

**Public Competition for Admission to PhD Courses at the  
University of Milan  
Academic Year 2014/2015.**



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*  
*University Training and Permanent Training Division*

FUFP/2

## THE RECTOR

- considering Italian Ministerial Decree No. 270, dated 22nd October 2004, entitled "Amendments to Regulation No. 509 containing rules governing the didactic autonomy of Universities, passed by a Decree of the Minister for Universities and Scientific and Technological Research on 3rd November 1999";
- considering Article 4 of Italian Law No. 210, dated 3rd July 1998, as amended by art. 19, paragraph 1, of Italian Law No. 240 dated 30th December 2010;
- considering Italian Ministerial Decree No. 45 dated 8th February 2013, "Regulation containing the accreditation methods of the locations and PhD courses and the criteria for the foundation of PhD courses on behalf of accredited bodies";
- considering Italian Regional Law No. 33, dated 13th December 2004, entitled "Rules governing activities of the Region for the right to study at university," which makes provisions for services in favour of students enrolled on PhD programmes;
- considering the Charter of the University of Milan, issued by Rector's Decree dated 15th March 2012;
- considering the resolutions approved by the Academic Senate and by the Administrative Council during their respective meetings of 7th and 15th May 2014;
- given protocol note no. 0020285 dated 22 July 2014, by which the Ministry of Education, University and Research (MIUR) announced that the National Agency for the Evaluation of the University System and Research (ANVUR) expressed its favourable opinion to the accreditation of PhD courses offered by the University, deeming, as regards the activation of the new cycle, that Universities, pending the issuance of accreditation decrees, may proceed with calling the admission competition

## HEREBY DECREES

### Art. 1

#### **Activation of PhD Courses**

The following PhD courses are activated at the University of Milan for the academic year 2014/2015 (XXX cycle):

- Agriculture, Environment and Bioenergy
- Molecular and Cellular Biology
- Chemistry
- Industrial Chemistry
- Epidemiology, Environment and Public Health
- Philosophy and Human Sciences
- Physics, Astrophysics and Applied Physics
- Computer Science
- Clinical and Experimental Medicine
- Molecular and Translational Medicine
- Experimental Medicine and Medical Biotechnologies
- Integrative Biomedical Research



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- Environmental Sciences
- Biochemical Sciences
- Literature, Arts and Environmental Heritage
- Nutritional Sciences
- Earth Sciences
- Pharmaceutical Sciences
- Experimental and Clinical Pharmacological Sciences
- National and International Legal Studies
- Mathematical Sciences
- Oral Sciences
- Food Systems
- Veterinary and Animal Science
- History, Culture, Social and Institutional Theories
- Linguistic, Literary and Intercultural Studies in European and Extra-European Perspectives

Public competitions are therefore announced at the University of Milan, to be appraised by qualifications and exams, for admission to the aforementioned PhD courses; the tables annexed to this decree, which are an integral part of this document, contain a brief description of the courses. The tables also illustrate the criteria on which the selection procedures are based.

The number of scholarships may be increased following the acquisition of external funding made available before the deadline established by the call for submission of applications to the competition.

## **Art. 2** **Admission Criteria**

In order to apply for a place on the aforementioned PhD courses, students must possess a "magistrale" degree (second-level degree), an equivalent qualification, or an equivalent qualification by study level (Master's Degree) from a foreign University.

The suitability of the foreign academic qualifications in terms of content is appraised by the Examining Board constituted for admission to each PhD course in compliance with the regulations in force in Italy and in the country in which the academic qualification was issued, and the international treaties or agreements pertaining to the conferment of qualifications for continuing one's studies.

Those without a "magistrale" degree may also participate in the competition. In this case, admission for attendance on the PhD course is subject to achieving the magistrale decree by 31 October 2014.

## **Art. 3** **Application Form**

All applications forms must mandatorily be submitted by **1:00pm on 30 September 2014** by performing the following steps:

1. registering online on the University portal at the webpage [www.unimi.it](http://www.unimi.it) – *Accesso rapido - Servizi - REGISTRAZIONE*. This operation is not required by those already registered on the portal or in possession of University access credentials (final year students or those who graduated from the University of Milan less than a year ago);
2. accessing, using the credentials, the SIFA online services by visiting [www.unimi.it](http://www.unimi.it) - *Servizi online SIFA – LOGIN*;
3. submitting an admission application following these steps: *Servizi di ammissione – Ammissione ai corsi post laurea – Dottorati di ricerca*;
4. paying a non-refundable fee of €50.00 as repayment of selection costs, by credit card or using the MAV form which will be generated by the online service.



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Applicants residing abroad who choose to pay the enrolment fee via the MAV form can settle their payment in Italy, by providing the receipt to the International Students Office at Via S. Sofia no. 9/1.

The online admissions procedure requires applicants to **upload** the following files in pdf, .rtf or .jpg format, no larger than 10MB:

- degree certificate in Italian or English with exams taken, respective grades and credits. Final year students should attach the registration certificate with exams taken, respective grades and credits. (Self-certification in accordance with the law for Italian citizens);
- CV, describing any professional experience and other qualifications held by the applicant;
- research project (according to Form 1 attached hereto);
- copy of passport (only for foreign applicants);
- **Annex A.**

Any publications can be uploaded in the section *Altri Titoli (Other Qualifications)*.

**In addition** to the above listed documentation, applicants must provide, by the competition deadline, **2 reference letters** (drafted according to Form 2 attached hereto) sent by e-mail as a .pdf document directly by the lecturers or experts who provide references, to the e-mail address identified in the specifications of each PhD course.

The online application cannot be modified or supplemented with further documentation once it has been confirmed.

It is possible to apply for a number of PhD courses provided that applicants register properly for each of them, by the methods described above, including payment of the non-refundable fee of €50.00 for each application submitted.

## **Art. 4**

### ***Provisions for Disabled Applicants***

In compliance with Article 20 of Italian Law No. 104, dated 5th February 1992, if deemed necessary, disabled applicants may request special aids and/or additional time to carry out the competition exams. To this end, a medical certificate attesting to the validity of the request must be provided by post by the deadline for competition entries. The necessary documentation should be sent to the University of Milan – Student Administration Division - PhD, Master's and International Students Administration Office, Via Festa del Perdono no.7 – 20122 Milan.

## **Art. 5**

### ***Entrance Examination***

Admission to the PhD course occurs in two stages: evaluation of qualifications and examinations.

At the first stage, the Examining Board proceeds with the evaluation of the following qualifications, in compliance with the criterion of allocation (20, 30 or 40) determined by the Faculty Committee of each PhD course and listed in the annexed tables with reference to each PhD course:

- university career (examinations taken with respective grades and credits);
- any publications;
- any professional experience and other qualifications held by the applicant;
- letters of reference supporting the application from lecturers of the applicant's University or other Universities or from persons qualified to identify the distinctive traits of the applicant as they played a part in educating the same;



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- a research project, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis.

Please note that the failure to provide even just one of the following documents: certificate/self-certification of university career; research project; letters of reference (as indicated for each PhD course), will result in **exclusion from the competition**.

Qualifications and scientific publications may be provided either in Italian or English, unless otherwise indicated in the individual tables relating to PhD courses.

Only applicants who achieve an evaluation of at least 12/20 or 18/30 or 24/40 in their qualifications are admitted to the examination in compliance with the criteria of scoring allocation established by the aforementioned Committee.

According to what is set forth in the annexed tables, the examination consists of an interview aimed at verifying the training, skills and aptitudes of the applicant for scientific research as well as his/her personal motivations. The interview aims to assess the applicant's knowledge pertaining to the educational and scientific subjects of the PhD and includes a formal presentation by the applicant of the proposed research project.

During the interview, where necessary, knowledge of the English language is verified. For the PhD course in Linguistic, Literary and Intercultural Studies in European and Extra-European Perspectives there will also be an assessment of the specialisation language, as noted in the respective table, attached to this decree.

The interview is passed if the applicant obtains a score of at least 28/40 or 21/30 or 14/20, in compliance with the criteria of scoring allocation established by the Faculty Committee.

At the end of the examination, the Committee compiles a general merit ranking based on the sum of total scores obtained by the applicants in the evaluation of qualifications and in the interview.

In order to sit the examinations, applicants must show one of the following forms of ID: a) identity card; b) passport; c) (Italian) driving licence.

Applicants not resident in Italy may ask to do the interview online by procedures that guarantee the identification of the same. The interested parties must submit the form attached to this call for applications (*Form 3*), entering it under the *Altri Titoli (Other Qualifications)* section in the upload procedure.

## **Art. 6**

### ***Examining Boards***

The examining boards for admission to the PhD courses are formed and appointed in accordance with existing regulations.

At the end of every interview session, the Board draws up the list of applicants examined, indicating the points achieved by each applicant in the examination. On that same day, the list, signed by the Board's Chairman and Secretary, is affixed on the notice board of the Department at which the interview took place.

At the end

The Board will compile the general merit ranking in accordance with art. 5, paragraphs 8 and 9.

The general merit ranking is published via *SERVIZI ON LINE Sifa - Graduatorie ammissioni post laurea* on the University website <http://www.unimi.it> on the days following the examinations.



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## **Art. 7** **Course Admission**

Applicants are admitted to the courses in line with the ranking order until the number of places available for each PhD course has been filled. Where applicants achieve the same score, preference will be given to younger applicants, with the exception of the right of priority criterion for PhD grants set forth in art. 9 of this call for applications. The rankings of eligible applicants will be published online on the days following the interviews on the University website <http://www.unimi.it> SERVIZI ON LINE Sifa - *Graduatorie ammissioni corsi post laurea*.

Applicants admitted to the courses lose their entitlement if they fail to enrol within set terms. Should this occur, their place shall be given to the next applicant in the ranking list. This also applies if an admitted applicant withdraws within three months from the beginning of the course. Where the withdrawing student has already used any monthly scholarship payment, he/she is required to return it. The methods and deadlines for takeover applicants will be published on the University website during the period of publication of the rankings.

Where the applicant ranks on more than one list, the applicant must choose only one PhD course.

## **Art. 8** **Registration**

Applicants admitted to PhD courses must enrol online using Sifa SERVIZI ON LINE by the methods and with the deadlines that will be published on the University website during the period of publication of the rankings.

PhD applicants are requested to pay a fee for accessing and attending PhD courses, which amounts to €980.00 for the academic year 2014/2015 and includes the regional tax for the right to study, insurance premium for accidents and stamp duty.

Beneficiaries of PhD scholarships granted by the University are exempted from payment of the fee for accessing and attending PhD courses.

Beneficiaries of scholarships from the Ministry of Foreign Affairs and PhD applicants with invalidity greater than 66% are exempted from payment of the enrolment fee to the PhD and required only to pay the sum of €166.29, corresponding to the regional tax for the right to study, insurance premium for accidents and stamp duty.

**Foreign applicants without an Italian tax code** must send an *Enrolment Form* available online on the University's website at <http://www.unimi.it/ricerca/dottorati/18532.htm> by fax (0039 02 50313731) or e-mail ([international.students@unimi.it](mailto:international.students@unimi.it)), by the date published on the University website, **as well as the payment receipt for the enrolment fee, if due.**

**Applicants who hold a foreign academic qualification** must also show, **by their enrolment date**, by sending a copy thereof, the originals of the following documents to the International Students office (Via Santa Sofia no. 9/1 - 20122 Milan):

- a) university qualification;
- b) Italian translation of the qualification, done by an official translator, certified according to existing regulations;
- c) "certificate of equivalence of qualification" to be requested from the Italian diplomatic representation in the country in which the qualification was obtained;
- d) tax code;
- e) residency permit (only for non-EU applicants).

The documents in paragraph b) and c) may be replaced by a Diploma Supplement if that qualification was obtained at a European university.



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The University reserves the right to request the "certificate of equivalence of qualification" where any doubt arises regarding the validity of the qualification.

## **Art. 9** **Scholarships**

Scholarships for this call for applications are given to those who have a total personal yearly income of under €15,000.00. The scholarship is granted, in accordance with and by the methods established by existing regulations, in line with the ranking order and consists of an annual gross amount of **€13,638.47**. The amount of the scholarship is exempt from IRPEF income tax in accordance with art. 4 of Italian Law no. 476 of 13th August 1984 and is subject, in terms of social security, to the regulations set forth in article 2, paragraph 26 et seq., of Italian Law no. 335 of 8th August 1995.

In the event of equal terms of merit, the appraisal of the economic situation shall prevail, in accordance with Ministerial Decree of 9th April 2001.

The regional tax for the right to study and an expenses charge will be deducted from the scholarship for a total sum of €166.29.

Scholarships have a yearly duration and can be renewed if the PhD student has completed the programme of activities of the previous year with a positive evaluation.

Starting from the second year, each PhD student is given, in addition to the scholarship and depending on the financial resources existing in the University budget, a budget for research activity in Italy and abroad suited to the type of course and in any case no less than 10% of the amount of the scholarship itself.

## **Art. 10** **Obligations of PhD Students**

PhD students are required regularly to attend the activities on their educational curriculum and fully to commit themselves and for the entire amount of hours established by the Faculty Committee to individual and guided study plans and to the execution of the research activities assigned to them.

Admission to the PhD implies an exclusive and full-time commitment, due to the specificity of this type of course, as established in paragraph 4, art. 12 of Italian Ministerial Decree no. 45, 8th February 2013.

For the purpose of organising annual assessments, PhD students are required to submit to the Faculty Committee, by its deadlines, a written report about their research activity and its results, as well as any attendance at seminars, conferences and other scientific events, together with any publications produced.

## **Art. 11** **Achievement of Qualification**

The qualification of Doctor of Philosophy, abbreviated to "Ph.D." is awarded after the positive evaluation of a research dissertation which contributes to the development of knowledge or methodologies in the chosen field. The research dissertation, which must include a summary, may be written in Italian or English, or in another language upon prior authorisation on behalf of the Faculty Committee. The dissertation, to which a report written by the PhD student about the activities carried out during the PhD course and any publications are annexed, is evaluated by at least two highly qualified lecturers, also from foreign institutions, external to those who contributed to the issuance of the PhD qualification, hereinafter referred to as "evaluators". The evaluators give a written analytic assessment on the dissertation and recommend its admission to public discussion or deferment (max. 6 months) if they believe significant amendments or integrations are necessary. After this period, the dissertation is admitted to public discussion in any case, accompanied by a new written opinion by the same evaluators, in light of any amendments or integrations made. The public



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discussion takes place in front of a committee whose members are defined in accordance with the regulation. After the discussion, the dissertation may be approved or rejected with a justified written assessment of the Committee. The Committee may, unanimously, confer honours, if the results of the research are of particular scientific significance.

