



## Public Competition for Admission to Doctoral Research Programmes at the University of Milan a.y. 2022/2023.

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**PUBLIC COMPETITION FOR ADMISSION TO DOCTORAL RESEARCH PROGRAMMES AT THE UNIVERSITY OF MILAN - A.Y. 2022/2023.**

**THE RECTOR**

- having regard to Italian Ministerial Decree No. 270, dated 22 October 2004, entitled "Amendments to Regulation No. 509 containing rules governing the educational autonomy of Universities, passed by a Decree of the Ministry for Universities and Scientific and Technological Research on 3 November 1999";
- having regard to Article 4 of Italian Law No. 210, dated 3 July 1998, as amended by art. 19, paragraph 1, of Italian Law No. 240 dated 30 December 2010;
- having regard to Italian Regional Law No. 33, dated 13 December 2004, entitled "Rules governing Regional measures to ensure the right to study at university", which makes provisions for services in favour of students enrolled in doctoral programmes;
- having regard to Italian Ministerial Decree No. 226 dated 14 December 2021, "Regulation containing the accreditation methods of the locations and doctoral programmes and the criteria for the institution of doctoral programmes by accredited bodies";
- having regard to the Statute of the University of Milan, issued through Rectoral decree on 15 March 2012, as amended;
- having regard to the University Regulations regarding research doctorates issued by Rector's decree of 5 June 2015, as amended;
- having regard to the Ministerial decrees protocol no. 808 of 28 November 2018, protocol no. 917 of 15 October 2019, protocol no. 555 of 28 August 2020 and protocol no. 970 of 23 July 2021, whereby the Ministry of Education, Universities and Research (MUR), pursuant to Ministerial Decree 45/2013, grants five-year accreditation to the doctoral research programmes proposed by the University of Milan, subject to compliance with the prescribed requirements;
- having regard to the fact that for the 2022/2023 academic year the University intends to institute a new cycle of doctoral programmes;
- having regard to the note of Ministry of Universities and Research (MUR) of 26 April 2022;
- having regard to the decisions of the Academic Senate and of the Board of Directors in the sessions of 12 and 28 April 2022, concerning institution of the 38<sup>th</sup> doctoral cycle;

**HEREBY DECREES**



## Art. 1 - Institution of Doctoral Research Programmes

The following doctoral research programmes, subject to accreditation by MUR and checks to verify that accreditation requirements have been maintained, are instituted at the University of Milan for academic year 2022/2023 (38th cycle - beginning 3 October 2022)

- Agricoltura, ambiente e bioenergia - Agriculture, environment and bioenergy
- Biologia molecolare e cellulare - Molecular and cellular biology
- Chimica - Chemistry
- Chimica industriale - Industrial chemistry
- Diritto comparato, privato, processuale civile e dell'impresa - Comparative, private and civil procedural law
- Diritto pubblico, internazionale ed europeo - Public, international and european union law
- Filosofia e scienze dell'uomo - Philosophy and human sciences
- Informatica - Computer Science
- International and public law, ethics and economics for sustainable development - LEES
- Medicina sperimentale - Experimental medicine
- Medicina traslazionale - Translational medicine
- Ricerca clinica - Clinical research
- Scienze ambientali - Environmental sciences
- Scienze del patrimonio letterario, artistico e ambientale - Literature, arts and environmental heritage
- Scienze della nutrizione - Nutritional sciences
- Scienze della Terra - Earth sciences
- Scienze dell'esercizio fisico e dello sport - Exercise and Sport Sciences
- Scienze farmaceutiche - Pharmaceutical sciences
- Scienze farmacologiche biomolecolari, sperimentali e cliniche - Pharmacological biomolecular sciences, experimental and clinical
- Scienze giuridiche "Cesare Beccaria" - Legal studies "Cesare Beccaria"
- Scienze per i sistemi alimentari - Food systems
- Scienze per la sanità pubblica - Public Health Sciences
- Scienze veterinarie e dell'allevamento - Veterinary and animal science
- Studi linguistici, letterari e interculturali in ambito europeo ed extra-europeo - Linguistic, literary and intercultural studies in european and extra-european perspectives



