

## THE RECTOR

**CONSIDERING** art. 4 of Law July 3 1998, no. 210;

**CONSIDERING** the ministerial decree of April 30 1999, no. 224, "*Regolamento recante norme in materia di Dottorato di ricerca*" (Regulations regarding research doctorates);

**CONSIDERING** the ministerial decree no. 270 of October 22 2004 regarding the modifications of the regulations concerning the educational autonomy of universities, approved with the ministerial decree 509/1999;

**CONSIDERING** the rectorial decrees no. 8638 of June 4 2004 and no. 13275 of February 16 2006 by which the Postgraduate Research School in Sciences was established;

**CONSIDERING** the regulations of the Research Doctorate courses of Bicocca University of Milan, issued through the rectorial decree no. 025436 of 4 May 2009;

**CONSIDERING** the statute of the Bicocca University of Milan, issued by rectorial decree no. 20723 of December 19 2007 and published in the ordinary supplement no. 20, Official Gazette General Series no. 19 of January 23 2008;

**CONSIDERING** the resolutions of the Senate of the Bicocca University of Milan passed at the meetings held on April 6 2008, May 11 and June 8 2009 related to the establishment of research doctorate courses – 25th Cycle – with administrative offices at the Bicocca University of Milan;

**CONSIDERING** the resolution of the Board of Directors of the Bicocca University of Milan passed at the meeting held on April 21 2009 related to the funding of grants for the research doctorate courses – 25th Cycle;

**CONSIDERING** the rectorial decree no. 0025472 of May 6 2009 by which the grants from the Fondo Giovani (Youth Fund) 2008 were assigned to the Research Doctorate courses;

**CONSIDERING** the rectorial decree no. 0025809 of June 19 2009 which established the research doctorate courses (25th Cycle) with administrative offices at the Bicocca University of Milan;

**CONSIDERING** the resolutions of the Board of Directors of the Bicocca University of Milan passed at the meeting held on February 24 and March 24 2009 related to taxes and subsidies for the research doctorate courses for the academic year 2009/2010;

**CONSIDERING** the resolution of the Board of Directors of the Bicocca University of Milan passed at the meeting held on June 24 2008 related to the admission grants for non-EU citizens who are resident abroad;

## DECREES

### Art.1

The public competitions for admission to Research Doctorate courses (25th Cycle) which are organised by the Postgraduate Research School in Sciences, at the Bicocca University of Milan, are hereby announced.

For each course, specific details are given of its duration (number of years), the overall number of available places, the number of study grants, the criteria for the allocation of non-assigned grants due to the lack of suitable candidates in the lists or in the case of renunciation of a course of the same doctorate which is different from that provided for by the said notice of competition, the entrance test procedures, the possibility of extra places provided for specific categories, the possibility for each candidate to choose whether to take the exams in Italian or another language.

<b>Biology</b> <b>Code 48R</b>	
<b>Department</b>	Biotechnologies and Biosciences
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	6 ordinary places
<b>Grants</b>	3 funded by Bicocca University of Milan
<b>Procedures for entrance exams</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or English
<b>Timetable of exams</b>	Written exam: November 18 2009 10.00 am at Departement of Biotechnologies and Biosciences Ed. U3 Piazza della Scienza, 2 - Milan Oral exam: November 20 2009 3.00 pm at Departement of Biotechnologies and Biosciences Ed. U3 Piazza della Scienza, 2 - Milan
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	Prof. Paolo Tortora - Dip. di Biotecnologie e Bioscienze - Piazza della Scienza, 2 – 20126 Milan Tel. 02/64483401. Appointment to be previously arranged by phone.
<b>Foreign language requested</b>	English (knowledge will be tested during the oral exam)
<b>Contact details for information about teaching</b>	Prof. Paolo Tortora e-mail: <a href="mailto:paolo.tortora@unimib.it">paolo.tortora@unimib.it</a> tel 02/6448.3401

<b>INDUSTRIAL BIOTECHNOLOGY</b>	
<b>Code 15R</b>	
<b>Department</b>	Biotechnologies and Biosciences
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	10 ordinary places + 2 extra places
<b>Grants</b>	5 of which 3 are funded by Bicocca University of Milan, 1 by RBM SpA and 1 by Fondo Giovani (Youth Fund) 2008 Grants for predefined projects: <b>RBM:</b> <i>"Development and testing of new methods in the field of immunoenzymatic analysis"</i> <b>Fondo Giovani:</b> <i>"Human Health [the study of tumours and degenerative diseases with new approaches derived from knowledge of the human genome]"</i> .
<b>Procedures for entrance exams</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or English
<b>Timetable of exams</b>	Written exam: 18 November 2009 3.00 pm at the Dip. di Biotecnologie e Bioscienze, Ed. U3 Piazza della Scienza, 2 - Milan Oral exam: 24 November 2009 9.30 am at the Dip. di Biotecnologie e Bioscienze, Ed. U3 Piazza della Scienza, 2 - Milan
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	Isabella Mauri/ Prof. Marco Vanoni Dip. di Biotecnologie e Bioscienze - piazza della Scienza, 2 – 20126 Milano Times for submission: Tuesday from 10.00 am to 1.00 pm. Appointment to be previously arranged by phone. Tel. 02/6448.3525 (Pof. Vanoni); 02/6448.3551 (Dott.ssa Mauri)
<b>Foreign language requested</b>	English (knowledge will be tested during oral exam)
<b>Extra places</b>	1 extra place without grant is provided for non-EU citizens who are resident abroad and 1 extra place for the holder of the Marie Curie European grant

