtained abroad, comparable in duration and contents to the Italian qualification and approved in advance by the competent academic authorities.

If the foreign degree has been declared equivalent to the Italian degree, applicants must specify the Italian university and the date of the rectoral decree declaring equivalency of the same. In the case of equivalence issued by MIUR, applicants should indicate the appropriate references.

If the foreign degree has not yet been declared equivalent to the Italian degree, applicants must file an explicit request for recognition in the application for participation in the competition and submit all documents useful for the competent academic authorities to deliberate on the suitability of the foreign qualification.

In the case of a foreign qualification it is nevertheless compulsory to attach:

declaration of equivalent value of the qualification, issued by the Italian Embassy of the country of reference of the type of qualification attained;

translation and legalisation of the qualification by the Italian Embassy of the country of reference of the type of qualification attained.

If the qualification has not yet been attained or the candidate is not yet in possession of the documents mentioned above, the declaration of equivalent value, the translation and legalisation of the qualification must be produced before the enrolment deadline.

Those who are not in possession of the required qualification at the deadline of the call may also apply. Following the assessment of the examination boards, any admission of such applicants to Ph.D. programmes will be "subject to verification".

Those who obtain their academic qualification by 31<sup>th</sup> October 2012 must enrol between 15<sup>th</sup> October 2012 and 31<sup>th</sup> October 2012 with start of activities in November 2012.

Those who obtain their academic qualification between 01<sup>st</sup> November 2012 and 31<sup>st</sup> Decembre 2012 must enrol between 03<sup>rd</sup> Decembre 2012 and 14<sup>th</sup> January 2013 with start of activities in January 2013.

All applicants are required to have proficiency in English at least at B2 level, submitting to the PhD Registrar one of the certificates listed below no later than the deadline for the enrolment, if not already submitted at the deadline of expiry of the call.

Failure to submit certificates to the PhD Registrar within the established deadline for enrolment irrevocably entails loss of right to enrolment.

Below are the certifications accepted by the Politecnico di Milano and corresponding levels:

TEST	LEVEL B2
BRITISH INSTITUTES	Minimum level: - First Examination Master in English Language - First Examination Master in English Language Vantage - Vantage
CAMBRIDGE	Minimum level: FCE – C
CAMBRIDGE IELTS (International English Language Testing System)	Minimum Level: level 5
ETS - TOEFL (Test of English as a Foreign Language)	paper based (total score): ≥ 497
ETS - TOEFL (Test of English as a Foreign Language)	computer based (total score): ≥ 170
ETS - TOEFL (Test of English as a Foreign Language)	Internet based (total score): ≥ 59
ETS - TOEIC (Test of English for International Communication - Listening and Reading Test )	≥ 600
TRINITY COLLEGE LONDON	Minimum level: ISE II

The above certification is valid regardless of the date of attainment of the same.

The following applicants are exempted from certifying a level B2 knowledge of the English language: citizens of countries in which English is an official language and applicants who have attained a Bachelor's or Master's degree in an institution in which all teaching activity is carried out in English. These applicants must attach official documentation supporting the above.

### Art. 3 Requests to participate in the call

Applications for admission to the competition – one for each Ph.D. Course applied for – and the corresponding attached documentation must be drafted and sent exclusively in electronic format **by 2 pm (all times indicated in this notice are understood to be Italian times) on 25<sup>th</sup> May 2012**, via the on-line procedure available at the website <http://www.phd-admission.polimi.it>

The specified deadline is to be considered final.

The application, until it is saved and closed, can be modified by the candidate an indefinite number of times. After closure it can no longer be modified.

The applicant is responsible for verifying the correct completion of the procedure and no claims will be accepted for any malfunctions of the IT system.

In the application for admission, the applicant declares the following under his/her own responsibility:

- personal details, date and place of birth, place of residence and address selected for the purposes of the selection (specifying the ZIP code, telephone number e-mail address and possible Skype contact). The applicant also commits to promptly notify any changes to his/her place of residence and/or address;
- citizenship;
- academic qualification possessed and required for admission to the Ph.D. programme, specifying: the date of attainment of the qualification, the university from which the degree was attained, the official duration of the programme, graduation marks and the corresponding grading scale (where applicable);

or

- academic qualification possessed and required for admission to the Ph.D. programme, attained from a foreign university and declared to be equivalent to an Italian degree, specifying: date of attainment of the qualification, University from which it was attained, the official duration of the programme, the final marks associated with the qualification attained and the corresponding grading scale, as well as the date of the rectoral decree declaring equivalence

of the qualification with the Italian degree. If equivalence has been issued by the MIUR, the applicant must indicate the appropriate references.