- Studi storici - Historical studies
- Studi sulla criminalità organizzata - Studies on Organized Crime

Public competitions for admission to the above doctoral research programmes, based on qualifications and exams, are hereby announced by the University of Milan; the tables annexed to this decree, which are an integral part of this document, contain a brief description of the programmes, the examination window and the links to the university website where the research topics identified by the academic board of each programme, in line with the objectives of the programme, its research and educational focus, can be found. The criteria on which the selection of research topics is based are indicated in art. 21 of the University Regulations for doctoral study.

The number of scholarships may be increased should external funding become available before the start date for the doctoral programme.

Foreign candidates who are in receipt of scholarships issued by their country of origin may be admitted in excess of the enrolment quota if they pass the admission exams set out in this decree.

## **Art. 2 - Admission requirements**

In order to apply for a place in the doctoral research programmes, students must have a second cycle 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 Committee of each doctoral programme, 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 the continuation of studies.

Those without a second cycle degree may also apply, but admission to the doctoral research programme is subject to completing the second cycle degree by enrolment date, failing which they will be excluded from the programme.

## **Art. 3 - Application for admission**

Applications must be submitted through the following procedure by no later than **2 pm on 2 September 2022**:

1. register onto the [the University portal](#). This operation is not required of those already registered on the portal or in possession of University access credentials (graduands or those who graduated from the University of Milan less than a year ago);
2. Login and submit an application for admission to the Doctoral programme admission services - [Servizio di ammissione dottorati di ricerca](#);



3. Pay a non-refundable fee of €50 for selection costs, within the deadline for admissions.

During the procedure applicants are required to **upload** the following **documents** as .pdf, .rtf or .jpg files, all under 10 MB:

- A. Diploma Supplement or Bachelor's/Master's diploma (or equivalent qualification obtained in Italy or abroad), with transcript of records. Upcoming graduates are required to submit a certificate of enrolment in lieu of the diploma. The documents must be in Italian, English, French, German or Spanish. This document is not required of graduates/upcoming graduates of the University of Milan since it will be acquired internally;
- B. CV, describing any professional experience and other qualifications held by the applicant;
- C. Research project (using [Form 1 attached hereto](#));
- D. Copy of passport (foreign applicants only);
- E. Any publications;
- F. [Annex A](#).
- G. Online interview request (if desired; please use [Form 3](#), attached).

Applicants wishing to submit an application for one of these reserved categories (please see Article 10), must submit, in addition to the documents listed above, the attached [Annex B](#). Please fill out the form and upload it to the portal.

Non-EU candidates residing abroad are also required to submit an online application for pre-enrolment through [University](#), in order to obtain a student visa.

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

It is possible to apply for any number of doctoral programmes, provided that the applicant registers properly for each, as described above, including payment of the non-refundable fee of €50 for each application submitted.

Self-certifications are accepted in the cases and in accordance with the methods provided for by the laws in force.

**Failure to submit any one of the above-mentioned documents (from A to C) will lead to exclusion from the competition.**

Qualifications and scientific publications may be submitted in Italian or English.

In addition to the above documentation, on request by the academic board and as specified in the programme tables, applicants must provide one or more reference letters, drafted according to [Form 2 attached hereto](#), from qualified persons who have had a role in their education. The reference letters in .pdf must be e-mailed directly by said persons to the email address indicated in the section regarding the relevant doctoral programme by the competition deadline. In any case candidates may include reference letters written as indicated above with their application.



Reference letters are considered part of the candidate's curriculum and no point score is assigned to them.