<b>Selection procedures for extra places</b>	Assessment only by qualifications: <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with indications regarding participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Contact details for information about teaching</b>	Prof. Marco Vanoni e-mail: <a href="mailto:marco.vanoni@unimib.it">marco.vanoni@unimib.it</a> or Isabella Mauri e-mail <a href="mailto:isabella.mauri@unimib.it">isabella.mauri@unimib.it</a> fax 02/6448.3565

<b>PHYSICS AND ASTRONOMY</b>	
<b>Code 30R</b>	
<b>Department</b>	"G. Occhialini" Department of Physics
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	16 ordinary places + 2 extra places
<b>Courses</b>	<ol style="list-style-type: none"> <li>1. Theoretical Physics</li> <li>2. Subnuclear Physics</li> <li>3. Astrophysics</li> <li>4. Condensed matter physics and biophysics</li> <li>5. Technological Physics</li> </ol>
<b>Grants</b>	<p>8 of which 5 are funded by Bicocca University of Milan, 1 by the Fondo Giovani (Youth Fund) 2008, 2 by INFN.</p> <p>The Fondo Giovani study grant is allocated for a research project to be carried out on the theme of <i>"Advanced materials [in particular ceramics] for structural applications"</i></p>
<b>Entrance exam procedures</b>	<p>Qualifications and exams (written and oral)</p> <p>The candidate can choose to do the exams in Italian or English</p>
<b>Timetable of exams</b>	<p>Written exam: 10 November 2009, 9.00 am at the Dip. Di Fisica "G. Occhialini" Ed. U2, Piazza della Scienza, 3 – 20126 Milan</p> <p>Oral exam: 11 November 2009, 3.00 pm at Dip. Di Fisica "G. Occhialini" Ed. U2, Piazza della Scienza, 3 – 20126 Milan</p>
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> </ul>

	- Publications up to 5 points
<b>Secretary's office for submission of qualifications</b>	Mrs Vera Foschi - Dipartimento di Fisica "G. Occhialini" - Ed. U2, Piazza della Scienza, 3 – 20126 Milan Tel. 02/ 6448.2346 Appointment to be previously arranged by phone.
<b>Foreign language requested</b>	English (knowledge will be tested during oral exam)
<b>Extra places</b>	2 extra places without study grants are provided for non-EU citizens who are resident abroad
<b>Selection procedures for extra places</b>	Assessment only by qualifications: <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Contact details for information about teaching</b>	Prof. Claudio Destri e-mail: <a href="mailto:claudio.destri@mib.infn.it">claudio.destri@mib.infn.it</a> Tel. 02/6448.2539

<b>COMPUTER SCIENCE</b>	
<b>Code 22R</b>	
<b>Department</b>	Department of Computing, Systematics and Communication
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	12 ordinary places + 1 extra place
<b>Grants</b>	6 of which 5 are funded by Bicocca University of Milan and 1 by Once Printing System. This study grant is allocated for a research project to be carried out on the theme of <i>"Image quality assessment for digital documents"</i> .
<b>Entrance exam procedures</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or English
<b>Timetable of exams</b>	Written exam: 27 October 2009 10.00 am at Ed. U14 room T014 Viale Sarca, 336 - 20126 Milan Oral exam: 28 October 2009 10.00 am at Ed. U14 room T014 Viale Sarca, 336 - 20126 Milan
<b>Assessment of qualifications</b>	- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective

	marks, participation in specialist schools, courses) up to a maximum of 15 points - Publications up to 5 points
<b>Secretary's office for submission of qualifications</b>	Paola Lembo Ed. U14 viale Sarca, 336 - 20126 Milan tel. 02/6448.7820 Times for submission: from Monday to Friday from 9.00 am to 1.00 pm Appointment to be previously arranged by phone.
<b>Foreign language requested</b>	English (knowledge will be tested during the oral exam)
<b>Extra places</b>	1 place without a grant is available for non-EU citizens who are resident abroad. For admission to the extra place, candidates must pass the above-mentioned exams. If the list of ordinary places should be completed and a study grant from Bicocca University of Milan has not been awarded, the grant may be awarded to a non-EU citizen who has won an extra place without a study grant.
<b>Contact details for information about teaching</b>	Prof. Stefania Bandini e-mail <a href="mailto:stefania.bandini@unimib.it">stefania.bandini@unimib.it</a> tel. 02/6448.7885 fax 02/6448.7809

<b>PURE AND APPLIED MATHEMATICS</b>	
<b>Code 23R</b>	
<b>Department</b>	Department of Pure and Applied Mathematics
<b>Associated universities</b>	Università Cattolica del Sacro Cuore
<b>Duration</b>	3 years
<b>Places</b>	9 ordinary places + 4 extra places
<b>Grants</b>	5 of which 4 are funded by Bicocca University of Milan and 1 by the Università Cattolica del Sacro Cuore. N.B. The grant from the Catholic University of the Sacro Cuore can only be allocated in the case of definitive approval of the funding from the academic bodies of the university within the date of the first entrance exam. Otherwise, the number of ordinary places available will fall to 8 of which 4 have study grants.
<b>Entrance exam procedures</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or English