In the event that the foreign qualification has not been declared equivalent to the Italian degree, the applicant must attach to the application and curriculum vitae all documents useful for recognition and assessment of the qualification for the sole purposes of admission to the Ph.D. programme;

or

- that the Degree or equivalent qualification is expected to be attained by 31.12.2012, specifying the University at which it will be attained and the official duration of the programme;
- to be in possession of a certificate attesting knowledge of the English language at the B2 level (as specified in art. 2 of this call);

or,

- that he/she will produce without fail by the deadline foreseen for enrolment, a certificate attesting knowledge of the English language at the B2 level (as specified in art. 2 of this call).
- **the Ph.D. programme applied for with a description of the reasons for applying to the selected Ph.D. programme (max 2,500 characters)**; specify for which research areas (max. 2 with order of preference) he/she is applying for, amongst those possibly proposed in the specific Ph.D. programme for which the application is made. Illustrative tables of research areas are available at the web page "**Research areas, subjects and topics published in the call**" <http://www.ricerca.polimi.it/index.php?id=4732>
- any names (max. 2) of references, complete with e-mail address, telephone number and possible Skype contact;
- **if you intend to compete for a scholarship: this option is binding for the possible allocation of the scholarship and can no longer be exercised after expiry of the call. After expiry of the call, the applicant may express the option for one or more topic scholarships, according to the procedures and deadlines defined in article 3 bis.**
- to undertake to attend the Ph.D., in accordance with the provisions of this call, the Regulations of the Politecnico di Milano concerning Ph.D. programmes as well as the procedures determined by the Faculty Committee;
- to authorize the competent offices to process, communicate, distribute and disclose any personal data, even by means of the procedures pursuant to art. 6 of this call, in accordance with Legislative Decree 30.6.2003 n. 196 ("Code regarding the protection of personal data");

Attach to the application:

- in case of attainment of an Italian qualification, self-certification of graduation
- or
- in case of attainment of a foreign qualification:  
declaration of equivalent value of the qualification, issued by the Italian Embassy of the country of reference of the type of qualification attained;  
translation and legalisation of the qualification by the Italian Embassy of the country of reference of the type of qualification attained.  
If the qualification has not yet been attained or the candidate is not yet in possession of the documents mentioned above, the declaration of equivalent value, the translation and legalisation of the qualification must be produced before the enrolment deadline.
  - certificate attesting to knowledge of the English language at least at the B2 level or any official documentation which may be useful for exempting the applicant from certification of knowledge of the English language at the B2 level (as specified in art. 2 of this call);
  - duly signed photocopy of an identity document; a photocopy of the passport or other identity document is required for non-EU citizens with official translation into Italian or English;
  - photocopy of the tax code, compulsory for Italian applicants. Foreign applicants must in any case be in possession of the tax code to finalise enrolment;
  - photocopy of the receipt of payment of the fee of € 25.82

The non-refundable fee of € 25.82 is due for each application presented.

Payment of the fee may be made in one of the following ways:

bank transfer to a/c no. 000001600X69 in the name of the Politecnico di Milano - at the BANCA POPOLARE DI SONDRIO – Branch Office no. 21 (international SWIFT code POSOIT22 - IBAN IT34T0569601620000001600X69), specifying the following as the reason for the payment: "APPLICATION FEE FOR ADMISSION TO THE COMPETITION FOR THE RESEARCH DOCTORATE in (specify the title of the PhD Programme), 28th CYCLE".

or

on-line payment with credit card (VISA, MasterCard, American Express): instructions are available at the web page "Enrolment fees and payment procedures" <http://www.ricerca.polimi.it/index.php?id=4727>

Finally, attach to the application:

- in PDF format, an illustrative document of the development of a possible Ph.D. research project (if the specific Ph.D. programme applied for foresees research areas, a document for each research area applied for must be attached, for a maximum of two), drawn up according to the RTF format available in the procedure (note moreover that the research illustrated in the documents sent with the application does not necessarily represent that which will be developed during the Ph.D. itself; in case of admission, the Ph.D. research project to be effectively carried out will be defined at a later date and approved by the Faculty Committee of the reference Ph.D., after having initiated Ph.D. activity, according to the regulations of the Ph.D. School);
- in PDF format, a curriculum vitae according to the prepared scheme available in RTF format in the procedure.  
The applicant must provide the information requested in the CV scheme.  
Moreover, the CV should include in particular the following attachments:

any publications (list in the CV all publications of the three years preceding the date of this notice and upload in PDF format the two most significant);

documentation concerning the academic qualification required for admission to selection (either attained or yet to be attained) with a list of exams and corresponding marks, declared in the application and in the CV;

any documentation certifying the possession of other academic qualifications, with a list of exams and corresponding marks, declared in the CV.

All documents submitted must be in Italian or English. If in another language, they must be translated into Italian or English by the diplomatic or consular delegation of competence or by an official translator.

**The Administration, at any time during the proceedings and even after the start of the Ph.D. programme, can check the truthfulness of statements made and require the submission of original documents.**

**It may, therefore, at any time and with a justified provision, exclude candidates from the selection process if they do not possess the requirements provided for in this call.**

#### **Art. 3 bis (Topic scholarship option)**

The applicant, provided the desire to compete for a scholarship has indicated in the application, may opt to compete for a topic scholarship by accessing the link <http://www.ricerca.polimi.it/index.php?id=4733> between 10am on 20<sup>th</sup> June 2012 and 2pm on 27<sup>th</sup> June 2012.

#### **Art. 4 (Admission Commissions)**

Admissions commissions relative to admission selection for Ph.D. programmes pursuant to art. 1 are constituted in compliance with art. 5 of Ministerial Decree no. 224 of 30.04.1999 and the regulations pertaining to Ph.D.s of this University.

**Art. 5**  
**Assessment criteria**

Applicants who are duly registered in the selection procedure are admitted to the Ph.D. programme following an assessment of qualifications by the Admissions Commission within the limit of places available.

The assessment of suitability for admission to the selected Ph.D. programme depends on the review of the quality of the candidate as well as his/her aptitude for research within the scientific ambit of the research areas of said Ph.D. programme for which the applicant has expressed the desire to compete, on the basis of his/her CV, cover letter motivating interest in the research and illustrative documents of the development of possible research in the areas of the Ph.D. programme applied for, sent together with the application. It is underlined that the research illustrated in the documents sent on application does not necessarily represent that which will be developed during the Ph.D. programme itself; in case of admission, the Ph.D. research project to be effectively carried out will be defined and approved at a later date by the Faculty Committee of the Ph.D. in question, after having initiated the Ph.D. activity, according to the Ph.D. School Regulations.

The Admissions Commission has 100 points available to assess each application. If the Ph.D. foresees subdivision in areas, the Admissions Commission makes a ranking for each area chosen by the applicant, in compliance with a maximum score of 100 points for each area.

The score is broken down as follows:

- CV: maximum of 50 points;
- reasons for admission to the selected Ph.D. programme: maximum of 15 points;
- illustrative document of the development of the possible research in the area of the Ph.D. programme applied for: a maximum of 35 points.

The applicant is considered eligible if he/she attains a total score of at least 60 out of 100 points.

The Commission may contact applicants for an interview on the material submitted (this interview does not involve additional points).

In order to assign topic scholarships, for each applicant considered eligible for admission to the course, the Commission will assess suitability with respect to topic scholarships for which the applicant declared their preference, based on the documentation presented in the application.

**Art. 6**  
**(Creating the rankings)**

On termination of assessment, a ranking is drawn up by each Admissions Commission, according to the criteria outlined in the previous article, for each research area: places, with or without scholarship, will be assigned in the order defined in the corresponding ranking.