The University will archive and make available the unabridged PhD dissertation online in the AIR (Institutional University Archive) and will deal with filing it legally in electronic format. Following a motivated request by the PhD student, and limited to requirements of protection and economic use of industrial and/or intellectual property, having liaised with the tutor, the dissertation may be excluded from online consultation for a period of max. 18 months.

Within thirty days of the discussion and approval of the dissertation, the University sends a copy of the dissertation in electronic format to the ministerial database.

## **Art. 12**

### ***Personal Data Processing***

In accordance with its Regulation issued in application of Legislative Decree no. 196 of 30th June 2003, the University undertakes to respect the confidential nature of the information provided by applicants; all data provided will be processed solely for purposes related and instrumental to the competition and possibly to manage the applicant's relationship with the University, in compliance with current laws.

## **Art. 13**

### ***Relevant Regulations***

Any items for which no specific provision has been made in this call for applications shall be regulated in accordance with the Italian legislation and regulations governing PhDs.

Milan, 29 July 2014

THE RECTOR  
(Gianluca Vago)





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## PHD COURSE IN AGRICULTURE, ENVIRONMENT AND BIOENERGY

Learning Objectives	<p>Our planet is facing the decay of its non-renewable resources and is exposed to risks deriving from climate change. The agricultural sector must supply food, non-food products, ecosystemic services and energy, whilst guaranteeing safety and food sovereignty. It is, therefore, essential to develop advanced training courses in order to obtain efficiency and sustainability in the agricultural sector and its various territorial contexts, taking into consideration the elements involved in the production system as well as their organisation in agro-ecosystems. Reference will be made to:</p> <ul style="list-style-type: none"> <li>a) phenotypic and genotypic features and the valorisation of genetic resources;</li> <li>b) containment of biotic and abiotic adversities;</li> <li>c) implementation of predictive IT models;</li> <li>d) bioenergy production, use of residual substances, preservation of the quality of soils and water resources;</li> <li>e) analysis and management of technical means, agricultural processes, multi-functionality of rural areas and of agrobiodiversity.</li> </ul> <p>The PhD will prepare researchers to:</p> <ul style="list-style-type: none"> <li>a) develop autonomous research;</li> <li>b) prepare and propose public and private research projects on a local, national and international level;</li> <li>c) acknowledge research needs and their scientific, social and economic importance;</li> <li>d) transfer knowledge through teaching activities and the presentation of data and results;</li> <li>e) transfer the results of research into the public and private sphere.</li> </ul>
Academic disciplines	<p>05/A (Plant Biology)            07/A (Agricultural Economics and Rural Surveying)            07/B (Agricultural and Forestry Cultivation Systems)            07/C (Agricultural, Forestry and Biosystem Engineering)            07/D (Plant Pathology and Entomology)            07/E (Agricultural Chemistry and Genetics)            07/G (Animal Science and Technology)            07/H (Veterinary Medicine)</p>
Duration	3 years
Places available	9
Scholarships	<p><b>8 University of Milan</b>  <b>1 with funds provided by the Progetto Giovani 2013</b>, reserved for priority research in the Italian framework "Optimisation of typical agri-food products and of food safety through new characterisation and quality assurance systems"</p>
Contact person of the PhD course	Prof. Marco Acutis, ordinary professor in the scientific-disciplinary field AGR/02



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Admission Criteria	<p>Educational qualifications obtained in one of the following classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:</p> <p>LM-3 Landscape Architecture,          LM-6 Biology,          LM-7 Agricultural Biotechnology          LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,          LM-17 Physics,          LM-18 Computer Science,          LM-30 Energy and Nuclear Engineering          LM-32 Computer Engineering,          LM-33 Mechanical Engineering,          LM-35 Environmental and Territorial Engineering,          LM-40 Mathematics,          LM-42 Veterinary Medicine,          LM-44 Mathematical-Physics Models for Engineering,          LM-48 Territorial, Urban and Environmental Planning,          LM-56 Sciences of Economy,          LM-60 Natural Sciences,          LM-69 Agricultural Science and Technology,          LM-70 Food Science and Technology,          LM-73 Forest and Environmental Science and Technology,          LM-74 Geological Science and Technology,          LM-75 Environmental and Territorial Science and Technology,          LM-76 Environmental and Territorial Economic Sciences          LM-77 Economic-Business Sciences,          LM-81 Sciences for the Development of Cooperation,          LM-82 Statistical Sciences          LM-86 Zootechnical Sciences and Animal Technology.</p>
Distribution of points	<p>Titles: maximum 20 points          Interview: maximum 40 points</p>

**Admission to the PhD course occurs in two stages:**

<b>Stage one</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided in accordance with art. 3 of this call for applications.</u></p>	<ul style="list-style-type: none"> <li>– University career (course examinations taken): maximum 5 points;</li> <li>– Any publications: maximum 5 points;</li> <li>– Any professional experience and other qualifications held by the applicant: maximum 3 points;</li> <li>– two reference letters written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:marco.acutis@unimi.it">marco.acutis@unimi.it</a>): maximum 2 points;</li> <li>– Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation</li> </ul>



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	regarding the subsequent choice of PhD thesis: maximum 5 points.
Date of evaluation of qualifications	7 October 2014
Results of evaluation of qualifications	Available from <b>10 October 2014</b> on the internet website <a href="http://www.disaa.unimi.it/ecm/home/persona/bandi-e-albo/graduatorie-bandi-per-la-ricerca">http://www.disaa.unimi.it/ecm/home/persona/bandi-e-albo/graduatorie-bandi-per-la-ricerca</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 14 October 2014 at 9:30am</i> at the Department of Agricultural and Environmental Sciences - Production, Territory, Agroenergy (practice room) - Via Celoria no. 2 - 20133 Milan.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD IN MOLECULAR AND CELLULAR BIOLOGY

Learning Objectives	<p>The main aims of the PhD are:</p> <ul style="list-style-type: none"> <li>- to train a scientific elite with excellent skills in the field of biomolecular sciences and biotechnology;</li> <li>- to promote a molecular approach to the study of complex biological problems in model organisms (prokaryotic and eukaryotic microorganisms, animals and plants);</li> <li>- to encourage collaboration between research institutes, advanced training schools and companies in the fields of biomolecular sciences and biotechnology;</li> <li>- to encourage internationalisation by way of numerous international scientific collaborations, by involving foreign lecturers, recruiting postgraduate students from outside Italy, by organising co-tutored dissertations and by arranging study periods abroad.</li> </ul> <p>The training activities will be characterised by:</p> <ul style="list-style-type: none"> <li>- multidisciplinary features;</li> <li>- interactivity;</li> <li>- links to the business world;</li> <li>- internationalisation.</li> </ul> <p>The key element of PhD training is the integration of doctorate students in experimental research activities. They will work full-time on a research project and also contribute with critiques and suggestions, thus acquiring scientific and organisational independence.</p>
Academic disciplines	<p>01/B (Computer Science)            05/A (Plant Biology)            05/B (Animal Biology and Anthropology)            05/E (Experimental and Clinical Biochemistry and Molecular Biology)            05/F (Applied Biology)            05/G (Experimental and Clinical Pharmaceutical Sciences)            05/H (Human Anatomy and Histology)            05/I (Genetics and Microbiology)</p>
Duration	3 years
Places available	13
Scholarships	<p><b>10 University of Milan</b>  <b>2 with funds provided by Progetto Giovani 2013</b>, reserved for priority research in the Italian framework: "Human health (study and treatment of tumours and degenerative diseases through new approaches deriving from knowledge of the human genome)" and "Optimisation of typical agri-food products and of food safety through new characterisation and quality assurance systems"</p>
Contact person of the PhD course	Prof. Marco Muzi Falconi, adjunct professor in the scientific-disciplinary BIO/11
Admission Criteria	Educational qualifications obtained in one of the following



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classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:

LM-6 Biology,  
LM-7 Agricultural Biotechnology,  
LM-8 Industrial Biotechnology,  
LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,  
LM-11 Conservation and Restoration of Cultural Heritage,  
LM-13 Pharmacy and Industrial Pharmacy,  
LM-17 Physics,  
LM-18 Computer Science,  
LM-21 Biomedical Engineering,  
LM-22 Chemical Engineering,  
LM-25 Automation Engineering,  
LM-31 Industrial Engineering,  
LM-32 Computer Engineering,  
LM-35 Environment and Territorial Engineering,  
LM-40 Mathematics,  
LM-41 Medicine and Surgery,  
LM-42 Veterinary Medicine,  
LM-44 Mathematical and Physical Modelling for Engineering,  
LM-46 Dentistry and Orthodontics,  
LM-47 Organisation and Management of Services for Sports and Motor Activities,  
LM-48 Territorial, Urban and Environmental Planning,  
LM-51 Psychology,  
LM-52 International Relations,  
LM-53 Material Sciences and Engineering,  
LM-54 Chemical Sciences,  
LM-56 Economic Sciences,  
LM-58 Sciences of the Universe,  
LM-59 Sciences of Public, Corporate and Advertising Communication,  
LM-60 Natural Sciences,  
LM-61 Human Nutritional Science,  
LM-67 Science and Techniques of Preventive and Adapted Motor Activities,  
LM-68 Sports Sciences and Technology,  
LM-69 Agricultural Sciences and Technology,  
LM-70 Food Sciences and Technology,  
LM-71 Science and Technology of Industrial Chemistry,  
LM-73 Forest and Environmental Science,  
LM-74 Geological Sciences and Technology,  
LM-75 Environment and Territorial Science and Technology,  
LM-76 Economic Sciences for the Environment and Culture,  
LM-78 Philosophical Sciences,  
LM-79 Geophysical Sciences,  
LM-82 Statistical Sciences,  
LM-86 Zootechnical Sciences and Animal Technology,  
LM-91 Techniques and Methods for the Information Society,  
LM-92 Communication Theory,



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	LM/SNT1 Nursing and Midwifery, LM/SNT2 Health Professions for Rehabilitation, LM/SNT3 Health Professions for Technical Assistance, LM/SNT4 Health Professions for Preventive Care
Distribution of points	Titles: maximum 20 points Interview: maximum 40 points

**Admission to the PhD course occurs in two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"> <li>– university career (course examinations taken): maximum 9 points;</li> <li>– Any publications and communications at conferences: maximum 3 points;</li> <li>– Any professional experience and other qualifications held by the applicant: maximum 2 points;</li> <li>– two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:margherita.russo@unimi.it">margherita.russo@unimi.it</a>): maximum 2 points;</li> <li>– Research project, prepared in English and according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 4 points.</li> </ul>
Date of evaluation of qualifications:	6 October 2014
Results of the evaluation of qualifications	Available from <b>8 October 2014</b> on the internet website <a href="http://www.dbs.unimi.it/ecm/home/didattica/dottorati-di-ricerca/biologia-molecolare-e-cellulare">http://www.dbs.unimi.it/ecm/home/didattica/dottorati-di-ricerca/biologia-molecolare-e-cellulare</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 13, 14 and 15 October 2014 at 9:30am</b> at the University of Milan - Biological Buildings, Lecture Hall <i>ex laurea</i>, 2nd Floor, Tower A – Via Celoria no. 26, 20133 Milan.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN CHEMISTRY

Learning Objectives	<p>The PhD course aims to provide to future PhD doctors the skill to perform a critical analysis of scientific research problems in the field of chemistry, and to identify and pursue important objectives. This PhD course trains professionals who will be able to work in the industry sector, in private and public institutions, as well as in the academic field.</p> <p>PhD students will acquire all the knowledge and working methods necessary to carry out research activities to very high scientific standards in all the many interdisciplinary fields of Chemistry. The central role of Chemistry in modern life is widely acknowledged today. This science intersects with several scientific disciplines (such as, physics and biology) and is, therefore, applied in many different fields, from medicine to nanomaterials, from agriculture to energy, from biology to electronics, from cultural heritage conservation to environmental protection. Advanced chemical research is essential for underpinning the development of many scientific disciplines and production facilities of a modern country.</p> <p>The active research trends followed by the PhD Course in Chemistry will focus on the following subjects: 1. <i>Synthesis, reactivity, reaction mechanisms, catalysis</i>; 2. <i>Structural chemistry, spectroscopic investigations</i>; 3. <i>Theoretical and computational chemistry</i>; 4. <i>Solid-state, interphase and electrolyte chemistry</i>, 5. <i>Chemistry of biologically active compounds, food and natural substances, biocatalysis</i>; 6. <i>Chemistry of the environment and of cultural heritage</i>; 7. <i>Chemistry of materials, chemistry for nanotechnologies, supramolecular chemistry, chemistry for energy</i>.</p> <p>An important educational aspect for PhD students is the opportunity to meet foreign researchers and come into contact with internationally renowned research institutes. This is achieved by assigning a significant part of teaching activities to foreign lecturers, and also by giving students the opportunity to spend time abroad in foreign research institutions.</p>
Academic disciplines	03/A (Analytical, chemical-physical) 03/B (Inorganic, technological) 03/C (Organic, industrial) 03/D (Pharmaceutics, Technology, Food)
Duration	3 years
Places available	10
Scholarships	<b>7 University of Milan</b> <b>1 with funds provided by Progetto Giovani 2013</b> , reserved for priority research in the Italian framework: "Energy saving and distributed microgeneration"
Contact person of the PhD course	Prof Emanuela Licandro, ordinary professor in the scientific-disciplinary field CHIM/06
Admission Criteria	Educational qualifications obtained in one of the following



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	<p>classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:</p> <p>LM-6 Biology,          LM-7 Agricultural Biotechnology,          LM-8 Industrial Biotechnology,          LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,          LM-10 Conservation of Architectural and Environmental Heritage,          LM-11 Cultural Heritage Conservation Sciences,          LM-13 Pharmacy and Industrial Pharmacy,          LM-17 Physics,          LM-18 Computer Science,          LM-21 Biomedical Engineering,          LM-22 Chemical Engineering,          LM-30 Energy and Nuclear Engineering,          LM-32 Computer Engineering,          LM-40 Mathematics,          LM-53 Material Sciences and Engineering,          LM-54 Chemical Sciences,          LM-58 Sciences of the Universe,          LM-60 Natural Sciences,          LM-61 Human Nutritional Science,          LM-69 Agricultural Sciences and Technology,          LM-70 Food Sciences and Technology,          LM-71 Science and Technology of Industrial Chemistry,          LM-74 Geological Sciences and Technology,          LM-75 Environment and Territorial Sciences and Technology,          LM-76 Economic Sciences for the Environment and Culture,          LM-79 Geophysical Sciences,          LM-86 Zootechnical Sciences and Animal Technology.</p>
Distribution of points	<p>Titles: maximum 30 points          Interview: maximum 30 points</p>