<b>Timetable of exams</b>	Written exam: 26 October 2009 2.00 pm in Room 3014 Ed. U5 Via Cozzi, 53 – 20125 Milan Oral exam: 29 October 2009 10.00 am in Room 3014 Ed. U5 Via Cozzi, 53 – 20125 Milan
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	Ada Osmetti - Dipartimento di Matematica e Applicazioni Via Cozzi, 53 Ed. U5 2nd floor – 20125 Milan Tel 02/6448.5755 from Monday to Friday from 9.00 am to 3.00 pm (Appointment to be previously arranged by phone)
<b>Foreign language requested</b>	English (knowledge will be tested during oral exam)
<b>Extra places</b>	2 places are provided for winners of the Marie Curie grants and 2 extra places without study grants for non-EU citizens who are resident abroad
<b>Selection procedures for extra places</b>	<p>Assessment only by qualifications:</p> <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul> <p>If the list of ordinary places should be completed and one of the study grants funded by Bicocca University of Milan should not be awarded, it can be awarded to the first non-EU citizen who has won an extra place without a study grant.</p>
<b>Contact details for information about teaching</b>	Prof. Gianmario Tessitore e-mail: <a href="mailto:gianmario.tessitore@unimib.it">gianmario.tessitore@unimib.it</a> tel 02/6448.5726

<b>NANOSTRUCTURES AND NANOTECHNOLOGIES</b>	
<b>Code 33R</b>	
<b>Department</b>	Department of Materials Science
<b>Associated universities</b>	Università di Roma "Tor Vergata"
<b>Duration</b>	3 years
<b>Places</b>	8 ordinary places + 1 extra place
<b>Grants</b>	4 of which 2 are funded by Bicocca University of Milan, 1 by the Fondo Giovani (Youth Fund) 2008 and 1 by the Università di Roma "Tor Vergata" The Fondo Giovani grant involves carrying out a research project on the theme of " <i>Energy saving and microgeneration supplied</i> "
<b>Entrance exam procedures</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or English
<b>Timetable of exams</b>	Written exam: 4 November 2009 2.00 pm at Aula seminari Ed. U5 Via Cozzi, 53 – 20125 Milan Oral exam: 6 November 2009 9.00 am at Aula seminari Ed. U5 Via Cozzi, 53 – 20125 Milan
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	Maria Cristina Fassina - Dip. di Scienza dei Materiali Via Cozzi, 53 – 20125 Milan tel 02/6448.5029 - fax 02/ 6448.5400 Times for submission: Monday to Friday from 9.00 am to 1.00 pm Appointment to be previously arranged by phone.
<b>Foreign language requested</b>	English (knowledge will be tested during oral exam)
<b>Extra places</b>	1 extra place is available for non-EU citizens who are resident abroad. If the list of ordinary places should be completed and one of the study grants funded by Bicocca University of Milan should not be awarded, it can be awarded to the first non-EU citizen who has won an extra place without a study grant.
<b>Selection procedures for extra places</b>	Assessment only by qualifications: <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree</li> </ul>

	dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points - Publications up to 5 points
<b>Contact details for information about teaching</b>	Prof. Marco Bernasconi e-mail: <a href="mailto:marco.bernasconi@unimib.it">marco.bernasconi@unimib.it</a> Tel 02/6448.5231 Fax 02/6448.5400

<b>ENVIRONMENTAL SCIENCES</b>	
<b>Code 09R</b>	
<b>Department</b>	Department of Environmental Sciences
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	6 ordinary places + 1 extra place
<b>Grants</b>	3 of which 2 are funded by Bicocca University of Milan and 1 by Foundation AEM
<b>Courses</b>	1. General Course (5 places of which 2 have study grants) 2. Project-based course (1 place with study grant restricted to research project on the theme of " <i>Hydrological balance and ecological effects of the variation of flows in a catchment basin</i> ".  There are separate entrance lists for each of the courses. Candidates are not entitled to take the entrance exam of more than one course.
<b>Entrance exam procedures</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or English
<b>Timetable of exams</b>	Written exam: 4 November 2009, 9.00 am in Aula Marchetti Ed. U1, Piazza della Scienza, 1 – 20126 Milan Oral exam: 5 November 2009, 9.00 am in Aula Marchetti Ed. U1 Piazza della Scienza, 1 – 20126 Milan
<b>Foreign language requested</b>	English (knowledge will be tested during the oral exam)
<b>Assessment of qualifications</b>	- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points - Publications up to 5 points
<b>Secretary's office for</b>	Pasquale Frusciante - Dipartimento di Scienze dell'Ambiente e del Territorio