## **Art. 4 - Candidates with disabilities**

In order to ensure equal treatment of candidates, those holding a certificate of invalidity and/or of disability pursuant to Law 104/1992 may apply for accommodations to the COSP Disability Office ([ausili.ammissioni@unimi.it](mailto:ausili.ammissioni@unimi.it)) attaching the certificate issued by the competent public health office. Candidates holding outdated certificates are required to apply for an updated certificate, to be submitted after enrolment for the purposes of using disability accommodations as offered by the study programme.

## **Art. 5 - Candidates with SLD**

In order to ensure equal treatment of candidates, those holding a Specific Learning Disorder (SLD) certificate issued by the National Health Service, a private affiliated centre, or a private specialist (with a compliance certificate from the competent health authority), pursuant to Law 170/2010, may apply for accommodations to the COSP SLD Office ([ausili.ammissioni@unimi.it](mailto:ausili.ammissioni@unimi.it)) attaching the certificate. If the SLD was diagnosed in childhood, and the certificate is over three years old, students should apply for an updated certificate, to be submitted after enrolment for the purposes of using SLD accommodations as offered by the study programme.

## **Art. 6 - Admission exam**

Admission to the doctoral programmes is through a public selection procedure involving the evaluation of qualifications and tests for the comparative assessment of candidates. An Examining Committee set up and appointed in compliance with current regulations will carry out the procedure.

The selection procedure aims to ascertain the qualifications, capacity and aptitudes of candidates for scientific research and their personal motivations. It is based on assessment of the **CV**, a **research project**, which may be inspired by the work of the second cycle degree thesis, and an **interview** either in person or virtually. Please see the table applicable to the PhD programme for more information.

**The research project, which should be drafted using a standard model ([Form 1 attached hereto](#)), is only for selection purposes and does not limit the choice of doctoral thesis in the case of admission.**

The CV and research project are assessed before the interview. The outcome of the assessment is available on the University portal on the [webpage](#) for the programme.

The CV is evaluated on the basis of the candidate's university studies, publications, professional experience and other qualifications, if any. A **maximum score of 20 points** can be assigned to the **CV**. In assigning the points the committees consider the statistical distribution of exam





grades for the study programme courses, as well as the conditions and the period over which the candidate has obtained his/her qualifications.

**A maximum of 10 points can be assigned to the research project.**

**Candidates who obtain a score of at least 50% of the maximum points obtainable for the CV and the research project can be called for interview.**

The interview is public; the date will be posted to the University portal following the assessment of qualifications. The aim is to verify the candidate's knowledge of the field of the doctorate. The interview includes a seminar-style presentation of the research project, followed by general discussion to verify the candidate's expertise, scientific qualities and motivations. A maximum of 70 points may be assigned to the interview.

The interview is conducted in the language indicated in the doctoral programme table, but candidates may ask to be interviewed in English.

Those applying to the PhD programme in Comparative Linguistics, Literature, and Culture must pass an aptitude test (before their interview) for the programme. The test assesses proficiency in the student's selected language, as reflected in their research proposal, and is taken on a pass/fail basis.

To sit for the tests, candidates must show one of the following identity documents: identity card; passport; driving licence (Italian).

The outcome of the tests will be communicated by the Committee at the end of the interview.

At the end of the tests, the Committee draws up a general ranking list according to the total score assigned to the candidates for their CV, research project and interview. **Candidates must obtain a minimum score of 70/100 to pass the admission exam.**

The ranking is published online on the [Postgraduate admission rankings page](#) in the days following the examinations.

The Committees must conclude their work no later than **21 September 2022**.

### **Art. 7 - Admission to the programmes**

Applicants are admitted to the programmes according to their position in the ranking list until the number of places available for each doctoral programme has been filled. Where applicants achieve the same score, preference will be given to the younger applicant, with the exception of the right of priority criterion for doctoral grants set forth in art. 9 of this call for applications. The rankings of eligible applicants will be published in the days following the interviews on the University website [Postgraduate admission rankings page](#).