**Admission to the PhD course occurs in two stages:**

<b>Stage one</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p>	<ul style="list-style-type: none"> <li>– university career (course examinations taken): maximum 21 points;</li> <li>– Any publications: maximum 2 points;</li> <li>– Any professional experience and other qualifications held by the applicant: maximum 4 points;</li> <li>– two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:emanuela.licandro@unimi.it">emanuela.licandro@unimi.it</a>): maximum 2 points;</li> <li>– Research project, prepared according to the form attached to the call for applications, prepared by the</li> </ul>





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	applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 1 point.
Date of evaluation of qualifications:	9 October 2014
Results of the evaluation of qualifications	Available from <b>13 October 2014</b> on the internet website <a href="http://www.chimica.unimi.it/ecm/home/didattica/corsi-di-dottorato">http://www.chimica.unimi.it/ecm/home/didattica/corsi-di-dottorato</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 16 October 2014 at 9:30am</i> at the Department of Chemistry ("Mario Farina" Hall) - Via Golgi no. 19 - 20133 Milan.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN INDUSTRIAL CHEMISTRY

Learning Objectives	<p>The general theme of the PhD course relates to the extensive field of application of chemistry culture in industrial processes. It aims to train future doctors to understand theoretical and practical problems, as well as economic, environmental and safety issues. Doctors will possess considerable scientific expertise and will be able to organise and manage research activities, as well as analyse the aspects pertaining to scale passage. The main research areas are: physical chemistry and catalysis in industrial processes; industrial electrochemistry and corrosion; synthesis, properties and structure of polymers; synthesis and processes of fine chemicals; synthesis, processes and verifications in primary chemistry; chemical biotechnology; innovative chemical processes; new structural and functional materials; innovative energy technologies; nanotechnologies.</p> <p>An important educational aspect for PhD students is the opportunity to meet foreign researchers and come into contact with internationally renowned research institutes. This is achieved by assigning a part of teaching activities to foreign lecturers, and also by giving students the opportunity to spend time abroad in foreign research institutions.</p>
Academic disciplines	03/A (Analytical, chemical-physical) 03/B (Inorganic, technological) 03/C (Organic, industrial) 09/D (Chemical and material engineering)
Duration	3 years
Places available	9
Scholarships	<b>6 University of Milan</b> <b>1 with funds provided by Progetto Giovani 2013</b> , reserved for priority research in the Italian framework: "Advanced materials (ceramics, in particular) for structural applications"
Contact person of the PhD course	Prof. Dominique Roberto, ordinary professor in the scientific-disciplinary field CHIM/03
Admission Criteria	<p>Educational qualifications obtained in one of the following classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:</p> <p>LM-8 Industrial Biotechnology, LM-13 Pharmacy and Industrial Pharmacy, LM-17 Physics, LM-22 Chemical Engineering, LM-53 Material Sciences and Engineering, LM-54 Chemical Sciences,</p>



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	LM-71 Science and Technology of Industrial Chemistry.
Distribution of points	Titles: maximum 30 points Interview: maximum 30 points

**Admission to the PhD course occurs in two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations taken): maximum 21 points;</li><li>- Any publications: maximum 2 points;</li><li>- Any professional experience and other qualifications held by the applicant: maximum 4 points;</li><li>- two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:dominique.roberto@unimi.it">dominique.roberto@unimi.it</a>): maximum 2 points;</li><li>- Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 1 point.</li></ul>
Date of evaluation of qualifications:	8 October 2014
Results of the evaluation of qualifications	Available from <b>13 October 2014</b> on the internet website <a href="http://www.chimica.unimi.it/ecm/home/didattica/corsi-di-dottorato">http://www.chimica.unimi.it/ecm/home/didattica/corsi-di-dottorato</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 15 October 2014 at 9:30</b> at the Department of Chemistry ("L. Malatesta" Hall) - Via Golgi no.19 - 20133 Milan.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN EPIDEMIOLOGY, ENVIRONMENT AND PUBLIC HEALTH

Learning Objectives	<p>This PhD course focuses on training professionals and researchers who can contribute to the development of research methodologies in the healthcare field, from laboratories to clinics, from prevention to services for the protection and promotion of health in individuals and populations, in living environments and work places and in the application of economic principles to healthcare system management.</p> <p>PhD students will acquire solid know-how in the quantitative disciplines required to draft and analyse studies for the identification of the determining factors of a disease, prognostic factors, diagnostic-therapeutic paths and studies conducted in the field of clinical research. The research will focus largely upon prevention and control systems of infectious diseases, including paediatric and chronic-degenerative diseases and those related to food, work and assistance, also through the use of predictive models of disease risks and/or genetic susceptibility and a cost/benefit analysis of the prevention policies available. The PhD course will also examine the problems existing between work, environment and health, directing the studies of young researchers to current subjects of the utmost social and healthcare importance, cutting edge topics that are also of interest to many regulatory bodies and qualified research centres.</p>
Academic disciplines	06/D (Specialised Clinical Medicine) 06/G (Paediatrics) 06/M (Public Health) 13/A (Economics)
Duration	3 years
Places available	4
Scholarships	<b>4 University of Milan</b>
Contact person of the PhD course	Prof. Adriano Decarli, ordinary professor in the scientific-disciplinary field MED/01
Curriculum	<ol style="list-style-type: none"><li>1. Biostatistics and Epidemiology</li><li>2. Hygiene and Public Health</li><li>3. Industrial Health and Medicine</li></ol>
Admission Criteria	<p>Educational qualifications obtained in one of the following classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:</p> <p>LM-6 Biology, LM-7 Agricultural Biotechnology, LM-8 Industrial Biotechnology, LM-9 Medical, Veterinary and Pharmaceutical</p>



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	<p>Biotechnology, LM-13 Pharmacy and Industrial Pharmacy, LM-17 Physics, LM-18 Computer Science, LM-21 Biomedical Engineering, LM-31 Administrative Engineering, LM-32 Computer Engineering, LM-35 Environment and Territorial Engineering, LM-40 Mathematics, LM-41 Medicine and Surgery, LM-42 Veterinary Medicine, LM-44 Mathematical-physics modelling for engineering, LM-46 Dentistry and Orthodontics, LM-47 Organisation and Management of Services for Sports and Motor Activities, LM-48 Territorial, Urban and Environmental Planning, LM-50 Planning and Management of Educational Services, LM-51 Psychology, LM-54 Chemical Sciences, LM-55 Cognitive Sciences, LM-56 Economic Sciences, LM-57 Adult Education and Continuous Learning Sciences, LM-58 Sciences of the Universe, LM-59 Sciences of Public, Corporate and Advertising Communication, LM-60 Natural Sciences, LM-61 Human Nutritional Science, LM-62 Political Science, LM-63 Science of Public Administrations, LM-67 Science and Techniques of Preventive and Adapted Motor Activities, LM-68 Sports Sciences and Technology, LM-69 Agricultural Sciences and Technology, LM-70 Food Science and Technology, LM-71 Science and Technology of Industrial Chemistry, LM-73 Forest and Environmental Sciences, LM-75 Environment and Territorial Sciences and Technology, LM-76 Environmental and Cultural Economic Sciences LM-77 Economic and Business Science, LM-81 Science for the Development of Cooperation, LM-82 Statistical Sciences, LM-83 Statistical, Actuarial and Financial Sciences, LM-85 Pedagogical Sciences, LM-86 Zootechnical Sciences and Animal Technology, LM-87 Social Services and Policies, LM-88 Sociology and Social Research, LM/SNT1 Nursing and Midwifery, LM/SNT2 Health Professions for Rehabilitation, LM/SNT3 Health Professions for Technical Assistance, LM/SNT4 Health Professions for Preventive Care, LMG/01 Jurisprudence</p>
Distribution of points	Titles: maximum 30 points



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Interview: maximum 30 points

## **Admission to the PhD course occurs in two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations taken): maximum 6 points;</li><li>- Any publications: maximum 4 points;</li><li>- Any professional experience and other qualifications held by the applicant: maximum 3 points;</li><li>- two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:adriano.decarli@unimi.it">adriano.decarli@unimi.it</a>): maximum 2 points;</li><li>- Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 15 points.</li></ul>
Date of evaluation of qualifications:	7 October 2014
Results of the evaluation of qualifications	Available from <b>10 October 2014</b> on the internet website <a href="http://discco.unimi.it">http://discco.unimi.it</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 14 October 2014 at 2:00pm</i> at the Department of Biomedical Sciences for Health - Via Pascal no. 36 - 20133 Milan.</p> <p>The interview will be held in Italian.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN PHILOSOPHY AND HUMAN SCIENCES

Learning Objectives	The PhD in Philosophy and Human Sciences aims to offer a brand new course for higher education, which integrates the skills required for theoretical and experimental research in disciplines, such as anthropology, geography, linguistics, psychology and cognitive science, social science, art theory and criticism with the knowledge made available by philosophical research in both their theoretical and historical manifestations. This PhD Course makes use of the multidisciplinary skills made available by the Faculty Committee and aims to provide extensive knowledge in specific sectors of essential and applied research, promoting development in innovative and cutting-edge fields, which promote the ability to master theories, methods and techniques of various fields. In particular, the training objective of this course is to provide the PhD student with solid philosophical and scientific preparation in one of the following research areas: (i) History of philosophical and scientific thought (ii) Ethics and political thought (iii) Image theory and phenomenology of experience (iv) Logic and theory of languages (v) Philosophy of mind and cognitive science (vi) Anthropology and territorial science.
Academic disciplines	05/D (Physiology) 10/G (Glottology and Linguistics) 10/M (Germanic and Slavonic Languages, Literature and Culture) 11/A (Historical Disciplines) 11/B (Geography) 11/C (Philosophy) 11/E (Psychology) 14/B (Political History)
Duration	3 years
Places available	6
Scholarships	<b>6 University of Milan</b>
Contact person of the PhD course	Prof. Corrado Sinigaglia, adjunct professor in the scientific-disciplinary field M-FIL/02
Admission Criteria	All the two year specialisation courses (magistrale)
Distribution of points	Titles: maximum of 30 points Interview: maximum of 30 points

**Admission to the PhD course occurs in two stages:**

<b>Stage one</b>	
Evaluation of qualifications	– university career (course examinations taken): maximum 10 points;



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<p><u>Qualifications must be provided in accordance with art. 3 of this call for applications.</u></p>	<ul style="list-style-type: none"><li>- Any publications: maximum 3 points;</li><li>- Any professional experience and other qualifications held by the applicant: maximum 1 point;</li><li>- two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:corrado.sinigaglia@unimi.it">corrado.sinigaglia@unimi.it</a>): maximum 1 point;</li><li>- Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 15 points.</li></ul>
Date of evaluation of qualifications:	7 October 2014
Results of the evaluation of qualifications	Available from <b>9 October 2014</b> on the internet website Internet <a href="http://www.dipafilo.unimi.it/ecm/home/scuola-di-dottorato">http://www.dipafilo.unimi.it/ecm/home/scuola-di-dottorato</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 13 October 2014 at 9:30am</i> at the University of Milan ("Crociera Alta" Hall) - Via Festa del Perdono no. 7-20122 Milan</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>





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## PHD COURSE IN PHYSICS, ASTROPHYSICS AND APPLIED PHYSICS

Learning Objectives	<p>The main topic of this PhD course is Physics in advanced sectors of essential and applied research. The research spectrum covers all the subjects of modern Physics as indicated in the 5 curricula offered, with the purpose of facilitating the integration of doctorate students into specific sectors.</p> <p>The required basic training is guaranteed by a combination of courses specifically activated for this PhD course, and courses exceptionally borrowed from the two year specialisation course (laurea magistrale), with examinations at the end of the first year. Moreover, doctorate students are required to attend an International School with final assessment through a public conference. The PhD course also includes various opportunities for discussion and cross exchanges between students of different courses, particularly during a workshop at the end of the academic year.</p> <p>Training is supplemented by coordinated cycles of subject-specific conferences ("Physics Colloquia"). At the same time, doctorate students will have to focus on original research, under the guidance of a tutor and a co-tutor, and demonstrate their progress during annual seminars during which doctorate students will present their findings to the whole scientific community of the university. This PhD course also offers internships at National and International Laboratories and Research Laboratories at private bodies related to Essential Physics or High Technology.</p>
Academic disciplines	<p>02/A (Physics of Essential Interactions)            02/B (Physics of Matter)            02/C (Astronomy, Astrophysics, Earth and Planetary Physics)            09/E (Electric and Electronic Engineering and Measures)</p>
Duration	3 years
Places available	19
Scholarships	<p><b>13 University of Milan</b>  <b>1 with funds provided by Progetto Giovani 2013</b>, reserved for priority research in the Italian framework: "Advanced materials (ceramics, in particular) for structural applications"  <b>3 financed by the Istituto Nazionale di Fisica Nucleare</b></p>
Contact person of the PhD course	Prof. Marco Bersanelli, ordinary professor in the scientific-disciplinary field FIS/05
Curriculum	<ol style="list-style-type: none"> <li>1. Astrophysics</li> <li>2. Physics of Matter</li> <li>3. Nuclear and Particle Physics</li> <li>4. Essential Theoretical Physics</li> <li>5. Applied Physics</li> </ol>



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Admission Criteria	<p>Educational qualifications obtained in one of the following classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:</p> <p>LM-6 Biology,          LM-8 Industrial Biotechnology,          LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,          LM-17 Physics,          LM-18 Computer Science,          LM-20 Aerospace and Astronautical Engineering,          LM-21 Biomedical Engineering,          LM-22 Chemical Engineering,          LM-25 Automation Engineering,          LM-27 Telecommunications Engineering,          LM-28 Electrical Engineering,          LM-29 Electronic Engineering,          LM-30 Energy and Nuclear Engineering,          LM-32 Computer Engineering,          LM-33 Mechanical Engineering,          LM-40 Mathematics,          LM-44 Mathematical and Physical Modelling for Engineering,          LM-53 Material Science and Engineering,          LM-54 Chemical Sciences,          LM-58 Sciences of the Universe,          LM-71 Science and Technology of Industrial Chemistry,          LM-74 Geological Sciences and Technology,          LM-75 Environment and Territorial Science and Technology,          LM-79 Geophysical Sciences,          LM-82 Statistical Sciences.</p>
Distribution of marks	<p>Titles: maximum 20 points          Interview: maximum 40 points</p>

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p>	<ul style="list-style-type: none"> <li>– university career (course examinations taken in degree and magistrale degree): maximum 7 points;</li> <li>– Any publications: maximum 1 point;</li> <li>– Any professional experience and other qualifications held by the applicant: maximum 2 points;</li> <li>– two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:phd@fisica.unimi.it">phd@fisica.unimi.it</a>): maximum 4 points;</li> <li>– Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis:</li> </ul>



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	maximum 6 points.
Date of evaluation of qualifications:	6 October 2014
Results of the evaluation of qualifications	Available from <b>9 October 2014</b> on the internet website <a href="http://phd.fisica.unimi.it/admission/year2014/">http://phd.fisica.unimi.it/admission/year2014/</a> .