<b>submission of qualifications</b>	Piazza della Scienza, 1 20126 Milan Tel 02/6448.2947 Appointment to be previously arranged by phone.
<b>Extra places</b>	1 extra place without is provided for non-EU citizens who are resident abroad
<b>Selection procedures for extra places</b>	Assessment only by qualifications: <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, career and exams taken) up to a maximum of 15 points</li> <li>- Publications and letters of introduction up to a maximum of 5 points</li> </ul>
<b>Contact details for information about teaching</b>	Prof. Marco Vighi e-mail: <a href="mailto:marco.vighi@unimib.it">marco.vighi@unimib.it</a> tel 02/6448.2741 fax 02/ 6448.2795

<b>MATERIALS SCIENCE</b>	
<b>Code 08R</b>	
<b>Department</b>	Department of Materials Science
<b>Associated universities</b>	Universities which are members of the European Network in the Physics and Chemistry of Advanced Materials: Università degli Studi di Milano, Autonoma di Madrid (SP), Basque Countries (SP), St. Andrews (GB), Ruhr(G), Kaunas (LIT), South Denmark (DK), Jagellonian (POL)
<b>Duration</b>	3 years
<b>Places</b>	12 ordinary places + 1 extra place
<b>Courses</b>	<ol style="list-style-type: none"> <li>1. General</li> <li>2. Industrial</li> </ol>
<b>Grants</b>	<p>7 of which 3 are funded by Bicocca University of Milan, 1 by the Fondo Giovani (Youth Fund) 2008 and 3 by Corimav</p> <p>N.B. The CORIMAV grants will only be awarded if agreement is finalised by the date of the first entrance exam. Otherwise, the industrial course will not go ahead with a consequent reduction in the number of places available.</p> <p>Grants for predefined projects:</p> <p><b>Corimav grants:</b> 1) <i>Calculation of excited state properties and transportation in organic and organometallic molecules due to the photovoltaic effect.</i></p> <p>2) <i>Catalytic materials for filtering antiparticles.</i></p>

	<p>3) <i>Environmentally compatible and pneumatic materials [recyclable materials and surface treatment of fibres].</i></p> <p><b>Fondo Giovani 2008 grant:</b> <i>Advanced manufacturing systems with an impact not only on the machine tool industry but also on the Italian manufacturing sector such as textiles, clothing, instrumental mechanics</i></p> <p>Moreover, if the PANDORA project presented to the CARIPLO foundation for the economic support of this doctoral course is approved (and the outcome of the application will be known in October), the grants will be adjusted to the minimum fee for the research grant (16,138.00 euros).</p>
<b>Entrance exam procedures</b>	<p>Qualifications and exams (written and oral)</p> <p>The candidate can choose to do the exams in Italian or English</p>
<b>Timetable of exams</b>	<p>Written exam: 3 November 2009, 2.00 pm in the Aula Seminari Ed. U5, Via Cozzi, 53 – 20125 Milan</p> <p>Oral exam: 5 November 2009, 9.00 am in the Aula Seminari Ed. U5 Via Cozzi, 53 – 20125 Milan</p>
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	<p>Maria Cristina Fassina - Dip. di Scienza dei Materiali - Via Cozzi, 53 – 20125 Milan tel 02/ 6448.5029 - fax 02/6448.5400</p> <p>Times for submission: from Monday to Friday from 9.00 am to 1.00 pm</p> <p>Appointment to be previously arranged by phone.</p>
<b>Foreign language requested</b>	<p>English (knowledge will be tested during oral exam)</p>
<b>Extra places</b>	<p>1 place with study grant is provided for non-EU citizens who are resident abroad. The Board of Examiners will assess which grant to award among those indicated above on the basis of the winner's curriculum. If the grant should not be awarded due to a lack of suitable candidates, it will be added to those for the General and Industrial Course.</p>
<b>Selection procedures for extra places</b>	<p>Assessment only by qualifications:</p> <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a</li> </ul>

	<p>maximum of 15 points</p> <ul style="list-style-type: none"> <li>- Publications and letters of introduction up to a maximum of 5 points</li> </ul>
<b>Contact details for information about teaching</b>	<p>Maria Cristina Fassina e-mail: <a href="mailto:mariacristina.fassina@mater.unimib.it">mariacristina.fassina@mater.unimib.it</a> tel 02/ 6448.5029 – fax 02/6448.5400</p>
<b>Notes</b>	<p>All doctoral students are required to undertake at least 6 months of their research in a scientific institution abroad. Those who attend one of the foreign associated universities can obtain a supplementary diploma according to the procedures defined in the agreement.</p>

<b>CHEMISTRY</b>	
<b>Cod. 18R</b>	
<b>Department</b>	Scienza dei Materiali (Department of Materials Science)
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	4 ordinary places
<b>Courses</b>	<ol style="list-style-type: none"> <li>1. Chemistry of bioactive compounds</li> <li>2. Chemistry and the Environment</li> <li>3. Chemistry and Materials</li> </ol>
<b>Grants</b>	2 funded by Bicocca University of Milan
<b>Entrance exam procedures</b>	<p>Qualifications and exams (written and oral)</p> <p>The candidate can choose to do the exams in Italian or English</p>
<b>Timetable of exams</b>	<p>Written exam: 2 November 2009 9.00 am in the Aula Seminari Ed. U5, Via Cozzi, 53 – 20125 Milan</p> <p>Oral exam: 3 November 2009 9.00 am in the Aula Seminari Ed. U5 Via Cozzi, 53 – 20125 Milan</p>
<b>Assessment of qualifications</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	<p>Maria Cristina Fassina - Dip. di Scienza dei Materiali - Via Cozzi, 53 – 20125 Milan tel 02/ 6448.5029 - fax 02/6448.5400</p> <p>Times for submission: from Monday to Friday from 9.00 am to 1.00 pm</p> <p>Appointment to be previously arranged by phone.</p>