Scholarships are awarded to eligible candidates according to:

1. the ranking position
2. eligibility for any options expressed by the applicant for topic scholarships

Rankings will be published **starting from 23<sup>rd</sup> July 2012** at the "Rankings" page <http://www.ricerca.polimi.it/index.php?id=4737>

**Art. 7**  
**(Obligations subsequent to publication of the rankings)**

Applicants, admitted with a scholarship of any kind, are subject to the following requirements:

via the procedure <http://www.phd-admission.polimi.it> from 10am on 10<sup>th</sup> September 2012 to 2pm on 19<sup>th</sup> September 2012 must declare:

- in which programme/area in which he/she has been accepted with scholarship he/she intends to enrol. Acceptance of the scholarship for a programme/area is binding and precludes the applicant from all other rankings
- or
- if he/she renounces the scholarship for all programmes/areas in which he/she was accepted as scholarship holder. In case of renunciation of the scholarship, the applicant, for each programme/area, must indicate whether he/she intends to enrol as a paying student or whether he/she renounces enrolment.

Renunciation of the scholarship and/or enrolment is irrevocable.

**Failure to comply with the requirements and the deadlines stated above involves the irrevocable loss of the scholarship and will allow the applicant to enrol only as a paying student.**

**Art. 8  
(Replacements)**

Having fulfilled the obligations pursuant to art. 7, for each programme/area a new ranking will be established based on the criteria pursuant to art. 6.

It should be noted that even during replacement, scholarships and any topic scholarships can only be awarded to applicants who have opted for the same, pursuant to art. 3 and art. 3 bis, and have been judged eligible by the Admissions Commission.

**The replacements ranking will be published starting from 08<sup>th</sup> October 2012.**

**Art. 9  
(Enrolment procedures)**

All applicants eligible for admission in the rankings pursuant to in articles 6 and 8 must enrol, under penalty of forfeiture of the right to admission to the Ph.D. programme:

**between 10am on 15<sup>th</sup> October 2012 and 2pm on 31<sup>st</sup> October 2012 if they attain the required qualification by 31<sup>st</sup> October 2012, with start of activities in November 2012.**

**between 10am on 03<sup>rd</sup> December 2012 and 2pm on 14<sup>th</sup> January 2013 if they attain the required qualification between 01<sup>st</sup> November 2012 and 31<sup>st</sup> December 2012, with start of activities in January 2013.**

Enrolment must take place via the specific application available at <http://www.phd-admission.polimi.it>

A copy of the registration receipt must be received **by the enrolment deadlines indicated above** at the Ph.D. Registrar's office, along with the following documentation:

- 1) certification of knowledge of the English language at least at the B2 level, in accordance with art. 2 (if not already submitted by the call deadline);
- 2) 1 recent passport size photograph;
- 3) tax code. For foreign citizens only, the tax code can be submitted no later than 31<sup>st</sup> January 2013;
- 4) copy of the receipt of payment of € 618.20 if the applicant is admitted without scholarship
- 5) Italian academic qualification required for admission to the Ph.D. programme: self-certification of attainment of the qualification, date of attainment of the qualification and marks (if not already submitted by the call deadline);

or

foreign academic qualification required for admission to the Ph.D. programme:  
declaration of value of the academic qualification necessary for admission to the Ph.D. programme, issued by the Italian Embassy in the country of reference of the type of qualification attained (if not already submitted by the call deadline);  
translation and legalisation of the qualification by the Italian Embassy of the country of reference of the type of qualification attained.

Payment of the fee may be made in one of the following ways:

bank transfer to a/c no. 000001600X69 in the name of the Politecnico di Milano - at the BANCA POPOLARE DI SONDRIO - Branch Office no. 21 (international SWIFT code POSOIT22 - IBAN IT34T0569601620000001600X69), specifying the following as the reason for the payment: "FIRST INSTALMENT OF TAXES AND FEES FOR THE PH.D. in (specify the title of the Ph.D. programme), 28th CYCLE";

or

on-line payment with credit card (VISA, MasterCard, American Express): instructions are available at the web page "Enrolment fees and payment procedures" <http://www.ricerca.polimi.it/index.php?id=4727>

The second instalment for the settlement of the balance, totalling € 882.00, must be paid using the same modalities by 30<sup>th</sup> June 2013.



This documentation must be received in one of the following ways:

1. hand delivery to the Ph.D. Registrar of the Politecnico di Milano – Via Golgi 42 - Milan (Monday to Friday, from 9am to 12.30pm)
- or
2. a registered letter addressed to the Rector of the Politecnico di Milano, Piazza Leonardo da Vinci, 32 – 20133 Milan, Italy. **The stamp of receipt by the competent Offices of the Politecnico di Milano** – and not the date of shipment of the application – shall be valid. Documentation can be sent in advance by fax to the fax no. +39-02-2399.9700 along with a copy of the identity document.