**The ranking posted to the University website is equivalent to a notice. Therefore, admitted candidates will receive no written notice.**





Applicants admitted to the programmes lose their entitlement if they fail to enrol by the deadline. Their place is then given to the next applicant in the ranking list. This also applies if an admitted applicant withdraws within three months of the beginning of the programme. If the withdrawing student has already received any monthly scholarship payments, he/she is required to return them. Takeover applicants will be contacted personally by email by the Doctoral Students Administration Office (*Segreteria Dottorati*), which will provide instructions and deadlines for enrolment.

Applicants ranked in more than one list can only choose one doctoral programme.

A student's offer of admission will be rescinded if they fail to demonstrate English-language proficiency at a B2 level or higher under the CEFR (Common European Framework of Reference for Languages), as required under this call for applications. Therefore, students must submit (at the enrolment stage, as described in Art. 8, below) a language-proficiency certification from an entity approved by the University. In order for a student's language-proficiency certification to be approved for purposes of programme admission and enrolment, it must have been issued within three years prior to submission (two for the TOEFL), and must, without exception, certify proficiency across all four areas: Listening, Reading, Writing and Speaking.

For purposes of admission and enrolment, students must submit, without exception, one of the following certifications recognised by the University certifying proficiency at a B2 Level under the CEFR:

## CAMBRIDGE ASSESSMENT

<i>FCE First Certificate in English</i>	B2
<i>CAE Certificate in Advanced English</i>	C1
<i>CPE Certificate in Proficiency in English</i>	C2
CELTA Certificate in Teaching English for Speakers of Others Languages	C2
DELTA Diploma in English Language Teaching to Adults	C2
<i>BEC Business English Certificates</i>	
– Vantage	B2
– Higher	C1

## *IELTS International English Language Testing System (both Academic and General)*

– 5.5 - 6.5	B2
– 7.0 - 8.0	C1
– 8.5 - 9.0	C2

## CAMBRIDGE INTERNATIONAL



*Cambridge IGCSE First Language English*

- Grade D or above B2

*Cambridge IGCSE English as a Second Language*

- Grade C or above B2

*Cambridge O Level: English Language*

- Grade C or above B2

*Cambridge A/AS Level: English Language*

- Grade E or above B2

CERTILINGUA

B2

HIGH SCHOOL DIPLOMA

*IB Diploma International Baccalaureat*

B2

ETS EDUCATIONAL TESTING SERVICE

*TOEFL Test of English as a Foreign Language*

TOEFL iBT Internet based test:

- 42-71 B1
- 72-94 B2
- 95-120 C1

TOEFL ITP Institutional Testing Program:

- 543-626 B2
- 627-677 C1

*TOEIC Test of English for International Communication*

- Min. 785 (Listening & Reading) + Min. 310 (Speaking & Writing) B2
- Min. 945 (Listening & Reading) + Min. 360 (Speaking & Writing) C1

PEARSON

*PTE Pearson Test of English Academic*

- 59-75 B2
- 76-84 C1
- 85-90 C2

*PTE Pearson Test of English General*

- Level 3 B2
- Level 4 C1
- Level 5 C2

TRINITY COLLEGE LONDON

*ISE Integrated Skills Examinations in English*



- |           |    |
|-----------|----|
| - ISE II  | B2 |
| - ISE III | C1 |
| - ISE IV  | C2 |

**B2 Level under the *CEFR*:** anyone failing to demonstrate, upon submitting an application for enrolment, that they meet the minimum requirements will have their admission rescinded, and will not be permitted to matriculate into the PhD programme. This rule will be applied, without exception, under the following circumstances:

- (i) failure to submit, or late submission (in respect of the deadline appearing in the posted enrolment procedure) of a language-proficiency certification from one of the institutions listed above (certifications from any other entity will be rejected);
- (ii) certifications which do not list all of the required competencies (i.e. Listening, Reading, Writing, and Speaking);
- (iii) certifications issued more than three years before the student submits their application for enrolment (two years for the TOEFL).