<b>Foreign language requested</b>	English (knowledge will be tested during oral exam)
<b>Contact details for information about teaching</b>	Maria Cristina Fassina e-mail: <a href="mailto:mariacristina.fassina@mater.unimib.it">mariacristina.fassina@mater.unimib.it</a> tel 02/6448.5029 fax 02/6448.5400

<b>EARTH SCIENCES</b>	
<b>Code 61R</b>	
<b>Department</b>	Department of Geological Sciences and Geotechnologies
<b>Associated universities</b>	
<b>Duration</b>	3 years
<b>Places</b>	4 ordinary places +1 extra place
<b>Grants</b>	2 funded by Bicocca University of Milan
<b>Entrance exam procedures</b>	Qualifications and exams (written and oral) The candidate can choose to do the exams in Italian or in English, French, German or Spanish. The oral exam will include a map reading test of a geological map assigned to each candidate by drawing lots.
<b>Timetable of exams</b>	Written exam: 3 November 2009, 9.00 am in Room 2034 Ed. U4 Piazza della Scienza, 4 – 20126 Milan Oral exam: 4 November 2009, 9.00 am in Room 2034 Ed. U4 Piazza della Scienza, 4 – 20126 Milan
<b>Assessment qualifications of</b>	<ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree dissertation, degree mark, list of exams taken with respective marks, participation in specialist schools, courses) up to a maximum of 15 points</li> <li>- Publications up to 5 points</li> </ul>
<b>Secretary's office for submission of qualifications</b>	Angela Sanna, Dip. di Scienze Geologiche e Geotecnologie, Piazza della Scienza, 4 – 20126 Milan e-mail <a href="mailto:angela.sanna@unimib.it">angela.sanna@unimib.it</a> Tel. 02/6448.2022 Appointment to be previously arranged by phone.
<b>Foreign language requested</b>	English, French, German and Spanish (knowledge will be tested during the oral exam)
<b>Posti sovranumerari</b>	1 place without study grant is provided for non-EU citizens who are resident abroad.
<b>Selection procedures for extra places</b>	Assessment only by qualifications: <ul style="list-style-type: none"> <li>- University career of the candidate (type of degree, degree</li> </ul>

	<p>dissertation, degree mark, career and exams taken) up to a maximum of 15 points</p> <ul style="list-style-type: none"> <li>- Letters of introduction (max 2) up to a maximum of 5 points</li> <li>- Publications up to maximum of 5 points</li> </ul>
<b>Contact details for information about teaching</b>	<p>Angela Sanna, Dip. di Scienze Geologiche e Geotecnologie Piazza della Scienza, 4 – Milan e-mail <a href="mailto:angela.sanna@unimib.it">angela.sanna@unimib.it</a> tel. 02/64482022 fax 02/6448.2073</p>

If it does not prove possible to assign the grants funded by Bicocca University of Milan which are not restricted to a specific research project due to the lack of candidates in the respective classification list, except what expected by each course for extra-places, the following procedures will be followed:

The grants will be assigned according to a general classification list of merit, compiled on the basis of the score obtained in the competitive examination for admission, and formed by all those who are already enrolled - and without study grants - in the various doctoral courses run by the Graduate School.

The number of study grants can be increased with funding by public or private bodies as long as notification is provided by the date of the first exam. The increase in the number of study grants may lead to an increase in the overall number of places on offer. The failure to finalise agreements with public and private bodies within the prescribed times will lead to grants not being assigned and, as a consequence, the reduction in the overall number of places on offer.

In accordance with and according to the procedures provided for in article 7, paragraph 2 of the Regulations of the Research Doctorate course of the university, no more than two holders of research posts can be admitted for extra places without study grants.

#### **Art. 2**

##### **(Admission requirements)**

Candidates who wish to apply to take part in the competition for admission to the research doctorate courses must have a degree attained in accordance with the regulations that existed prior to the ministerial decree 509/99 or a second level degree attained in Italy or academic qualification (overall duration 4 or 5 years) awarded abroad and previously recognised as suitable by the University Teaching Staff. Those who gain the aforementioned qualifications within the date of the first exam may also apply for admission.

#### **Art. 3**

##### **(Applications for admission)**

In order to take part in the entrance exam, all the candidates (Italians and foreigners) - with the exception of those who have obtained their qualifications abroad – must present their application on a computerised form either via internet or via the SIFA self-service terminals situated in the premises of the Bicocca University of Milan by and **not after the final date of October 9 2009 at 12.00 pm.**

The candidate must observe the following procedures:

If the candidate uses the SIFA self – service from SIFA ON LINE, select:

- ***accesso ai servizi SIFA (access to SIFA services)***

If the candidate uses a personal computer, select the following heading from the web site of Bicocca University [www.unimib.it](http://www.unimib.it):

- **SIFA e segreterie studenti (SIFA and student secretarial offices)**
- **Accesso diretto a SIFA on line (Direct access to SIFA on line)**

If this is the first time that you have accessed the system, you must register your personal data and observe the following procedures:

- **Area Riservata Registrazione (Registration to restricted access area)**

Following the instructions of the SIFA, candidates must provide the following information: personal data, permanent address, habitual address, telephone number.