<b>Stage two</b>	
Examination diary	<p><i>Interview:</i> starting from <b>13 October 2014</b> at <b>2:30pm</b> at the Department of Physics ("Polvani" Hall) - Via Celoria no. 16 - 20133 Milan.</p> <p>The schedule of oral examinations will be published on the PhD course website <a href="http://phd.fisica.unimi.it/admission/year2014/">http://phd.fisica.unimi.it/admission/year2014/</a> after the titles submitted by the candidates have been evaluated.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN COMPUTER SCIENCE

Learning Objectives	<p>The PhD in Computer Science aims to provide PhD students with advanced scientific, methodological and technological knowledge of the disciplinary-scientific sector of computer science, as well as related sectors and corresponding applications. This knowledge is designed to train and introduce PhD students to theoretical and applied research on interdisciplinarity and internationalisation, building scientifically and culturally autonomous investigational skills, and making them able to produce original results, which can be significant for the international scientific community and companies.</p> <p>The PhD in Computer Science aims to provide:</p> <ul style="list-style-type: none"> <li>- solid wide-ranging knowledge on the basics of science, methodologies and technologies of IT and related fields,</li> <li>- advanced and in-depth competencies related to specific disciplinary aspects,</li> <li>- interdisciplinary skills necessary to optimise cultural and methodological synergies,</li> <li>- a sound methodological grounding in the conduct of research, as well as in its organisation, management and dissemination,</li> <li>- opportunities of education on an international level,</li> <li>- better preparation of PhD students and their professional introduction into the field of academic research and companies.</li> </ul>
Academic disciplines	01/B (Computer Science) 09/H (Computer Engineering)
Duration	3 years
Places available	13, including 1 reserved to a foreign state Scholarship holder
Scholarships	<p><b>9 University of Milan</b>  <b>2 with funds provided by Progetto Giovani 2013</b>, reserved for priority research in the Italian framework: "ICT and electronic components"  <b>1 funded by the Computer Science Department</b></p>
Contact person of the PhD course	Prof. Ernesto Damiani, ordinary professor in the scientific-disciplinary field INF/01
Admission Criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
Evaluation of qualifications	– university career (course examinations taken): maximum



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<p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p>	<p>5 points;</p> <ul style="list-style-type: none"><li>– Any publications: maximum 8 points;</li><li>– Any professional experience and other qualifications held by the applicant: maximum 5 points;</li><li>– two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:PhDComputerScience@di.unimi.it">PhDComputerScience@di.unimi.it</a>): maximum 2 points;</li><li>– Research project, prepared in English and according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 10 points.</li></ul>
Date of evaluation of qualifications:	6 October 2014
Results of the evaluation of qualifications	Available from <b>7 October 2014</b> on the internet website <a href="http://sesar.di.unimi.it/Dottorato/">http://sesar.di.unimi.it/Dottorato/</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview:</i> from <b>10 October 2014</b> at <b>9:30am</b> at the Department of Computer Science (meeting room, 1 floor) - Via Comelico no. 39/41 - 20135 Milan.</p> <p>A schedule of oral examinations will be published on the PhD course website <a href="http://sesar.di.unimi.it/Dottorato/">http://sesar.di.unimi.it/Dottorato/</a> after the qualifications submitted by applicants have been evaluated.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN CLINICAL AND EXPERIMENTAL MEDICINE

Learning Objectives	<p>This PhD course aims to train doctors who are able to conduct clinical research related to the study of pathogenesis, diagnosis, prognosis and therapeutic support of the main pathologies of internal and specialised medicine. All approaches will start from a clinical observation at the patients' 'bedside' and will then be transferred to laboratory research or animal models and vice-versa. A collaboration with industries in the field of diagnostics, biotechnology and pharmacy will be put into effect, with the purpose of implementing collaborative studies in these fields. Such collaborations may play a positive role in facilitating the access of doctors to working contexts. Moreover, a collaboration with research bodies and Italian and foreign universities will be implemented, allowing doctorate students to carry out periods of training and work.</p> <p>Research will mainly focus on:</p> <ul style="list-style-type: none"> <li>- hepatology and gastrointestinal diseases</li> <li>- infectious diseases</li> <li>- diseases of the endocrine system</li> <li>- haemostasis and thrombosis</li> <li>- cardiovascular diseases</li> <li>- medical emergencies</li> </ul>
Academic disciplines	<p>06/A (Pathology and Diagnostics Laboratory)          06/B (General Clinical Medicine)          06/D (Specialised Clinical Medicine)          06/L (Clinical Anaesthesiology)</p>
Duration	3 years
Places available	9
Scholarships	<b>7 University of Milan</b>
Contact person of the PhD course	Prof. Antonella D'Arminio Monforte, ordinary professor in the scientific-disciplinary field MED/17
Admission Criteria	<p>Educational qualifications obtained in one of the following classes pursuant to Ministerial Decree 270/2004, or one of the corresponding classes pursuant to Ministerial Decree 509/99:</p> <ul style="list-style-type: none"> <li>LM-6 Biology,</li> <li>LM-8 Industrial Biotechnology,</li> <li>LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,</li> <li>LM-13 Pharmacy and Industrial Pharmacy,</li> <li>LM-41 Medicine and Surgery,</li> <li>LM-54 Chemical Sciences,</li> <li>LM-60 Natural Sciences,</li> <li>LM-61 Human Nutritional Science,</li> <li>LM-70- Food Sciences and Technology,</li> <li>LM-71 Science and Technology of Industrial Chemistry,</li> <li>LM-82 Statistical Sciences,</li> </ul>



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	LM/SNT3 Health Professions for Technical Assistance LM/SNT4 Health Professions for Preventive Care
Distribution of marks	Titles: maximum 20 points Interview: maximum 40 points

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations taken): maximum 3 points;</li><li>- Any publications: maximum 3 points;</li><li>- Any professional experience and other qualifications held by the applicant: maximum 4 points;</li><li>- two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:antonella.darminio@unimi.it">antonella.darminio@unimi.it</a>): maximum 2 points;</li><li>- Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 8 points.</li></ul>
Date of evaluation of qualifications:	10 October 2014
Results of the evaluation of qualifications	Available from <b>13 October 2014</b> on the internet website <a href="http://www.diss.unimi.it/">http://www.diss.unimi.it/</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 14 October 2014 at 10:00am</i> at the Department of Biomedical and Clinical Sciences "L. Sacco" (Hall B) - Via G. B. Grassi 74 - 20157 Milan.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN MOLECULAR AND TRANSLATIONAL MEDICINE

Learning Objectives	The activities of the PhD Course cover the area of "Life Sciences" and its biomedical applications, providing doctorate students with tools to understand the biological and physiopathological basis for treating and preventing diseases. The main objective is to provide unifying transversal knowledge and technologies which, in the post-genomic era, can combine basic medical disciplines that used to be separated (biochemistry, biology, molecular biology, physiology, pharmacology, general pathology, immunology, genetics, virology, pathological anatomy) to applied medical sciences and medical research. The long-standing collaboration with industries in the field of diagnostics, pharmaceuticals, IT and design of scientific equipment will be strengthened. This proves the interest of biotechnological and biomedical companies, which consider the activities of this PhD course as a concrete opportunity to step into or strengthen their presence in a steadily developing sector. At the same time, this collaboration offers a possible professional opportunity for doctorate students.
Academic disciplines	05/D (Physiology) 05/E (Experimental and Clinical Biochemistry and Molecular Biology) 05/F (Applied Biology) 05/I (Genetics and Microbiology) 06/A (Pathology and Laboratory Diagnostics) 06/B (General Clinical Medicine) 06/D (Specialised Clinical Medicine) 06/I (Clinical Radiology) 06/N (Healthcare Professions and Applied Medical Technologies)
Duration	3 years
Places available	13
Scholarships	<b>10 University of Milan</b>
Contact person of the PhD course	Prof. Mario Clerici, ordinary professor in the scientific-disciplinary field MED/04
Admission Criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
Evaluation of qualifications	– university career (course examinations taken): maximum 13 points;





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<u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- Any publications: maximum 3 points;</li><li>- Any professional experience and other qualifications held by the applicant: maximum 3 points;</li><li>- two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:mario.clerici@unimi.it">mario.clerici@unimi.it</a>): maximum 2 points;</li><li>- Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 9 points.</li></ul>
Date of evaluation of qualifications:	6 October 2014
Results of the evaluation of qualifications	Available from <b>7 October 2014</b> on the internet website <a href="http://sdmm.ariel.ctu.unimi.it/v1/home/PreviewArea.aspx">http://sdmm.ariel.ctu.unimi.it/v1/home/PreviewArea.aspx</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 16 and 17 October 2014 at 9:30pm</b> at the Didactic sector of LITA, Segrate - Via F.lli Cervi no. 93 - 20090 Segrate (MI).</p> <p>The schedule of oral examinations will be published on <a href="http://sdmm.ariel.ctu.unimi.it/v1/home/PreviewArea.aspx">http://sdmm.ariel.ctu.unimi.it/v1/home/PreviewArea.aspx</a> after the qualifications submitted by applicants have been evaluated.</p> <p>The examinations will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN EXPERIMENTAL MEDICINE AND MEDICAL BIOTECHNOLOGIES

Learning Objectives	The PhD Course in Experimental Medicine and Medical Biotechnologies focuses on the development and use of experimental preclinical approaches, advanced biotechnological and diagnostic laboratory methodologies for research on the aetiopathogenetic mechanisms at the basis of human pathologies in different disciplinary fields. Its main objectives are the development of advanced technological and methodological competencies in the biomedical field, the acquisition of autonomy in planning, the creation of research projects, and the development of the skill to present experimental results. The PhD course also promotes exchanges with Italian and international research institutions and advanced training schools to achieve a high degree of internationalisation, also by involving foreign lecturers in research and training activities, enrolling foreign students and activating co-tutored individual programmes.
Academic disciplines	05/E (Experimental and Clinical Biochemistry and Molecular Biology) 05/F (Applied Biology) 05/G (Experimental and Clinical Pharmaceutical Sciences) 06/A (Pathology and Laboratory Diagnostics) 06/B (General Clinical Medicine) 06/D (Specialised Clinical Medicine) 06/N (Healthcare Professions and Applied Medical Technologies) 06/M (Public Health)
Duration	3 years
Places available	9
Scholarships	<b>7 University of Milan</b> <b>2 with funds provided by Progetto Giovani 2013</b> , reserved for priority research in the Italian framework: "Human health (study and treatment of tumours and degenerative illnesses through new approaches deriving from knowledge of the human genome)"
Contact person of the PhD course	Prof. Massimo Locati, adjunct professor in the scientific-disciplinary field MED/04
Admission Criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
Evaluation of qualifications	– university career (course examinations taken): maximum 10 points;



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<u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- Any publications: maximum 5 points;</li><li>- Any professional experience and other qualifications held by the applicant: maximum 5 points;</li><li>- two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:massimo.locati@unimi.it">massimo.locati@unimi.it</a>): maximum 5 points;</li><li>- Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 5 points.</li></ul>
Date of evaluation of qualifications:	6 October 2014
Results of the evaluation of qualifications	Available from <b>10 October 2014</b> on the internet website <a href="http://www.biometra.unimi.it">http://www.biometra.unimi.it</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 16 October 2014 at 9:00 am</i> at the Department of Medical Biotechnologies and Translational Medicine - Via Vanvitelli no. 32 - 20133 Milan.</p> <p>The interview will be held in Italian or English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN INTEGRATIVE BIOMEDICAL RESEARCH

Learning Objectives	The course aims to train researchers with skills in the scientific and project management methods for basic and applied physiological and morphofunctional research in the fields of biomedicine and sport. Lecturers aim to promote studies, which analyse morphological and physiological aspects of biological structures at every level of structural organisation, from cells to tissues, from organs to the whole human body, their alterations and person/environment interactions in an integrated way, both from a qualitative and a quantitative point of view. The convergence of biomorphological and physiological approaches is particularly important for those who wish to dedicate their studies to advanced research in the field of biology and cell physiology, focusing in particular on the relationship between structure and function in cell membranes, where anatomy and physiology find enough space for synthesis and integration, on the nervous and endocrine systems, motor control, biomechanics of movement and locomotion, and on physical and sports activities.
Academic disciplines	05/B (Animal Biology and Anthropology) 05/D (Physiology) 05/F (Applied Biology) 05/G (Experimental and Clinical Pharmaceutical Science) 05/H (Human Anatomy and Histology) 06/B (General Clinical Medicine) 06/D (Specialised Clinical Medicine) 06/F (Integrated Clinical Surgery) 06/I (Clinical Radiologic) 06/M (Public Healthcare) 06/N (Healthcare Professions and Applied Medical Technologies) 09/G (Systems Engineering and Bioengineering) 11/D (Pedagogy)
Duration	3 years
Places available	10
Scholarships	<b>9 University of Milan</b> <b>1 with funds provided by Progetto Giovani 2013</b> , reserved for priority research in the Italian framework: "New applications of the biomedical industry"
Contact person of the PhD course	Prof. Chiarella Sforza, ordinary professor in the scientific-disciplinary field BIO/16
Curriculum	<ol style="list-style-type: none"> <li>1. Molecular and Cellular Physiology</li> <li>2. Morphology</li> <li>3. Neurosciences</li> <li>4. Sport Sciences</li> <li>5. Systems Physiology</li> </ol>