**The following category of students will be the sole exception to the rules on language-proficiency certification:**

- those who, by the date of their enrolment, have earned a Master's degree featuring an English-language specialisation in one of the following Master's Degree programme classes: LM-37 Modern European and American Languages and Literature, LM-38 Modern Languages for International Communication and Cooperation, LM-39 Linguistics, LM-94 Specialised Translation and Interpreting, or equivalent Master's Degree;
- those who, by the date of their enrolment, have earned a Master's degree in a programme taught entirely in English;
- those who, in their prior study programme, earned a B2 Level English-language proficiency certification issued by the SLAM Language Centre of the University of Milan within the four years prior to their matriculation into the PhD programme.

<https://www.unimi.it/it/studiare/competenze-linguistiche/placement-test-e-corsi-di-inglese/test-di-ingresso-di-inglese>

No other exceptions will be granted.

## **Art. 8 - Enrolment**

Applicants admitted to doctoral programmes can enrol online **from 26 September 2022 to 2pm on 30 September 2022** using the [SIFA enrolment service](#) and following the procedures published on the [University website](#).

Candidates are admitted conditionally and may be excluded from the programme if they do not meet the requirements.



Students enrolled on PhD programmes are required to pay the regional tax for education of € 140.00 and a stamp duty of € 16.00 annually. These amounts are deducted from the grant amount.

Foreign students who are recipients of grants awarded by their home country and those awarded a Marie Curie fellowship are required to pay an annual course admission and attendance fee of € 980.00, including regional tax and stamp duty.

Applicants with an invalidity equal to or greater than 66%, and/or with a disability pursuant to Law 104/92, may apply for a tuition and regional tax waiver. These students are only required to pay a €16.00 stamp duty.

Students who withdraw from the doctoral programme are not entitled to reimbursement of enrolment fees already paid.

**Candidates holding a qualification obtained abroad** are required to upload the following documents when completing the online enrolment process:

- Original diploma (Master of Science or equivalent) with a translation into Italian, French, English, German or Spanish;
- Statement of Validity (*Dichiarazione di Valore in Loco*) issued by the Italian Embassy, or Diploma Supplement, or certificate of comparability issued by CIMEA, or other declaration of validity issued by ENIC\_NARIC centres;
- Italian Tax Id;
- Valid residence permit (only for non-EU citizens).

To finalise one's enrolment, one must also upload the following documents to the [Supplemental Enrolment Documents Portal](#) no later than **2 November**:

- Pre-enrolment application receipt from University;
- student visa (only for non-EU non-Italian-resident students).

Verification of the validity of foreign qualifications is made on submission of the official documents. Until then, candidates are admitted to the programme conditionally, and may drop off the ranking if they are found not to meet the requirements.

## Art. 9 - Scholarships

The scholarship is granted, in accordance with and by the methods established by existing regulations, in line with the ranking list and consists of an annual gross sum of **€16,350.00**. The amount of the scholarship is exempt from IRPEF income tax in accordance with art. 4 of Italian Law no. 476 of 13 August 1984 but subject to social security contributions pursuant to article 2, paragraph 26 et seq., of Italian Law no. 335 of 8 August 1995 and subsequent amendments. Working students falling into the categories appearing in Art. 22 of the University Regulation for PhD Programmes and Students will be eligible to apply, provided their income does not exceed



the scholarship amount. Income under the limitation is defined as gross earnings during the year to which the scholarship is principally allocated.

In the event of equal merit, the scholarships are assigned on the basis of the candidates' economic situation, as expressed by the indicator of equivalent economic situation (ISEE).

The regional study tax and a stamp duty will be deducted from the scholarship for a total sum of €156.00.

Scholarships have a yearly duration and are renewed if the Teaching Board promotes the doctoral student to the following year on the basis of yearly performance.

Starting from the first year, in addition to the scholarship and depending on the University's budgeted financial resources, each doctoral student (including students employed by those businesses and organisations identified in Art. 10, below) is given an amount for research in Italy and abroad suited to the type of programme and in any case not less than 10% of the amount of the scholarship itself.