All students should observe the following procedure:

- **Area Riservata – Login (Restricted access area –login)**

After logging in, proceed as follows:

- **Area Registrato – Ammissione (Registered Area – Admission)**
- **Concorso d'ammissione – Iscrizione (Admission exam – Registration)**
- **Tipi di corso di studio – Corso di Dottorato (Type of course – Doctoral Courses)**

After selecting the desired Doctoral course, select:

- **Iscriviti (Enrolment for the exam)**

After completing this procedure, use the special key to print out the application form which shall include the electronic MAV bill of € 50.00 as a contribution towards expenses which can be paid at any branch of all banks. Payment must be made by **09/10/2009, failure to do so shall result in exclusion from the entrance examination**. If it should prove necessary, it is possible to print out the receipt again by reconnecting to the SIFA.

This payment must be made for each application presented. If, where this is allowed, applications are presented for more than one course of the same Doctoral Course, only one payment needs to be made.

Receipt of the payment should be kept carefully by the person concerned. The University Administration reserves the right to ask for written proof of the payment.

In the case that the candidate does not participate in the entrance examination, the aforementioned registration fee cannot be reimbursed.

Candidates in possession of qualifications obtained abroad must present the application in accordance with the procedures specified in art. 4.

In accordance with law no. 104/92 modified by law no. 17/99, candidates with disabilities are entitled to extra time and/or assistance with the completion of the competition exam. For this purpose, as well as making an explicit request to this effect in the admission application, it is necessary to provide medical documentation certifying the validity of the request. These documents and certificates must reach, by the date of closure of the notice of competition, the following office for doctoral research: Research doctorate office - Student's Secretarial Office, Via Temolo, 3 - 20126 Milan.

In accordance with art. 75 of the Decree of the President of the Italian Republic no. 445/2000, if the university administration offices should discover, on the basis of appropriate checks, that the information declared by the candidate is incorrect or false, the declarant shall forfeit any benefits obtained by the legislative measure on the basis of false declarations.

The university administration declines all responsibility in the case of loss of documents, caused by inaccurate information regarding the permanent or habitual address of the candidate, by the failure of the candidate to inform the university of a change of address, or due to postal or telegraphic errors which are not attributable to the University Administration's offices.

#### **Art. 4**

##### **(Regulations for foreign citizens and graduates with degrees attained abroad)**

Candidates who possess a foreign academic qualification must present a written application in accordance with the form enclosed with this notice of competition.

In the application, it is necessary to specify whether the applicant intends to compete for ordinary places or extra places, if provided for and with respect to the stated requirements. It is not possible to participate in both types of selection procedures.

If the foreign degree has already been declared equivalent to the Italian degree, candidates must indicate the name of the Italian university and the date of the rectorial decree in which equivalence is stated.

If the foreign degree has not already been declared equivalent to an Italian degree, candidates must make an explicit request in the application to participate in the competition, with the sole purpose of admittance to the chosen Research Doctorate course. The application must be accompanied by the following documents:

- an authenticated copy of the qualification,
- a sworn translation of the said qualification with legal authentication of the relevant authorities in the country that issued the qualification,
- a declaration of its value in the said country issued by the relevant Italian Diplomatic Representation for the area,
- all the documents that are necessary for the University Teaching Staff to declare its equivalence.

All documents that are presented may be in Italian or English. Official documents must be accompanied by an official translation in Italian together with legal authentication from the relevant authorities.

##### **A. European Community citizens and non-EU citizens legally resident in Italy**

European Community citizens and non-EU citizens legally resident in Italy in accordance with art. 26 of Law. no. 189 of 30/07/2002 must deliver the written applications and the prescribed documentation personally to the Foreign students' Office of the Students' Secretarial Office, Via Temolo, 3 - 20126 Milan, or via recorded delivery within the closing date of the notice of competition, together with the receipt of payment of €50,00 in accordance with art. 3.

Payment of the participation fee may also be made according to the following procedures:

- by credit card using the web site <http://scrigno.popso.it/PagoFacile/> (stating type of payment MOD.62);
- by credit transfer to the bank account of Bicocca University: Università degli Studi di Milano – Bicocca,

Piazza dell'Ateneo Nuovo, 1 – 20126 Milan, at:

- o Banca Popolare di Sondrio
- o Agenzia n. 29 Bicocca
- o Piazza della Trivulziana, 6 - 20126 Milano
- o ABI 05696 CAB 01628 C/C 000000150X21
- o CIN Y
- o IBAN IT82 Y056 9601 6280 0000 0150 X21

In the description of payment, it is necessary to provide the following information:

- a. Payment code: 62
- b. Name and surname
- c. Name of research doctorate course

The following are considered equivalent to EU citizens:

- the citizens of Norway, Iceland and Liechtenstein
- the citizens of Switzerland
- the citizens of the Republic of San Marino

B. Non-EU citizens who are resident abroad

Foreign non-EU citizens who are resident abroad must present the application and the prescribed documentation to the relevant Italian Diplomatic Representation for the area which must deliver the material to the university within the final date of **October 9 2009**.