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Admission Criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 20 points Interview: maximum 40 points

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>– university career (course examinations taken): maximum 6 points;</li><li>– Any publications: maximum 5 points;</li><li>– Any professional experience and other qualifications held by the applicant: maximum 3 points;</li><li>– two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:chiarella.sforza@unimi.it">chiarella.sforza@unimi.it</a>): maximum 1 point;</li><li>– Research project, prepared according to the form attached to the call for applications, prepared by the applicant, which does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 5 points.</li></ul>
Date of evaluation of qualifications:	6 October 2014
Results of the evaluation of qualifications	Available from <b>8 October 2014</b> on the internet website <a href="http://www.scibis.unimi.it/ecm/home/didattica/scuola-di-dottorato/ricerca-biomedica-integrata">http://www.scibis.unimi.it/ecm/home/didattica/scuola-di-dottorato/ricerca-biomedica-integrata</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 9 and 10 October 2014 at 2:00pm at the Department of Biomedical Sciences for Health - Via Mangiagalli no. 31 - 20133 Milan.</i></p> <p>The schedule of oral examinations will be published on the PhD website <a href="http://www.scibis.unimi.it/ecm/home/didattica/scuola-di-dottorato/ricerca-biomedica-integrata">http://www.scibis.unimi.it/ecm/home/didattica/scuola-di-dottorato/ricerca-biomedica-integrata</a> after the qualifications submitted by applicants have been evaluated.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>This diary of admission examinations constitutes official notice for the interested parties.</b></p>



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## PHD COURSE IN ENVIRONMENTAL SCIENCES

<p>Learning Objectives</p>	<p>The PhD Course provides solid preparation and training in research in the various fields typical of Environmental Sciences, promoting interdisciplinary interaction of students with Italian and foreign research groups and with institutions that, in various capacities, study and manage the environment, the territory and human health.</p> <p>The primary objectives of the learning and research path include providing and building the following skills:</p> <ul style="list-style-type: none"><li>- awareness and adequate knowledge of the multiple methodological, instrumental, analytical, statistical and model-based approaches to the study of the environment;</li><li>- the skill to perform interdisciplinary integration and synthesis of know-how resulting from the study of the various components of environmental systems and their complex interactions;</li><li>- qualification and scientific productivity as preparatory elements for a career in research institutes or other professional frameworks.</li></ul> <p>The PhD course in Environmental Sciences is highly interdisciplinary, centred on ensuring high standards of learning in the integrated study of complex environmental systems regarding:</p> <ul style="list-style-type: none"><li>- biodiversity expressed at all levels of organisation, from genetic to molecular/metabolic and cellular, and to the organisation of organisms, populations and communities;</li><li>- relations at all organisational levels between bioethical factors, and between the latter and the abiotic environment, even in its anthropogenic components;</li><li>- interactions between Man and the environment, even diachronically, both in terms of analysis of the effect of anthropic activities and disturbance on highly natural environments and, mutually, in terms of evaluation of the exposure and effects of the quality of the living and working environment on the toxicological risk and on the health hazard.</li></ul> <p>The Course particularly focuses on certain general themes in which the members of the Faculty Committee possess particular competencies, namely:</p> <ul style="list-style-type: none"><li>- analysis of natural environments and of those disturbed by Man; study of environmental pollution and of its ecotoxicological consequences, especially the effects and mechanisms of action of exposure to contaminants (xenobiotics, agents that interfere with the endocrine system, atmospheric particulate), or of environmental stress on biological processes, both <i>in vivo</i> and <i>in vitro</i> (damage to the DNA and to proteins, cell damage, reproductive anomalies, alterations in development, teratogenesis and other biomarkers, both in animal and human models), and genetic, epigenetic and molecular mechanisms that control the cell cycle, the metabolism, or that form the molecular grounds for resistance to</li></ul>
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	<p>parasites (in vegetal models);</p> <ul style="list-style-type: none"><li>- study in vegetal and animal models of genetic and environmental adaptation and determinism of phenotypic variability in morphological, physiological and behavioural characters; of the expression of phenotypic plasticity and of the evolution of populations, including speciation processes, in response to variable environmental conditions as a result of natural and anthropogenic effects, to the consequences of climate changes, of the fragmentation and alteration of habitats and of direct human interference; study of symbiotic relations with particular reference to pathogenic mechanisms in antagonist symbiotic systems, to the evolutionary and phylogenetic aspects of symbiotic relations and to the application of symbionts for biocontrol;</li><li>- analysis of the consequences of climatic factors, of alterations in the structure of past and present natural habitats and of the transformations in zootechnical, agricultural and forestry practices on demography and the distribution of populations, the composition of communities and conservation of endangered species, in view of predicting, preventing and mitigating the consequences, even in socioeconomic terms, of environmental damage, and of the development of methods for the recovery of degraded environments or biocontrol of antieconomic species;</li><li>- study of land surface modelling processes and of the evolution of the territory with regard to the structural and lithological component, to climate control, to the anthropic component and to present and past biotic communities; Conservation of cultural and paleontological heritage and of the landscape; variations in geomorphological systems and subsequent changes in the environmental hazard and risk scenarios; study of the soil, of surface deposits and of the landscape as evidence of mutual conditioning between Man and the environment; environmental indicators of climate change and paleobiology of fossil populations;</li><li>- research on teaching methods adopted in secondary schools for subjects related to the Course.</li></ul> <p>Course website: <a href="http://users2.unimi.it/envIRON_sci/">http://users2.unimi.it/envIRON_sci/</a></p>
Academic disciplines	01/A (Mathematics) 02/C (Astronomy, Astrophysics, Earth and Planetary Physics) 03/A (Analytical, Chemical-Physical) 04/A (Geosciences) 05/A (Vegetal Biology) 05/B (Animal Biology And Anthropology) 05/C (Ecology) 05/D (Physiology) 05/G (Experimental and Clinical Pharmacological Sciences) 05/H (Human Anatomy and Histology) 05/I (Genetics and Microbiology) 06/M (Public Health)



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	07/C (Agricultural, Forestry and Biosystem Engineering) 07/E (Agricultural Chemistry and Genetics) 07/G (Animal Sciences and Technologies) 07/H (Veterinary Medicine) 13/A (Economics) 14/D (Applied Sociology)
Duration	3 years
Places available	9
Scholarships	<b>7 University of Milan</b>
Contact person of the PhD course	Prof. Nicola Saino, ordinary professor in the scientific-disciplinary field BIO/07
Admission criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"> <li>– university career (course examinations taken): maximum 10 points;</li> <li>– Any publications: maximum 4 points;</li> <li>– Any professional experience and other qualifications held by the applicant: maximum 2 points;</li> <li>– two reference letters, written and signed according to a special form prepared by the administration, by persons qualified to identify the distinctive traits of the applicant as they had a role in educating the same (to be sent by e-mail to <a href="mailto:margherita.russo@unimi.it">margherita.russo@unimi.it</a>): maximum 1 point;</li> <li>– Research project, prepared according to the form attached to the call for applications, prepared by the applicant, that does not constitute any obligation regarding the subsequent choice of PhD thesis: maximum 13 points</li> </ul>
Date of evaluation of qualifications	9 October 2014
Results of the evaluation of qualifications	Available from <b>11 October 2014</b> on the internet website <a href="http://www.dbs.unimi.it/ecm/home">http://www.dbs.unimi.it/ecm/home</a> .

<b>Stage two</b>	
Examination diary	<p><b>Interview: 15 October 2014 at 9:00am</b> at the Department of Biosciences (BS Hall) - Via Celoria no.26 - 20133 Milan.</p> <p>The interview will be held in English. The research project will be illustrated by way of a PowerPoint presentation.</p>





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	<b>The diary of admission examinations constitutes official notice for the interested parties.</b>
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## PHD COURSE IN BIOCHEMICAL SCIENCES

Learning Objectives	<p>The PhD course promotes training and research in the field of biochemical, biotechnological and clinical sciences applied to biological, agri-food, veterinary and medical sciences, to promote and maintain human health, improve industrial and agri-food production and, in a broad sense, solve problems that concern the wellbeing of both the individual and society.</p> <p>It is presented as an interdepartmental initiative designed to encourage cooperation and establish relations based on information exchange with high multidisciplinary standards even with Italian and international research institutions, and with advanced education institutions, and cooperation with the entrepreneurial productive system that has said interests in common.</p> <p>The principal objective of the PhD course is to achieve considerable international acknowledgement by involving foreign professors in structured research and training activities, by enrolling foreign doctorate students, by envisaging dissertations jointly organised by both universities, and by promoting study and research periods abroad for its own doctorate students.</p>
Academic disciplines	<p>02/B (Physics of Matter)            05/E (Experimental and Clinical Biochemistry and Molecular Biology)            06/D (Specialized Clinical Medicine)            06/N (Healthcare Professions and Applied Medical Technologies)</p>
Duration	3 years
Places available	9
Scholarships	<p><b>5 for the University of Milan</b>  <b>1 with funds provided by Progetto Giovani 2013</b>, reserved for research centred on a priority Italian investigational framework "Human health (study and treatment of tumours and degenerative diseases through new approaches deriving from knowledge of the human genome)"  <b>1 funded by the Department of Pharmacological and Biomolecular Sciences</b></p>
Contact person of the PhD course	prof. Sandro Sonnino, ordinary professor in the scientific-disciplinary field BIO/10
Admission criteria	<p>Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree 509/99:</p> <ul style="list-style-type: none"> <li>LM-6 Biology,</li> <li>LM-7 Agricultural Biotechnology,</li> <li>LM-8 Industrial Biotechnology,</li> <li>LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,</li> <li>LM-13 Pharmacy and Industrial Pharmacy,</li> </ul>



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	<p>LM-17 Physics,          LM-18 Computer Science,          LM-21 Biomedical Engineering,          LM-22 Chemical Engineering,          LM-35 Environmental and Territorial Engineering;          LM-41 Medicine and Surgery,          LM-42 Veterinary Medicine,          LM-46 Dentistry and Orthodontics,          LM-47 Organisation and Management of Services for Sports and Motor Activities,          LM-54 Chemical Sciences,          LM-60 Natural Sciences,          LM-61 Human Nutritional Science,          LM-67 Science and Techniques of Preventive and Adapted Motor Activities,          LM-68 Sports Sciences and Techniques,          LM-69 Agricultural Sciences and Technologies,          LM-70 Food Sciences And Technologies,          LM-71 Science and Technology of Industrial Chemistry,          LM-75 Environment and Territorial Science and Technology,          LM-86 Zootechnical Sciences and Animal Technology,          LM/SNT1 Nursing and Midwifery,          LM/SNT2 Health Professions for Rehabilitation,          LM/SNT3 Health Professions for Technical Assistance,          LM/SNT4 Health Professions for Preventive Care          LMR/02-Preservation and Restoration of Cultural Property.</p>
Distribution of marks	<p>Titles: maximum 20 points          Interview: maximum 40 points</p>

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p>	<ul style="list-style-type: none"> <li>– university career (course examinations passed ): maximum 2 points</li> <li>– any publications: maximum 6 points;</li> <li>– any professional experience and other qualifications possessed by the applicant: maximum 2 points;</li> <li>– two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:sandro.sonnino@unimi.it">sandro.sonnino@unimi.it</a> ): maximum 2 points;</li> <li>– a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 8 points.</li> </ul>
Date of evaluation of qualifications	7 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>9<sup>th</sup> October 2014</b> on the website at <a href="http://www.biometra.unimi.it">http://www.biometra.unimi.it</a> and at the facilities in via F.lli Cervi, 93 – 20090 Segrate (MILAN).



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<b>Stage two</b>	
Examination diary	<p><i>Interview: 10<sup>th</sup> October 2014 at 10.00 am</i> at the Department of Medical Biotechnology and Translational Medicine - via Fratelli Cervi, 93 - 20090 Segrate (MILAN).</p> <p>The interview will be held in English.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



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## PHD COURSE IN *LITERATURE, ARTS AND ENVIRONMENTAL HERITAGE*

Learning objectives	The PhD course in Literature, arts and environmental heritage is structured around two central ideas: the "text" (broadly considered as the product of an intentional creative action), its history and its success, the forms of its production and reception; and the "context," the overall historical and environmental circumstances in which the production of the text takes place. The new structure issues from experience developed during previous PhD courses in Classical Antiquity, History of Italian language and Literature, Cultural and Environmental Heritage Sciences, whose cultural contents typical of each converging sector (philology, literature and linguistics, history and classical antiquity, archaeology, history of art, of music and of performing arts, human environmental sciences), will be deeply understood, developed and reorganised in an extensive and harmonious multidisciplinary synthesis.
Academic disciplines	10/A (Archaeological Science) 10/B (History of Art) 10/C (Music, Drama, Cinema, Television and Audiovisual Media) 10/D (Classical Antiquity Sciences) 10/E (Middle Latin and Romance Philologies and Literatures) 10/F (Italian Studies and Comparative Literature) 10/G (Glottology and Linguistics) 10/N (Eastern Cultures) 11/A (Historical Disciplines) 11/B (Geography) 11/C (Philosophy) 11/E (Psychology)
Duration	3 years
Places available	8
Scholarships	<b>7 for the University of Milan</b>
Contact person of the PhD course	prof. Gianfranco Fiaccadori, ordinary professor in the scientific-disciplinary field L-ANT/08
Admission criteria	Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree 509/99: LM-2 Archaeology, LM-3 Landscape Architecture, LM-4 Architecture and Building Engineering, LM-5 Archive-Keeping and Librarianship, LM-10 Conservation of Architectural and Environmental Heritage, LM-11 Cultural Heritage Conservation Sciences, LM-12 Design,