## Art. 10 - Reserved places

Spaces within the University's PhD programmes may be set aside for the following categories of working students:

- employees of businesses engaged in highly qualified services and operations (as defined under Art. 10 of Ministerial Decree no. 226/2021, pursuant to the guidelines established by Ministerial Decree no. 301/2022);
- employees of public research centres and institutions engaged in highly qualified operations (students will continue to earn their salary);
- those enrolled in a Post-graduate programme in medicine, in accordance with the provisions of Art. 7 of Ministerial Decree no. 226/2021. These allocations are governed by Art. 24 of the University of Milan's Regulation for PhD Programmes and Students.

Please review the designated annex to this call for applications for more information on these set-asides.

Students interested in applying must state their qualification at the admission stage. They must fill out, sign, and upload [Annex B](#) along with their application.

Should more than one student apply for the same reserved spot, the higher-ranked student from the admissions cohort will be admitted.

Students seeking admission via reserved placement will only be permitted to matriculate if they meet the eligibility requirements. A designated board must vet and approve the post-graduate programme in medicine for any student applying for a reserved place under that category.

A fee of € 156.00 (regional university-education incentive fee and taxes) will be due at the time of enrolment.



### **Art. 11 - Obligations of Doctoral Students**

The doctoral research programmes entail 1500 hours of training-education and research activities per year. The duties and rights of students are set out in art. 22 of the University Regulations on doctoral research.

### **Art. 12 - Awarding of Qualification**

The qualification of Doctor of Philosophy, abbreviated as "Dott. Ric" or "PhD", is awarded under the conditions indicated in art. 23 of the University Regulations on Doctoral Research.

### **Art. 13 - Processing of personal data**

Pursuant to Legislative Decree no. 196 of 30 June 2003, as amended by Legislative Decree no. 101 of 10 August 2018, as well as EU Regulation no. 679/2016 (General Data Protection Regulation, GDPR) the University undertakes to safeguard the confidential nature of the information provided by applicants; all data provided is processed solely for purposes related to the competition and possibly for managing the applicant's relationship with the University, in compliance with current legislation.

### **Art. 14 - Relevant regulations**

Any items for which no specific provision has been made in this call for applications are regulated in accordance with Italian legislation and regulations governing doctoral research.

### **Art. 15 - Person in charge of the procedure and contacts**

Pursuant to Law no. 241 of 7 August 1990, the person in charge of the present competition is dott.ssa Monica Delù (Head of Postgraduate Admissions and Student Public Relations Office). For further information please use the [Informastudenti](#) service, selecting the category: Postgraduates/Doctoral research students.

Milan, 11 July 2022

THE RECTOR  
(Elio Franzini)



## Doctoral Programme in Agriculture, environment and bioenergy

### Learning Objectives

Our planet's non-renewable resources are degrading, and this is exposing us to the hazards of climate change. The agricultural industry must be able to supply food, non-food products, along with ecosystem and energy services, all whilst ensure food security and food sovereignty. Programmes offering high-level training with a view towards ensuring agricultural efficiency and sustainability across a variety of geo-political contexts have become indispensable, and require an appreciation of both the elements of the production chain, as well as an understanding of the resulting agro-ecosystems. Factors to be considered include:

- a) Phenotypic and genotypic characteristics, and optimising genetic resources;
- b) Managing biotic and abiotic stress;
- c) Implementing computer-forecasting models;
- d) Producing bioenergy, reusing waste products, and protecting soil and water-resource quality;
- e) Analysing and managing technical resources, agricultural processes, and the multi-functional nature of rural areas, and agro-biodiversity.

The PhD programme will train researchers capable of:

- a) Developing independent research projects;
- b) Preparing and proposing public and private research projects on a local, national, and international level;
- c) Identifying research needs and their scientific, social, and economic relevance;
- d) Knowledge transfer through educational activities and data submission and findings;
- e) Deploying research findings in the public and private sectors.