Non-EU citizens who are resident abroad are exempted from payment of the fee of 50.00 Euros for participation in the competitive examination.

The matriculation of non-EU residents resident abroad must be completed by the closing date indicated in the notice of admission, or otherwise forfeit their right. For the purposes of matriculation, non-EU candidates must present a visa or a residence permit.

**In case of postal delivery, THE POSTMARK SHALL HAVE NO VALIDITY.**

**Art. 5  
(Admission examinations)**

The admission examination shall take place according to the procedures described in article 1.

A total of 60 points can be awarded at the exam. In order to be eligible for the course, the candidate must score a mark of at least 40/60 in this examination. If the exam is subdivided into two parts, a maximum of 30 points shall be awarded both for the written exam and the oral exam; eligibility for each part is provided by a mark of not less than 20/30.

Where provided for, the exam marks can be supplemented, in accordance with the decision of the University Teaching Staff, by the assessment of the candidates' qualifications up to a maximum of 20 points. The assessment of the qualifications is carried out by the Judging commission prior to the oral exam and, if preceded by the written exam, prior to the correction of the said exam. The final mark is provided by the total, given in sixtieths, of the marks obtained in the written exam and the oral exam or by the marks obtained in the single exam if it is a single one. In the case of selection by qualifications and exams, the assessment of the qualifications is added to that mark and the final mark is expressed in eightieths.

**Publication of the date of the examinations, as described in article 1, has the value of notification for all practical purposes.**

In order to take the examination, candidates must produce one of the following documents for recognition purposes;

- a) identity card;
- b) passport;
- c) driving licence;
- d) identity card issued by post office;
- e) personal railway card (if the candidate is a state employee).

#### **Art. 6 (Qualifications)**

The qualifications, presented either in original copy or authenticated duplicates, shall be returned, on request of the person concerned, after 120 days of publication of the classification lists, unless a contentious procedure is under way. The candidates shall undertake, at their own responsibility and expense, to retrieve the qualifications presented to the university within six months of the completion of the examination; after this date, the university administration's offices shall not be held responsible for the conservation of the aforesaid qualifications.

#### **Art. 7 (Examining boards)**

The examining boards for the entrance examinations for the Research Doctorate Courses shall be formed and appointed in conformity with existing legislation.

#### **Art. 8 (Classification list and enrolment procedures)**

The classification list of merit of the candidates contains the overall marks of each candidate shown in decreasing order and is published in the official notice board of the university and on the university's web site [www.unimib.it](http://www.unimib.it).

Candidates are admitted to the course according to their order in the classification list and until the completion of the number of places available in the competition. The failure to complete the matriculation procedures within 15 days after the day of publication of the classification list leads to the forfeiture of the right to gain admittance to the course. In this case, those places that remain vacant shall be assigned to those who have the next highest position in the classification list of merit.

The same thing happens if one of the admitted candidates should give up the course within two months of it starting. In the case in which the person who gives up a place is the beneficiary of a study grant, he or she is not required to pay back those instalments that have already been received. The University shall undertake to reassign the remaining part of the grant to another doctoral student already enrolled on the course who does not have a grant, according to the order of the admission list.

If the candidate has a high placement on more than one classification list, he or she must choose just one doctoral course.

For matriculation, candidates who are admitted to do the course should go to counter 18 of the Student Secretarial Office, Via Temolo, 3 - 20126 Milan (Mondays from 1.45 pm to 3.45 pm and from Tuesday to Friday from 9.00 am to 12.00 pm) within the final period of 15 days following the publication of the classification list in order to deliver the following documents:

- Application for enrolment in the first year of the Doctorate Course;
- Receipt of the payment in accordance with art. 10 (only for those who are not grant-holders);
- Passport-sized photo.

Enrolment for a research doctorate is incompatible with enrolment with any other course at this or any other university.

#### **Art. 9 (Study grants)**

A study grant of a value not less than that established by the relevant legal provisions shall be assigned to successful candidates according to the order of the classification list. For the academic year 2009/2010 this sum amounts to €. 13,638.47 gross per annum (8.57% shall be deducted from this figure as a National Insurance Contribution to be borne by the grant-holder).

In the case of equal merit, the assessment of the economic situation calculated according to the Decree of the Prime Minister of April 9 2001 shall prevail. In the case of further parity, the younger candidate shall prevail.

The study grant will be increased for a period of study abroad by 50%.

The grant starts from the beginning of teaching activities and is paid in deferred monthly instalments.

In accordance with the provisions of article 12, paragraph 7 of the Regulations of Research Doctorate courses, the study grant is compatible with other sources of personal income as long as they do not exceed the ceiling which is indicated annually by the University Board. For the calendar year 2010, the income ceiling has been fixed at €. 15,000.00.

The grants cannot be added to other study grants awarded for any purpose, except for those from Italian or foreign institutions which serve to supplement the educational activities or research of the grant-holders with stays abroad.