#### Art. 10

##### (Scholarships and contributions)

Scholarships disbursed by the Politecnico di Milano have a maximum duration of three years and are confirmed on an annual basis following a resolution for approval for the subsequent year on the part of the Faculty Committees of the individual Ph.D..

The basic amount of the scholarship is € 13,638.47 per annum gross of social security contributions to be borne by the beneficiary. This amount will be adjusted with any increase under the provisions of the law.

Scholarships come into effect on the date of actual commencement of attendance of the programme.

Departments to which the Ph.D.s refer may, with their own funds, increase the basic amount of the Ministerial scholarship by contributing towards the cost of housing for foreign and Italian Ph.D. students away from home.

Ph.D. students without a scholarship may benefit from contributions provided by Departments, limited to the cost of accommodation for foreign and Italian students away from home.

The increases and contributions provided by Departments are given in the documentation describing research subjects and topics; such documentation is an integral part of this call and is available at the following websites:

- "Research areas, subjects and topics published in the call"

<http://www.ricerca.polimi.it/index.php?id=4732>

for scholarships published in the call;

- "Additional scholarship research topics"

<http://www.ricerca.polimi.it/index.php?id=4733> for topic scholarships published by 20.6.2012.

For the periods spent abroad (lasting a minimum of one month and a maximum of 18 months) at Universities or Research Institutes the scholarship is increased by 50% for each month of permanence abroad. The amount taken as the basis of calculation is the Ministerial value of the scholarship, unless otherwise stated in the conventions foreseen by the funding Institutions.

Such periods must be approved by the Coordinator or the Faculty Committee of the Ph.D.

Candidates receiving research grants may not combine these amounts with the Ph.D. scholarship.

Ph.D. scholarships are subject to the provisions relative to tax benefits pursuant to article 4 of Law no. 476 of 13.08.1984 and subsequent regulatory provisions.

Scholarships may not be combined with other scholarships, regardless of the reason for their conferral, with the exception of those disbursed by national or foreign institutions for the integration of training or research activities by means of stays abroad.

Those having benefited from a scholarship for a Ph.D. programme, even partially, may not apply to scholarships for a second time.

In order for a public employee to benefit from a scholarship the same must, subject to the requirements of his/her employer, be approved for a leave of absence without pay and, upon enrolment, must submit the corresponding documentation certifying the attainment of said leave of absence.

On the other hand, if the candidate has not received a scholarship and attains a leave of absence, he/she will continue to receive the social security and retirement contributions from the public administration with which he/she is employed, subject to any repayment of amounts in the event of voluntary termination within the two years following attainment of the Ph.D.

An employee of a company or private entity admitted to the Ph.D. programme with a scholarship must be approved for a leave of absence in order to receive the scholarship and, at the time of enrolment, submit the corresponding documentation certifying the attainment of said leave of absence. On the other hand, if the applicant has not received a leave of absence from the company or private entity, he/she does not retain the right to receive a scholarship: in this case, the implementation of the Ph.D. must be structured as a programme in partnership with the company or private entity (Executive Ph.D., art. 1).

Ph.D. students holding scholarships awarded by the Politecnico di Milano, be they from funds allocated by ministerial decrees or from University funds or from funds disbursed by public or private institutions, shall be exempted from payment university taxes and tuition fees.

In addition to and in compliance with Article 8 of the Decree of the Premier of 9.4.2001, candidates who receive scholarships from autonomous regions or provinces, or foreign students receiving scholarships from the Italian government – within the ambit of programs for development cooperation and cultural and scientific inter-governmental agreements, as well as any relative periodical executive programs – are exempted from the payment of registration taxes and university fees.

These beneficiaries are nevertheless obliged to pay the regional tax for student benefits and grants, insurance and administrative expenses amounting to Euro 144.20, to be made before expiry of the first instalment and according to the procedures outlined in art. 9.

Students with a disability of at least 66% are also exempted from payment of enrolment and tuition fees, apart from the above payment of Euro 144.20.

If a Ph.D. student, during the programme, renounces the scholarship, the same in its total or residual amount will be assigned to the first student in the same cycle and Ph.D. programme without a scholarship, according to their ranking, taking into account eligibility for topic scholarships.