The PhD programme is taught entirely in English.

### Academic disciplines

05/A (Plant biology)

07/A (Agricultural Economics and Rural Surveying)

07/B (Agricultural, Cultivation, and Forestry Systems)

07/C (Agricultural, Forestry and Biosystem Engineering)

07/D (Entomology and plant pathology)

07/E (Agricultural chemistry, agricultural genetics and pedology)

07/G (Animal Sciences and Technologies)





10/A (Archaeology)

**Research topics**

Research topics can be found on the [University's website](#)

**Duration**

3 years

**Places available**

7

**Scholarships**

7 University of Milan.

**Doctoral programme coordinator**

Prof Piero Attilio Bianco, Ordinary Professor, AGR/12 subject area

[piero.bianco@unimi.it](mailto:piero.bianco@unimi.it)

**Admission requirements**

Academic qualifications earned in one of the following classes, under Ministerial Decree no. 270/2004, or the corresponding class under Ministerial Decree no. 509/99:

LM-1 Cultural anthropology and ethnology,

LM-2 Archaeology,

LM-3 Landscape architecture,

LM-6 Biology,

LM-7 Agricultural biotechnologies,

LM-8 Industrial Biotechnology,

LM-9 Pharmaceutical, veterinary and medical biotechnologies,

LM-11 Cultural heritage conservation science,

LM-17 Physics,

LM-18 Computer Science,

LM-26 Security Engineering,

LM-30 Energy and Nuclear Engineering,

LM-32 Computer Engineering,



LM-33 Mechanical engineering,  
LM-35 Environmental and Land Engineering,  
LM-40 Mathematics,  
LM-42 Veterinary Medicine,  
LM-44 Mathematical and Physical Modeling in Engineering,  
LM-48 Regional, Urban and Environmental Planning,  
LM-53 Materials Science and Engineering,  
LM-56 Economic,  
LM-60 Nature sciences,  
LM-69 Agricultural Sciences and Technologies,  
LM-70 Food Science and Technology,  
LM-73 Forestry and Environmental Science and Technology,  
LM-74 Geological Sciences and Technology,  
LM-75 Environment and Land Science and Technology,  
LM-76 Environmental and Cultural Economics,  
LM-77 Economics and business,  
LM-81 Development Cooperation,  
LM-82 Statistics,  
LM-86 Zootechnics and animal technology.

**Doctoral programme selection phases - Agriculture, environment and bioenergy**

<i>Qualification assessment date</i>	<p>The assessment will take place on <b>9 September 2022</b>.</p> <p>The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date</p>
<i>Interviews</i>	<p><b>Interviews will be held beginning at 9 a.m. on 15 September 2022.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a>, on the programme's webpage.</p>



## UNIVERSITÀ DEGLI STUDI DI MILANO

Interviews will be held in person, in Aula Pellizzi of the Department of Agricultural and Environmental Sciences (DISAA), at Via Celoria 2 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

Interviews will be held in English.

This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Molecular and Cell Biology

### Learning Objectives

The doctoral programme aims to:

- train scientific experts with excellent skills in the field of biomolecular sciences and biotechnology;
- promote a molecular approach to the study of complex biological problems in model organisms (prokaryotic and eukaryotic microorganisms, animals and plants);
- encourage collaboration between research institutes, advanced training schools and companies in the fields of biomolecular sciences and biotechnology;
- encourage internationalisation by promoting international scientific collaborations, involving foreign lecturers, recruiting postgraduate students from abroad, and organising co-tutored dissertations involving study periods abroad.

Training activities will be characterised by:

- a multidisciplinary approach;
- interactivity;
- links to the business world;
- internationalisation.

A key element of the programme is the direct involvement of doctoral students in experimental research activities. Students will work full-time on a research project, providing critical insight and suggestions, and thereby acquiring scientific and organisational independence.

The programme is entirely in English.