Public employees who are admitted to the research doctorate courses and who do not have any study grant and have extended leave, maintain their National insurance and pension entitlement from the part of the civil service where they work.

#### **Art. 10 (Taxes and payments)**

Doctoral students who do not have study grants, are required to make a payment for the academic year 2009/2010 of €. 885,00 to be paid in two instalments in the following way:

- Payment of the first instalment (€. 635.00) on matriculation;
- Payment of the second instalment (€. 250.00) by May 14 2010.

To gain admission and to attend the course, doctoral students are required to pay accident insurance for a sum of € 6.96 for the academic year 2009/2010. For those who do not have study grants, the sum is included in the payment of €. 885.00. For grant-holders the said sum shall be deducted from the first grant payment.

**Art. 11**  
**(Obtaining the qualification)**

The qualification of doctor is awarded at the end of the Doctoral course after passing the final exam, which is dependent on submitting a written thesis (Doctoral Thesis) that describes original research which produces significant scientific results.

**Art. 12**  
**(Regulations concerning deferment)**

For all matters not provided for by this notice of competition, the legal provisions and regulations regarding doctoral research are valid.

**Art. 13**  
**(Personal data handling)**

With regard to the provisions in accordance with the Legislative Decree of June 30 2003, no. 196 "*Codice in materia di protezione dei dati personali*" (Code of practice regarding personal data handling) concerning the protection of persons or other subjects with regard to the processing of personal data and, in particular, to the provisions contained in article 13, the personal data provided by the candidates are gathered at the Bicocca University of Milan for the purposes of organising the competition and are also processed by computer. The processing of the data for candidates who are admitted to the course shall also continue after matriculation for purposes regarding the organisation of their university career.

Providing this data is obligatory for the assessment of the participation requirements. Failure to do so shall result in exclusion from the competition.

**Art. 14**  
**(Head of procedures)**

In accordance with Law of August 7 1990, no. 241 the head of procedures contained in this notice of competition is: Dr. Ester Tagliavini, Student's Secretarial Office, Head of Postgraduate sector (Via Temolo, 3 - 20126 Milan).

Candidates have the right to gain access to the proceedings in accordance with current legislation. The request, addressed to the Head of Procedures, shall be sent to the *Ufficio Protocollo* - piazza dell'Ateneo Nuovo, 1 - 20126 Milan.

THE RECTOR  
(Prof. Marcello FONTANESI)

Registered with no. 0026189

On July 14 2009



(This form must be used exclusively by the candidates in accordance with article 4 of this announcement of competition)

**AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO – BICOCCA  
PIAZZA DELL'ATENELO NUOVO, 1  
20126 MILANO**

The undersigned

surname			
name			
Date of birth			
Place of birth (town/city and state)			
Taxpayer's code number (for those who possess one)			
<b>RESIDENTIAL DATA</b>			
street		no.	
town/city		postcode	
province/county		state	
<b>CONTACT ADDRESS/DETAILS (if possible, in Italy)</b>			
street		no.	
town/city		postcode	
province/county		state	
tel.		mobile	
e-mail			

**hereby requests**

to participate in the public selection procedure for admission to the research doctorate course in:

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- for ordinary places
- for extra places (where provided for see announcement of competition)

To that end, in total awareness of the penalties in the case of false declarations regarding education or use of false documents referred to in art. 76 of Presidential Decree 445 of 28/12/2000

**hereby declares:**

- to be a \_\_\_\_\_ (nationality) citizen
- to possess the following university qualification:  
 \_\_\_\_\_  
 obtained on  
 (date) \_\_\_\_\_  
 marks \_\_\_\_\_  
 at the university of \_\_\_\_\_  
 city/nation \_\_\_\_\_  
 belonging to class \_\_\_\_\_ (only for those who have an Italian degree – five year degree)

Only for those who possess a foreign qualification:

- to be in possession of a foreign qualification which has been officially declared to be equivalent to an Italian degree with Rectorial Decree  
 No. \_\_\_\_\_  
 Of \_\_\_\_\_  
 University of \_\_\_\_\_
- to be in possession of a foreign qualification for which the candidate requests recognition of equivalence from the university teaching staff for the sole purpose of admission to the course
- to be disabled and require (art. 4 Law 104/1992) :
- the following assistance \_\_\_\_\_
- extra time

undertakes to provide rapid communication of any change of residence or address/telephone number/e-mail address and encloses the following (failure to do so shall result in exclusion from the course):

- receipt of the payment of €. 50.00 as provided for by the announcement of competition (NO non-EU citizens with residence abroad)
- documentation required in the announcement of competition necessary for the declaration of equivalence of a foreign qualification
- personal identity certificate issued by the Italian representation in the country of residence (ONLY for non-EU citizens with residence abroad)
- medical certification providing proof of the request (ONLY for disabled persons)

DATE

SIGNATURE

Personal data will be gathered and handled with respect for legal regulations, the principles of correctness, protection and privacy, exclusively for the purposes connected to the undertaking of institutional activities, in particular for the fulfilment of all obligations related to the full implementation of the teaching and administrative relationship with the university (Legislative Decree 30 June 2003, no. 196).