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	<p>LM-14 Modern Philology,          LM-15 Philology, Literatures and History of Classical Antiquity,          LM-19 Information and Editorial Systems,          LM-36 Languages and Literatures of Africa and Asia,          LM-37 Modern European and American Languages and Literatures,          LM-38 Modern Languages for International Communication and Cooperation,          LM-39 Linguistics,          LM-45 Musicology and Musical Heritage,          LM-48 Territorial Urban and Environmental Planning,          LM-49 Design and Management of Tourist Systems,          LM-50 Programming and Management of Educational Services,          LM-51 Psychology,          LM-65 Performance Arts and Multimedia Production Sciences,          LM-75 Sciences and technologies for environment and landscape,          LM-78 Philosophical Sciences,          LM-80 Geographical Sciences,          LM-84 Historical Sciences,          LM-89 History of Art,          LM-94 Specialised Translation and Interpreting,          LMR/02 Conservation and Restoration of Cultural Heritage.</p>
Distribution of marks	<p>Titles: maximum 40 points          Examinations: maximum 20 points</p>

***The admission to the PhD consists of two stages:***

<b>Prima fase</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p> <p>Qualifications and scientific publications can be written in Italian, in English or in one of the consentaneous languages of the reference subject.</p>	<ul style="list-style-type: none"> <li>– university career (course examinations passed ): maximum 4 points</li> <li>– any publications: maximum 7 points;</li> <li>– any professional experience and other qualifications possessed by the applicant: maximum 7 points;</li> <li>– two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:gianfranco.fiaccadori@unimi.it">gianfranco.fiaccadori@unimi.it</a>): maximum 2 points;</li> <li>– a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 20 points.</li> </ul>
Date of evaluation of qualifications	6 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from 7 <sup>th</sup> <b>October 2014</b> on the website at <a href="http://www.bac.unimi.it">http://www.bac.unimi.it</a>



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*Institutional, International and Training Issues Area*

*University Training and Permanent Training Division*

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<b>Stage two</b>	
Examination diary	<p><i>Oral examination: 13<sup>th</sup> October 2014 at 10.00 am</i> at the Department of Cultural and Environmental Heritage - via Noto, 6 - 20141 Milan.</p> <p>The aim of the oral examination is to ascertain the preparation, capacities and attitudes of the applicant for scientific research as well as his personal motivations. The finality of the oral examination is to verify the applicant's specific knowledge of arguments concerning the training and scientific orientations of the PhD and includes the formal presentation by the applicant of the research project proposed.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



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## PHD COURSE IN NUTRITIONAL SCIENCES

Learning objectives	The PhD course in Nutritional Sciences promotes integrated multidisciplinary and translational training to face themes and problems regarding physiological and pathological processes during the entire life cycle, from conception and pregnancy to geriatrics, with special reference to chronic-degenerative diseases that are currently most common, such as tumours, cardiovascular and neurological diseases related to lifestyle and, particularly, to nutrition. The PhD course will also provide in-depth knowledge of animal nutrition and food safety with special reference to innovative nutritional strategies studied to improve foodstuffs that can be beneficial to human health.
Academic disciplines	03/D (Pharmaceutical, Technological, Nutritional) 05/D (Physiology) 05/E (Experimental and Clinical Biochemistry and Molecular Biology) 05/G (Experimental and Clinical Pharmacological Sciences) 06/A (Pathology and Laboratory Diagnostics) 06/B (General Clinical Medicine) 06/C (General Clinical Surgery) 06/D (Specialised Clinical Medicine) 06/E (Specialised Clinical Surgery) 06/F (Integrated Clinical Surgery) 06/G (Clinical Paediatrics) 06/H (Clinical Gynaecology) 06/N (Healthcare Professions and Applied Medical Technologies) 07/B (Agricultural and Forest Cultivation Systems) 07/D (Entomology and Plant Pathology) 07/E (Agricultural Chemistry and Genetics) 07/G (Animal Sciences and Technologies) 07/H (Veterinary Medicine) 11/E (Psychology)
Duration	3 years
Places available	7
Scholarships	<b>7 University of Milan</b>
Contact person of the PhD course	prof. Gian Vincenzo Zuccotti, ordinary professor in the scientific-disciplinary field MED/38
Curricula	<ol style="list-style-type: none"><li>1. Nutrition and lifestyles in health or disease in the various phases of the life cycle. Multidisciplinary approach to the study of metabolic routes that are sensitive to nutrients.</li><li>2. Animal nutrition, food safety and impact on human health</li></ol>
Admission criteria	Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree





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	<p>509/99:</p> <p>LM-6 Biology,          LM-7 Agricultural Biotechnology,          LM-8 Industrial Biotechnology,          LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,          LM-13 Pharmacy and Industrial Pharmacy,          LM-21 Biomedical Engineering,          LM-41 Medicine and Surgery,          LM-42 Veterinary Medicine,          LM-47 Organization and Management of Services for Sports and Motor Activities ,          LM-51 Psychology,          LM-54 Chemical Sciences,          LM-55 Cognitive Sciences,          LM-57 Adult Education and Continuous Learning Sciences,          LM-61 Human Nutritional Science,          LM-67 Sciences and Techniques of Preventive and Adapted Physical Activities,          LM-68 Sports Sciences and Techniques,          LM-69 Agricultural Sciences and Technologies,          LM-70 Food Sciences and Technologies,          Lm-71 Industrial Chemistry Technologies and Sciences,          LM-75 Sciences and technologies for environment and landscape,          LM-86 Zootechnical Sciences and Animal Technologies,          LM/SNT1 Nursing and Midwifery,          LM/SNT2 Health Professions for Rehabilitation,          LM/SNT3 Health Professions for Technical Assistance,          LM/SNT4 Health Professions for Preventive Care</p>
Distribution of marks	<p>Titles: maximum 30 points          Interview: maximum 30 points</p>

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p>	<ul style="list-style-type: none"> <li>- university career (course examinations passed): maximum 7 points</li> <li>- any publications: maximum 3 points;</li> <li>- any professional experience and other qualifications possessed by the applicant: maximum 4 points;</li> <li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:gianvincenzo.zuccotti@unimi.it">gianvincenzo.zuccotti@unimi.it</a>): maximum 6 points;</li> <li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 10 points.</li> </ul>



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Date of evaluation of qualifications	14 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>15<sup>th</sup> October 2014</b> on the website at <a href="http://sdsn.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx">http://sdsn.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 17<sup>th</sup> October 2014 at 10.00 am at the "L. Sacco" Department of Biomedical and Clinical Sciences (classroom with 40 seats - first floor) - via G.B. Grassi, 74 - 20157 Milan.</i></p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



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## PHD COURSE IN EARTH SCIENCES

<b>Learning Objectives</b>	<p>The PhD Course in Earth Sciences aims to especially train young researchers to autonomously investigate a broad range of geoscience disciplines. The course is particularly designed to provide advanced specialised preparation (1) in basic, applied and theoretical research on problems related to the structure, composition, evolution and dynamics of the Earth; (2) in characterisation and modelling of the Earth System, and (3) in basic and applied research on the use of the territory, natural risks, energy and water resources, geomaterials, prospecting for minerals.</p> <p>The geological perspective of the overall function of the Earth System includes research centred on the processes at work both on the surface and inside the Earth, on their impact on ecosystems and human activities and, conversely, the short and long-term consequences of human activity on the environment. The complex interactions between geosphere, biosphere, atmosphere and hydrosphere are stored in the geological record, which can be decoded to: a) trace the development and evolution of our planet by combining experimental observations and models; b) define the natural resources (oil, gas, mineral raw materials, water), their use and sustainable exploitation; c) evaluate the geological risks (e.g., earthquakes, volcanic eruptions, floods, landslides); d) design geological engineering works and infrastructures; e) implement environmental reclamation technologies; f) develop the exploitation of raw materials for industrial applications; g) preserve and make the most of our cultural geo-paleontological heritage; h) evaluate forensic applications.</p> <p>The learning programme is organised to meet teaching and research requirements related to the broad spectrum of geosciences. The research themes developed during the PhD Course in Earth Sciences are highly topical with extensive international relevance, as proven by the close cooperation in progress with some of the leading international research institutions. Special importance is given to train researchers to face complex topics of research in an independent and innovative manner. Training provided for the doctorate student envisages attending short courses and workshops, work experiences in Italian and international institutions/laboratories, collaborations with industries, participation in Italian and international conferences and workshops, and other activities focused on integrating individual preparation.</p>
Academic disciplines	04/A (Geosciences) 08/A (Infrastructural and territorial engineering)
Duration	3 years
Places available	6



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Scholarships	<b>5 University of Milan</b>
Contact person of the PhD course	prof. Elisabetta Erba, ordinary professor in the scientific-disciplinary field GEO/01
Admission criteria	<p>LM-17 Physics,            LM-18 Computer Sciences,            LM-22 Chemical Engineering,            LM-23 Civil Engineering,            LM-27 Telecommunications Engineering,            LM-29 Electronic Engineering,            LM-30 Energetic and Nuclear Engineering,            LM-32 Computer Engineering,            LM-34 Naval Engineering,            LM-35 Environmental and Territorial Engineering,            LM-40 Mathematics,            LM-48 Regional, Urban and Environmental Planning,            LM-53 Materials Science and Engineering,            LM-54 Chemical Sciences,            LM-58 Sciences of the Universe,            LM-60 Nature Sciences,            LM-69 Agricultural Science and Technology,            LM-71 Science and Technology of Industrial Chemistry,            LM-72 Science and Technology of Navigation,            LM-73 Forest and Environmental Science and Technology,            LM-74 Geological Sciences and Technologies,            LM-75 Sciences and Technologies for Environment and Landscape,            LM-79 Geophysical Sciences,            LM-82 Statistical Sciences.</p>
Distribution of marks	<p>Titles: maximum 30 points            Interview: maximum 30 points</p>

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
<p>Evaluation of qualifications</p> <p><u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u></p>	<ul style="list-style-type: none"> <li>– university career (course examinations passed): maximum 10 points</li> <li>– any publications: maximum 5 points;</li> <li>– any professional experience and other qualifications possessed by the applicant: maximum 2 points;</li> <li>– two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:elisabetta.erba@unimi.it">elisabetta.erba@unimi.it</a>): maximum 3 points;</li> <li>– a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 10 points.</li> </ul>
Date of evaluation of qualifications	9 <sup>th</sup> October 2014



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Results of the evaluation of qualifications	Available from <b>14<sup>th</sup> October 2014</b> on the website at <a href="http://users.unimi.it/sdtab/sdt.html">http://users.unimi.it/sdtab/sdt.html</a>
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<b>Stage two</b>	
Examination diary	<p><i>Interview: 17<sup>th</sup> October 2014 at 10.00 am</i> at the "A. Desio" Department of Earth Sciences (Sala Magistretti – first floor) - via Botticelli, 23 - 20133 Milano.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



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## PHD COURSE IN PHARMACEUTICAL SCIENCES

Learning objectives	<p>The PhD Course is designed to train highly skilled doctors to work successfully in the industrial and academic fields, and in the sector of medicines and healthcare products. The training, which aims at especially providing advanced knowledge in the pharmaceutical sector, both methodological and in terms of cultural and scientific contents, consists of a theoretical section and one of intensive research activities, both centred on design, synthesis, development and control of new biologically active compounds, of new pharmaceutical forms, of special foods, of cosmetics, of biocides, of medical devices, typical themes of the scientific-disciplinary fields involved in the PhD course. The scientific sectors can be summarised as specified below:</p> <ul style="list-style-type: none"><li>- Design and synthesis of biologically active compounds</li><li>- Pharmaceutical, biopharmaceutical and toxicological analysis</li><li>- Metabolism of medicines and pharmacokinetics</li><li>- Pharmaceutical technology and legislation</li><li>- Chemistry of foods and of dietary products</li><li>- Fermentation biotechnology and chemistry</li><li>- Synthesis, special techniques and chemical-physical characterisation of products with high biological activity</li><li>- Medicinal plants and active ingredients of vegetal origin</li><li>- Statistical methods for experimental data processing in the chemical analysis laboratory.</li></ul>
Academic disciplines	03/A (Analytical, chemical-physical) 03/B (Inorganic, technological) 03/C (Organic, industrial) 03/D (Pharmaceutical, technological, nutritional) 05/A (Vegetal biology)
Duration	3 years
Places available	5
Scholarships	<b>4 University of Milan,</b> <b>1 with funds provided by the Progetto Giovani 2013,</b> reserved for research centred on a priority Italian investigational framework "Relaunching the pharmaceutical industry also through fine chemistry of natural compounds for new diagnostic applications and new active ingredients"
Contact person of the PhD course	prof. Marina Carini, ordinary professor in the scientific-disciplinary field CHIM/08
Admission criteria	Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree 509/99: LM-6 Biology, LM-8 Industrial Biotechnology, LM-9 Medical, Veterinary and Pharmaceutical Biotechnology



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	LM-13 Pharmacy and Industrial Pharmacy, LM-22 Chemical Engineering, LM-54 Chemical Sciences, LM-61 Science of Human Nutrition LM-69 Agricultural Science and Technology LM-70 Food Sciences and Technologies, LM-71 Industrial Chemistry Sciences and Technologies
Distribution of marks	Titles: maximum 30 marks Interview: maximum 30 marks

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>– university career (course examinations passed): maximum 14 points</li><li>– any publications: maximum 3 points;</li><li>– any professional experience and other qualifications possessed by the applicant: maximum 3 points;</li><li>– two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:marina.carini@unimi.it">marina.carini@unimi.it</a>): maximum 2 points;</li><li>– a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 8 points</li></ul>
Date of evaluation of qualifications	8 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>9<sup>th</sup> October 2014</b> on the website at <a href="http://www.disfarm.unimi.it/ecm/home/didattica/dottorati/scienze-farmaceutiche">http://www.disfarm.unimi.it/ecm/home/didattica/dottorati/scienze-farmaceutiche</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 15<sup>th</sup> October 2014 at 01.30 pm</b> at the Department of Pharmaceutical Sciences (Meeting room - first floor) - via L. Mangiagalli, 25 - 20133 Milan.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>The diary of admission exams is official notice for the interested parties</b></p>