Replacement PhD students, in order to benefit from the scholarship, must accept the topic and conditions associated with the scholarship awarded.

For each year of enrolment, regional taxes, accident insurance premiums, stamp duties and any taxes foreseen by current legislation are automatically deducted from the scholarship amount.

Ph.D. students admitted without a scholarship are required to pay the first and second instalment of taxes and tuition fees, respectively amounting to Euro 618.20 and Euro 882.00, submitting the receipt of payment to the Ph.D. Registrar's Office.

The amount due for taxes and tuition fees may be adjusted on an annual basis.

#### **Art. 11**

##### **(Compulsory attendance and enrolment in subsequent years)**

Each year Ph.D. students are subjected to an examination to be admitted to the next year.

If the exam is passed an admission assessment of A, B, C or D is given.

If the exam is not passed, the Ph.D. student will be defined as Repeating or Not Eligible to continue the Ph.D. programme: in both cases, the scholarship will be revoked.

In the annual exam of the third year the Ph.D. student will be assessed for admission to the final exam with the external Commission. Should the student have achieved satisfactory results, but needs additional time for preparation of the thesis, he/she may obtain an extension of 6 or 12 months, with payment of the fee of Euro 144.20.

At the beginning of each year, Ph.D. students admitted without a scholarship are required to pay the first and second instalment of taxes and tuition fees, respectively amounting to Euro 618.20 and Euro 882.00, submitting the receipt of payment to the Ph.D. Registrar's Office.

The amount due for taxes and tuition fees may be adjusted on an annual basis.

Enrolled students are required to attend the Ph.D. programmes and must continually – on a full-time basis (with the exception of those registered in Executive Ph.D. programmes) – implement study and research activities within the facilities assigned for this purpose, in accordance with the procedures determined by the Faculty Committee.

#### **Art. 12**

##### **(Common rules)**

Multiple enrolments in more than one Ph.D. programme at the Politecnico di Milano or another University are prohibited. Applicants obtaining admission to several Ph.D. programmes must opt for enrolment in one of these and will be excluded from all other rankings in which he/she was admitted or eligible. Multiple registrations in a Ph.D. programme and a Bachelor of Science programme or a Master of Science programme or at a Graduate School or in a specialisation programme or University Master programme are prohibited.

Those enrolled in Specialization Schools and who are accepted to attend a Ph.D. programme must suspend their current specialization studies until the Ph.D. programme is completed.

Successful applicants may perform a limited amount of fixed-term contract activity in support of teaching and research within the University.

#### **Art. 13**

##### **(Attainment of the Ph.D. qualification)**

The qualification of PhD is awarded after passing the final examination which may be repeated once only. The Ph.D. thesis can be written in a foreign language with the approval of the Academic Board

The results are confirmed by a Commission whose establishment is determined by MD no. 224 of 30.04.1999 and the regulations pertaining to Ph.D.s of this University.

The qualification is awarded by the Rector of Politecnico di Milano.

**Art. 14**  
**(Reference regulations)**

For all that is not explicitly mentioned in this call, reference is made to the regulations contained in Law no. 398 of 30.11.1989, in Law no. 210 of 3.7.1998, in MD no. 224 of 30.04.1999, in Law no. 240 of 30.12.2010, in the Regulations of the Politecnico di Milano pertaining to Ph.D. programmes, in the University Regulations on industrial property rights, as well as any other applicable provisions issued within current legislation.

For any further information, interested parties may contact the PhD Registrar – Via Golgi 42- 20133 Milan, Italy (*Monday to Friday from 9.30 am to 12.30 pm*) or via e-mail ([dottorato.ricerca@polimi.it](mailto:dottorato.ricerca@polimi.it); [internationalphd@polimi.it](mailto:internationalphd@polimi.it)) or via fax (+39 02 2399.9700).

This call will be sent to the Ministry of Education, Universities and Research and will be published in the Official Gazette of the Italian Republic. It may also be consulted at the website, "28th cycle Ph.D. call - 2012/2013" <http://www.ricerca.polimi.it/index.php?id=4731>

Any amendments or supplements to the call will be announced via the website:

<http://www.ricerca.polimi.it/index.php?id=4731>

Milan, 30<sup>th</sup> March 2012

**THE RECTOR**  
**Prof. Giovanni Azzone**