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## PHD COURSE IN EXPERIMENTAL AND CLINICAL PHARMACOLOGICAL SCIENCES

Learning objectives	<p>The PhD course, which ranks as university level third stage, makes the most of the multidisciplinary knowledge of the Faculty Committee to train expert pharmacologists in the most modern applicational aspects of pharmacology. Said features include the following: the physiopathological and biomolecular investigational bases for research centred on finding therapeutic tools that are highly specific for the single diseases and for the individual patients; the investigational tools required to study the mechanism of action, the pharmacological/therapeutic effects and the undesirable or potentially toxic aspects of active compounds, even of vegetal origin (pharmacognosy); innovative technologies with high qualitative and quantitative standards in the development, preclinical evaluation and clinical use of drugs; toxicological expertise to identify potential adverse effects of active ingredients in the preclinical and clinical phases of a study, including the definition of criteria to protect health against hazards resulting from direct intake (e.g., medications, food additives) or indirect intake (e.g., environmental pollutants, industrial solvents) of chemical, physical and biological agents.</p> <p>Concluding, students will develop a “pharmacological” culture that can be applied to both academic and industrial research that allows effective translational transfer “from bench to bed” with a multidisciplinary approach that is essential for public health.</p>
Academic disciplines	05/G (Experimental and Clinical Pharmacological Sciences)
Duration	3 years
Places available	15
Scholarships	<p><b>8 University of Milan</b></p> <p><b>2 with funds provided by the Progetto Giovani 2013</b>, reserved for research centred on a priority Italian investigational framework “Human health (study and treatment of tumours and degenerative diseases with new approaches resulting from knowledge of the human genoma),” and “Relaunch of the pharmaceutical industry also through the fine chemistry of natural compounds for new diagnostic applications and new active ingredients”</p> <p><b>1 with funds provided by the C.E.N.D - Center of Excellence on Neurodegenerative Diseases</b> for the research program “Study of the consequences of the cessation of the ovarian functions on the hepatic metabolism regulated by the oestrogen receptor”</p> <p><b>2 with funds provided by the Istituto di Neuroscienze del Consiglio Nazionale delle Ricerche (CNR)</b>, of which one for the research program “Characterization of the synaptic plasticity in the MeCP2 gene knockout neurons” and one for the research program “Characterization of an</p>





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	animal model for ARGHAP22, a gene involved in synaptic plasticity”
Contact person of the PhD course	prof. Alberto Panerai, ordinary professor in the scientific-disciplinary field BIO/14
Admission criteria	Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree 509/99: LM-6 Biology, LM-7 Agricultural Biotechnology, LM-8 Industrial Biotechnology, LM-9 Medical, Veterinary and Pharmaceutical Biotechnology, LM-13 Pharmacy and Industrial Pharmacy, LM-41 Medicine and Surgery, LM-61 Human Nutritional Science, LM-70 Food Sciences and Technologies.
Distribution of marks	Titles: maximum 20 points Interview: maximum 40 points

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
Evaluation of qualifications <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations passed): maximum 7 points</li><li>- any publications: maximum 3 points;</li><li>- any professional experience and other qualifications possessed by the applicant: maximum 3 points;</li><li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:alberto.panerai@unimi.it">alberto.panerai@unimi.it</a>): maximum 1 point;</li><li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 6 points</li></ul>
Date of evaluation of qualifications	8 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>9<sup>th</sup> October 2014</b> on the website at <a href="http://users2.unimi.it/scuolascifarm/">http://users2.unimi.it/scuolascifarm/</a>

<b>Stage two</b>	
Examination diary	<b>Interview: 10<sup>th</sup>, 13<sup>th</sup> and 17<sup>th</sup> October 2014 at 2.00 pm</b> at the Department of Pharmacological and Biomolecular Sciences (class H) - via Balzaretti, 9 - 20133 Milano.



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The interview will be held in Italian or in English, as preferred by the applicant.

**The diary of admission exams is official notice for the interested parties.**



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## PHD COURSE IN NATIONAL AND INTERNATIONAL LEGAL STUDIES

Learning objectives	<p>The PhD course in National and international legal studies is an institutional venue for scientific and cultural debate designed to promote integration of a wide range of legal specialisations. Its principal objective is to adequately structure and interweave teaching activities and research-centred training of doctorate students with special focus on research methods and on the international and interdisciplinary evolution of law. The decision to propose a combined PhD course for all legal studies issues from past experience. On the one hand, unitariness has allowed to organise cycles of common professor-centred classes on transversal topics of the utmost interest, also involving highly authoritative external experts. On the other hand, focus on interdisciplinary themes allows to meet the important need of doctorate students to have up-to-date knowledge of the subject, considering the professional orientation of the training provided. Moreover, this approach offers the opportunity, which must not be missed, to promote international joint-tutorship for dissertations on borderline themes with interference between research, whose circularity cannot be established in advance, and all the disciplines of law sciences. The aims of the course include promoting institutional cooperation and exchange with leading international research centres.</p>
Academic disciplines	<p>12/A (Private law)            12/B (Commercial, maritime and labour law)            12/C (Constitutional and ecclesiastical law)            12/D (Administrative and tax law)            12/E (International, European Union, comparative, financial market law)            12/F (Civil procedure law)            12/G (Criminal law and procedure)            12/H (Roman law, history of medieval and modern law, and philosophy of law)            14/C (Sociology)</p>
Duration	3 years
Places available	26
Scholarships	<p><b>25 University of Milan</b>  <b>1 funded by the Istituto Nazionale per l'Assicurazione contro gli Infortuni sul Lavoro (INAIL)</b></p>
Contact person of the PhD course	Prof Silvio Ferrari, ordinary professor in the scientific-disciplinary field IUS/11
Curricula	<ol style="list-style-type: none"> <li>1. Constitutional and Administrative Law</li> <li>2. Private Law and Procedure</li> <li>3. Law and Business</li> <li>4. International and European Law</li> <li>5. Criminal Law and Procedure</li> <li>6. Legal Philosophy and Law &amp; Society</li> </ol>



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	7. Legal history and Religious Law: from Antiquity to the Present
Admission criteria	Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree 509/99: LM-38 Modern Languages for International Communication and Cooperation, LM-52 International Relations, LM-56 Economic and Social Sciences, LM-62 Political Sciences, LM-63 Public Administration Sciences, LM-78 Philosophical Sciences, LM-81 Sciences for Cooperation Towards Development, LM-84 Historical Sciences, LMG/01 Jurisprudence.
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations passed): maximum 8 points</li><li>- any publications: maximum 5 points;</li><li>- any professional experience and other qualifications possessed by the applicant: maximum 5 points;</li><li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:scuoladottgiur@unimi.it">scuoladottgiur@unimi.it</a>): maximum 2 points;</li><li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 10 points</li></ul>
Date of evaluation of qualifications	6 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>8<sup>th</sup> October 2014</b> on the website at <a href="http://scienzegiuridichephd.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx">http://scienzegiuridichephd.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx</a>

<b>Stage two</b>	
Examination diary	<i>Interview:</i> Starting from <b>9<sup>th</sup> October 2014</b> at <b>09.00 am</b> at the Department of Private Law and History of Law - via Festa del Perdono, 7 - 20121 Milano.  The detailed schedule of oral examinations will be published on the website <a href="http://scienzegiuridichephd.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx">http://scienzegiuridichephd.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx</a>



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[a.aspx](#) after titles presented by applicants have been evaluated.

The interview will be held in Italian, English, French or Spanish, as preferred by the applicant.

**The diary of admission exams is official notice for the interested parties.**



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## PHD COURSE IN MATHEMATICAL SCIENCES

Learning Objectives	The aim of the PhD Course in Mathematical Sciences is to provide doctorate students with the research techniques and methods typical of the sectors of contemporary Mathematics and its applications, both qualitative and quantitative, to obtain the wide ranging scientific and cultural autonomy required to produce original and significant results. The Course will produce experts who are skilled in exploiting the potential of mathematical tools and methods and of statistics to face the intrinsic complexity of problems placed by Applied Sciences and the Industry. The syllabus envisages, for the first year, in-depth learning principally with attendance of lessons and highly qualified workshops held by scholars chosen from the international Committee of Professors in order to offer students the opportunity to establish direct contact with the international scientific community. Each doctorate student will follow a "personal" training track under the guidance of a Tutor. Subsequently, released from the mandatory attendance of courses or examinations, the doctorate students will develop the chosen research project. Since the PhD dissertation constitutes the testing grounds to evaluate the skills and autonomy developed, it has been decided that a three-year PhD course must dedicate considerable effort and attention to the same.
Academic disciplines	01/A (Mathematics) 01/B (Computer Science) 09/H (Computer Engineering) 11/C (Philosophy) 13/D (Statistics and Mathematical Methods for Decisions)
Duration	3 years
Places available	13
Scholarships	<b>9 University of Milan,</b> <b>2 with funds provided by the Progetto Giovani 2013,</b> reserved for research centred on a priority Italian investigational framework "Transports and advanced logistics, infomobility of people and goods" and "ICT and electronic componentistic"
Contact person of the PhD course	prof. Giovanni Naldi, ordinary professor in the scientific-disciplinary field MAT/08
Admission criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 20 points Interview: maximum 40 points

***The admission to the PhD consists of two stages:***



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<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations passed): maximum 6 points</li><li>- any publications: maximum 2 points;</li><li>- any professional experience and other qualifications possessed by the applicant: maximum 3 points;</li><li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:giovanni.naldi@unimi.it">giovanni.naldi@unimi.it</a>): maximum 4 points;</li><li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 5 points</li></ul>
Date of evaluation of qualifications	6 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>7<sup>th</sup> October 2014</b> on the website at <a href="http://www.mat.unimi.it/dottorati/">http://www.mat.unimi.it/dottorati/</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 9<sup>th</sup> October 2014 at 9:30 am</i> at the "F. Enriques" Department of Mathematics - via Saldini, 50 - 20133 Milan.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*

*University Training and Permanent Training Division*

## PHD COURSE IN ORAL SCIENCES

Learning objectives	<ul style="list-style-type: none"> <li>- Detailed study of the pathogenesis of oral diseases and their diagnostic markers</li> <li>- Study of oral microbiota, identification of microbial pathogenic species with molecular biology diagnostic techniques</li> <li>- Evaluation of new biomaterials, dental implant systems, bone replacements, prosthetic surfaces, and definition of non-invasive techniques to monitor bone integration.</li> <li>- <i>In vitro</i> and <i>in vivo</i> studies on the properties and biological effects of platelet concentrates</li> <li>- Evaluation of risk factors in oral diseases with modern molecular biology and genetic techniques to identify the predictive genotype patterns.</li> <li>- Organisation of clinical trials to validate new surgical procedures.</li> <li>- Definition of epidemiological methods to evaluate the prevalence and incidence of oral diseases and the efficacy of preventive programmes</li> <li>- Definition of population-centred behavioural study procedures to analyse lifestyle habits (smoking, nutrition)</li> <li>- Study of masticatory biomechanics through electromiography and correlation with temporomandibular joint function</li> <li>- Definition of an evaluation procedure for patients submitted to implant-prosthetic rehabilitation involving various specialist competencies (implantology, orthodontics, prostheses, plastic and maxillofacial surgery)</li> <li>- Definition of management guidelines for the complications of maxillary sinus lift.</li> </ul>
Academic disciplines	02/B (Physics of Matter) 05/D (Physiology) 05/E (Experimental and Clinical Biochemistry and Molecular Biology) 05/F (Applied Biology) 05/G (Experimental and Clinical Pharmacological Sciences) 05/H (Human Anatomy and Histology) 06/A (Pathology and Laboratory Diagnostics) 06/B (General Clinical Medicine) 06/D (Specialised Clinical Medicine) 06/E (Specialised Clinical Surgery) 06/F (Integrated Clinical Surgery) 06/M (Public Health) 11/E (Psychology)
Duration	3 years
Places available	5
Scholarships	<b>5 University of Milan</b>
Contact person of the PhD course	prof. Roberto Weinstein, ordinary professor in the scientific-disciplinary field MED/28





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Admission criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 20 points Interview: maximum 40 points

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations passed): maximum 1 point</li><li>- any publications: maximum 3 points;</li><li>- any professional experience and other qualifications possessed by the applicant: maximum 2 points;</li><li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:roberto.weinstein@unimi.it">roberto.weinstein@unimi.it</a>): maximum 1 point;</li><li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 13 points</li></ul>
Date of evaluation of qualifications	8 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>9<sup>th</sup> October 2014</b> on the website at <a href="http://www.disbioc.unimi.it">http://www.disbioc.unimi.it</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 16<sup>th</sup> October 2014 at 9.00 am</b> at the Department of biomedical, surgical and dental sciences - via Riccardo Galeazzi, 4 – 20161 Milano.</p> <p>The interview will be held in English.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*

*University Training and Permanent Training Division*

## PHD COURSE IN FOOD SYSTEMS

<b>Learning Objectives</b>	The aim of learning activities proposed by this PhD Course is to prepare doctors and scholars, specialists in the nutritional sector, with international standard methodological know-how, autonomy and specific skills in scientific research dedicated to food systems. With these learning objectives, the PhD Course in Food Systems envisages many research frameworks that are not independent but mutually interconnected, and which can be basically defined as specified below: food technologies, process control and innovation; Microbiology of foods and Bioprocesses; Food Chemistry and Biochemistry; Human nutrition; Ecology of agri-food and agri-environmental systems.
Academic disciplines	03/A (Analytical, Chemical-Physical) 03/C (Organic, Industrial) 03/D (Pharmaceutical, Technological, Nutritional) 05/B (Animal Biology and Anthropology) 05/D (Physiology) 05/E (Experimental and Clinical Biochemistry and Molecular Biology) 06/D (Specialised Clinical Medicine) 07/A (Agricultural Economics and Rural Surveying) 07/C (Agricultural, Forestry and Biosystem Engineering) 07/D (Entomology and Plant Pathology) 07/F (Food Technologies and Agricultural Microbiology)
Duration	3 years
Places available	9
Scholarships	<b>7 University of Milan</b> <b>1 with funds provided by the Progetto Giovani 2013</b> , reserved for research centred on a priority Italian investigational framework "Optimisation of typical agri-food products and of food safety through new characterisation and quality assurance systems" <b>1 with funds provided by Davide Campari – Milano S.p.A.</b> for the research program "Sensory and consumer research for alcoholic beverages: new perspectives of study"
Contact person of the PhD course	prof. Francesco Bonomi, ordinary professor in the scientific-disciplinary field BIO/10
Curricula	1. Chemistry and biochemistry 2. Agri-environment 3. Food Science and Nutrition
Admission criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points



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*University Training and Permanent Training Division*

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>– university career (course examinations passed): maximum 7 points</li><li>– any publications: maximum 4 points;</li><li>– any professional experience and other qualifications possessed by the applicant: maximum 2 points;</li><li>– two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:francesco.bonomi@unimi.it">francesco.bonomi@unimi.it</a>): maximum 2 points;</li><li>– a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 15 points</li></ul>
Date of evaluation of qualifications	10 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>13<sup>th</sup> October 2014</b> on the website at <a href="http://www.defens.unimi.it">http://www.defens.unimi.it</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 17<sup>th</sup> October 2014 at 2.00 pm at the Department of Food Sciences, Nutrition and Environment - via Celoria, 2 – 20133 Milan.</i></p> <p>The interview will be held in English.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*

*University Training and Permanent Training Division*

## PHD COURSE IN VETERINARY AND ANIMAL SCIENCE

<b>Learning Objectives</b>	<p>The learning objectives of this PhD Course are specified below:</p> <ol style="list-style-type: none"> <li>1 coordinate university level third stage learning activities for all disciplines related to Veterinary Sciences and Animal Productions;</li> <li>2 provide the opportunity for scientific and cultural development of young graduates in disciplines that belong to this sector by developing advanced research programmes and providing highly specialised teaching programmes;</li> <li>3 use the intensive network of currently active collaborations and agreements between the Proposing professors and the production and entrepreneurial system that operates in the above sectors;</li> <li>4 exploit the many active partnerships with other Italian and international research institutions that are highly advanced and acknowledged in their respective fields of competence, and use the increased critical mass and multidisciplinary features to encourage the development of new and more organic partnerships;</li> <li>5 pursue all initiatives designed to develop internationalisation by involving foreign professors and students in the organised research and training activities.</li> </ol> <p>The list and description of the available research themes can be viewed on the course site:  <a href="http://users2.unimi.it/vas/index.php/class-30">http://users2.unimi.it/vas/index.php/class-30</a></p>
<b>Academic disciplines</b>	<p>05/E (Experimental and Clinical Biochemistry and Molecular Biology)  07/A (Agricultural Economics and Rural Surveying)  07/C (Agricultural, Forestry and Biosystem Engineering)  07/G (Animal Science and Technology)  07/H (Veterinary Medicine)</p>
<b>Duration</b>	<p>3 years</p>
<b>Places available</b>	<p>16</p>
<b>Scholarships</b>	<p><b>14 University of Milan,</b>  <b>1 with funds provided by Progetto Giovani 2013,</b>  reserved for research centred on a priority Italian investigational framework "Optimisation of typical agri-food products and of food safety through new characterisation and quality assurance systems"</p>
<b>Contact person of the PhD course</b>	<p>prof. Fulvio Gandolfi, ordinary professor in the scientific-disciplinary field VET/01</p>
<b>Admission criteria</b>	<p>All the two year specialisation courses (magistrale)</p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

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Distribution of marks	Titles: maximum 20 points Interview: maximum 40 points
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**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations passed): maximum 6 points</li><li>- any publications: maximum 4 points;</li><li>- any professional experience and other qualifications possessed by the applicant: maximum 2 points;</li><li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:fulvio.gandolfi@unimi.it">fulvio.gandolfi@unimi.it</a>): maximum 2 points;</li><li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 6 points</li></ul>
Date of evaluation of qualifications	7 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>10<sup>th</sup> October 2014</b> on the website at <a href="http://users2.unimi.it/vas/">http://users2.unimi.it/vas/</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 14<sup>th</sup> and 15<sup>th</sup> October 2014 at 9.00 am</b> at the Hall of the former Dean's Office, School of Veterinary Medicine - via Celoria, 10 - 20133 Milan.</p> <p>The interview will be held in English.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

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## PHD COURSE IN HISTORY, CULTURE, SOCIAL AND INSTITUTIONAL THEORIES

Learning objectives	<p>This PhD course centres on the historical background of society, culture and institutions, considered in all its complexity and articulated dynamics.</p> <p>The various perspectives can be briefly summarised as the expressions of cultural, political, religious, economic, institutional and administrative life. Appropriate tools will also be provided for a detailed study of methodology and correct use of sources.</p> <p>The primary aim of PhD course lessons is to develop the capacity of doctorate student to carry out high standard historical research. To achieve this goal, it is deemed essential to offer them the material and instruments required to autonomously define an investigational method. Said activity is designed to strengthen the critical sensitivity of doctorate students to enable them to learn the characteristics and unfolding of events and ideas with all their particular traits, ideal formulations, factual expressions, and to provide in-depth knowledge of the dedicated tools that are useful for said purpose.</p> <p>Along with a rigorous method, doctorate students will also acquire dedicated competencies and know-how, with the assistance of professors assigned to this PhD course. In this field, the interests of members of the Faculty Committee range from the multiple facets of historical and institutional issues to archive-keeping, paleography, bibliography and publishing, from historical methodology to economic history, from religious history to the history of thought.</p>
Academic disciplines	10/A (Archaeological Sciences) 11/A (Historical Disciplines) 13/C (History of Economy) 14/B (History of Politics)
Duration	3 years
Places available	4
Scholarships	<b>4 University of Milan</b>
Contact person of the PhD course	prof. Giulio Sapelli, ordinary professor in the scientific-disciplinary field SECS-P/12
Admission criteria	All the two year specialisation courses (magistrale)
Distribution of marks	Titles: maximum 30 points Interview: maximum 30 points

***The admission to the PhD consists of two stages:***

<b>Stage one</b>	
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Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>	<ul style="list-style-type: none"><li>- university career (course examinations passed): maximum 14 points</li><li>- any publications: maximum 4 points;</li><li>- any professional experience and other qualifications possessed by the applicant: maximum 2 points;</li><li>- two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:giulio.sapelli@unimi.it">giulio.sapelli@unimi.it</a>): maximum 2 points;</li><li>- a research project, prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 8 points</li></ul>
Date of evaluation of qualifications	7 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>8<sup>th</sup> October 2014</b> on the website at <a href="http://www.studistorici.unimi.it">http://www.studistorici.unimi.it</a>

<b>Stage two</b>	
Examination diary	<p><i>Interview: 15<sup>th</sup> October 2014 at 10.00 am</i> at the Library of Sciences of History and historical documentation (Hall of Cabinet Editions)- via Festa del Perdono, 7 - 20122 Milano.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*

*University Training and Permanent Training Division*

## PHD COURSE IN LINGUISTIC, LITERARY AND INTERCULTURAL STUDIES IN EUROPEAN AND EXTRA-EUROPEAN PERSPECTIVES

Learning objectives	<p>The PhD Course, which ranks as a university level third stage, promotes high standard training to carry out research on a broad spectrum of languages, literatures and cultures that concern several geographical areas (Europe, Africa, the Americas, Asia), and on correlated interlinguistic and intercultural phenomena. Besides basic methodological training, the learning objectives of each of the disciplines concerned are organised by research area and according to geographical and socio-cultural criteria. Hence, the doctorate students will first complete the learning activities of their area in detail through dedicated tailor-made lessons and workshops designed to encourage the commencement of autonomous research in their respective sectors. Moments of common training will also be offered, centred on contacts between the various linguistic areas involved, and on the three sectors – linguistic, literary and intercultural – already specified in the title of this PhD Course. Training also includes learning to use analytical IT tools, which are extensively exploited in the international framework. The final outcome of this learning track will be an international scholar in the best sense of the definition, a person who is fluent in several languages, skilled in understanding and discussing the scientific research of other European and non-European institutions, and able to mediate between Italian and international studies.</p>
Academic disciplines	<p>10/E (Philology and Middle Latin and Romance Literature) 10/F (Italian Studies and Comparative Literature) 10/H (French Studies) 10/I (Spanish Studies) 10/L (Anglistics and Anglo-American Studies) 10/M (Germanic and Slavonic Languages, Literature and Cultures) 10/N (Eastern Cultures) 11/A (Historical Disciplines) 13/C (History Of Economy)</p>
Duration	3 years
Places available	7
Scholarships	<b>7 University of Milan</b>
Contact person of the PhD course	prof. Giovanni Iamartino, ordinary professor in the scientific-disciplinary field L-LIN/12
Admission criteria	<p>Qualifications obtained in one of the following subjects of former Ministerial Decree 270/2004, or in one of the corresponding subjects of former Ministerial Decree 509/99:</p> <p>LM-14 Modern Philology, LM-36 Languages and Literatures of Africa and Asia,</p>





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	LM-37 Modern European and American Languages and Literatures, LM-38 Modern Languages for International Communication and Cooperation, LM-39 Linguistics, LM-94 Specialised Translation and Interpreting,
Distribution of marks	Titles: maximum 20 points Examinations: maximum 40 points

**The admission to the PhD consists of two stages:**

<b>Stage one</b>	
Evaluation of qualifications  <u>Qualifications must be provided following the indications mentioned in art. 3 of this document.</u>  Qualifications and scientific publications can be produced in Italian, English or in one of the languages studied.	<ul style="list-style-type: none"><li>– university career (course examinations passed): maximum 6 points</li><li>– any publications: maximum 2 points;</li><li>– any professional experience and other qualifications possessed by the applicant: maximum 3 points;</li><li>– two letters of reference, written and signed according to a special model prepared by the administration office, by subjects qualified to emphasize the particularities of the applicant in that they played a part in the education of the same (to be sent by e-mail to <a href="mailto:giovanni.iamartino@unimi.it">giovanni.iamartino@unimi.it</a>): maximum 2 points;</li><li>– a research project (with the indication of the specialisation language), prepared according to the model attached to this document, written by the applicant, which does not constitute any obligation to the subsequent choice of the dissertation topic: maximum 7 points</li></ul>
Date of evaluation of qualifications	7 <sup>th</sup> October 2014
Results of the evaluation of qualifications	Available from <b>9<sup>th</sup> October 2014</b> on the website at <a href="http://www.lingue.unimi.it">http://www.lingue.unimi.it</a>

<b>Stage two</b>	
Examination diary	<p><b>Interview: 13<sup>th</sup> October 2014 at 9.00 am</b> at the Department of Foreign Languages and Literature – Piazza S. Alessandro, 1 - 20123 Milano.</p> <p>The interview will be held in Italian or in English, as preferred by the applicant.</p> <p>The applicants will need to pass a preliminary oral test to verify fluency in the language of specialization indicated, that will take place on the same day, at the same time and place as the interview.</p> <p><b>The diary of admission exams is official notice for the interested parties.</b></p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area  
University Training and Permanent Training Division*

## ALLEGATO A

### DICHIARAZIONE SOSTITUTIVA DI ATTO NOTORIO

#### *Self drafted affidavit*

(art. 47 del DPR n° 445/2000)  
(art. 47 Presidential Decree n. 445/2000)

#### **Il sottoscritto/*the undersigned***

cognome/*surname* \_\_\_\_\_ nome/*name* \_\_\_\_\_

nato a/*born in* \_\_\_\_\_ il/*on* \_\_\_\_\_

consapevole delle sanzioni penali richiamate dall'articolo 76 del Dpr 445/2000 in caso di dichiarazioni non veritiere e falsità in atti

*aware that providing false data and using fake documents are crimes punishable by law (art. 75 and 76 of the Presidential Decree n. 445/2000)*

#### **dichiara sotto la propria personale responsabilità declares under his/her own responsibility**

che le pubblicazioni/ i titoli sotto elencati, prodotti in copia, sono conformi all'originale:

*that the publications and the qualifications listed below, produced as copies, comply with the originals:*

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che non presenta pubblicazioni o altri titoli/*No additional publication or qualification*

Milano, \_\_\_\_\_

Data/*date*

\_\_\_\_\_  
Firma/*Signature*

Ai sensi dell'art. 3 del DPR 445/2000 l'autocertificazione può essere utilizzata solo dai cittadini appartenenti all'Unione Europea. I cittadini non europei devono produrre documenti originali o in copia autenticata secondo la normativa vigente.

*According to the art. 3 of the Presidential Decree no. 445/2000, only Eu citizens are entitled to use this form. Non Eu citizens must submit the original documentation or photocopies authenticated in compliance with the law in force.*



# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*  
*University Training and Permanent Training Division*

## Modello 1

PROGETTO DI RICERCA / PROJECT			
Cognome e nome del candidato Applicant's Name		Corso di dottorato PhD	

1) Titolo del progetto / Project title
2) Sommario / Abstract
3) Obiettivi e rilevanza dei risultati ottenibili nel contesto dello stato dell'arte / Project aims and their relevance in the context of the state of the art
4) Descrizione del progetto / Project description
5) Bibliografia / References

Il progetto dovrà avere almeno 2.000 e non più di 4.000 parole, bibliografia esclusa.  
The project should have at least 2,000 and not more than 4,000 words, excluding references.



# UNIVERSITÀ DEGLI STUDI DI MILANO

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## Modello 2

### LETTERA DI REFERENZA

Cognome e nome del candidato		Corso di dottorato	
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Da compilare in tutte le parti

Cognome e nome del referente		Ruolo	
Università/Ente			
Indirizzo		Città	
CAP		Paese	
Telefono		Email	
Data			

Come valuta la qualità del candidato rispetto ad altri studenti di pari livello formativo (studenti di un corso, laureandi, ecc...)?

Sotto la media (50%)	Top 50%	Top 25%	Top 10%	Top 5%	Top 2%
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Come valuta l'attitudine del candidato alla attività di ricerca?

Inabilitato a rispondere	Sotto la media	Media	Buona	Ottima	Eccezionale
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Commento  
giudizio personale sul candidato





# UNIVERSITÀ DEGLI STUDI DI MILANO

*Institutional, International and Training Issues Area*  
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## Modello 3<sup>1</sup>

I, (Surname) \_\_\_\_\_ (Name) \_\_\_\_\_

Passport or Identity Card: no. \_\_\_\_\_

ask to sit the entrance examination in my own country. For this purpose:

- I am indicating where I will sit the examination:

- The University of \_\_\_\_\_
- The Institute of \_\_\_\_\_
- The Italian Embassy in \_\_\_\_\_
- Other \_\_\_\_\_

### LOCATED IN

Address:	No.	Zip Code:
Town/City:	Country:	
Telephone:		
E-mail:		
Skype or other account name:		

- I declare under my own responsibility that I will be identified by the following person<sup>2</sup>:

SURNAME: \_\_\_\_\_

NAME: \_\_\_\_\_

DATE OF BIRTH: \_\_\_\_\_

PLACE OF BIRTH: \_\_\_\_\_

TEL.: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

QUALIFICATION: \_\_\_\_\_

PASSPORT OR IDENTITY CARD: NO. \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

1 To complete only if the applicant is a foreign national not resident in Italy who wishes to sit the entrance exam in his/her home country.

2 The person who is going to identify the candidate cannot be the candidate.