### Academic disciplines

01/B (Computer Science)

02/D (Applied physics, teaching and history of physics)

05/A (Plant Biology)

05/B (Animal Biology and Anthropology)

05/D (Physiology)

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)

06/A (Pathology and Laboratory Diagnostics)



**Research topics**

Research topics may be viewed on the [University website](#)

**Duration**

3 years

**Places available**

15

**Scholarships**

8 University of Milan

3 funded by the Department of Biosciences for the projects:

“3D printing technologies for next-generation organoids”;

“Studying the epigenome using RNAseq and ChipSeq technology in cellular models and animals afflicted with Huntington's disease”;

“Single-cell transcriptomics and epigenomics in Huntington models”.

3 scholarships for the Department of Biosciences project funded by MUR as part of the *Bando Dipartimenti di Eccellenza 2018-2022*, pursuant to Law no. 232 dated 11 December 2016.

**Doctoral programme coordinator**

Prof. Roberto Mantovani, full professor in scientific-disciplinary sector BIO/18

[mantor@unimi.it](mailto:mantor@unimi.it)

**Admission requirements**

Academic qualifications obtained in one of the following classes under Ministerial Decree 270/2004, or one of the corresponding classes under Ministerial Decree 509/99:

LM-6 Biology,

LM-7 Agricultural Biotechnology, LM-8 Industrial Biotechnology,

LM-8 Industrial Biotechnology,

LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,

LM-11 Cultural heritage conservation science,

LM-13 Pharmacy and Industrial Pharmacy,

LM-17 Physics,

LM-18 Computer Science,

LM-21 Biomedical Engineering,

LM-22 Chemical Engineering,

LM-32 Computer Engineering,

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tel. +39 02503 111 - [unimi@postecert.it](mailto:unimi@postecert.it)



LM-40 Mathematics,  
LM-41 Medicine,  
LM-42 Veterinary Medicine,  
LM-54 Chemistry,  
LM-56 Economics,  
LM-60 Natural Sciences,  
LM-61 Nutrition,  
LM-66 Informatics Security,  
LM-68 Sports Sciences and Technology,  
LM-69 Agricultural Sciences and Technology,  
LM-70 Food Science and Technology,  
LM-71 Industrial Chemistry,  
LM-73 Forestry and Environmental Science and Technology,  
LM-74 Geological Sciences and Technology,  
LM-75 Environment and Land Science and Technology,  
LM-76 Environmental and Cultural Economics,  
LM-82 Statistics,  
LM-86 Zootechnics and animal technology,  
LM-91 Techniques and Methods for Information Society,  
LM/SNT2 Rehabilitation Professions,  
LM/SNT3 Health Professions for Technical Assistance,  
LM/SNT4 Preventive Care Professions

### Reference letters

The University Faculty requires applicants to submit one Reference Letter. Please use the attached [Form 2](#); fill out the form and submit via email to [mcb.phd@unimi.it](mailto:mcb.phd@unimi.it)

### Doctoral programme selection phases - Molecular and Cell Biology

*Qualification assessment date*

The assessment will take place on **12 September 2022**.  
The assessment outcome will be posted to the [University website](#),  
on the study programme page, by the interview start date.

*Interviews*

**Interviews will be held from 16 September 2022, 9.30 a.m.**



The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person, in Aula Seminari (large conference room) of the Department of Biosciences, Via Celoria, 26 - 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

Interviews will be held in English.

This posting is equivalent to a notice to the persons concerned.





## Doctoral Programme in Chemistry

### Learning objectives

The doctoral programme aims to train students in the critical analysis of scientific research problems in the field of chemistry, and to provide them with the skills required to identify and pursue important research objectives. The programme is designed to develop professionals who will be able to work in industry, in private and public institutions, and in academia.

Students will acquire all the knowledge and working methods necessary to carry out research activities to very high scientific standards in any of the numerous interdisciplinary fields of Chemistry. The central role of Chemistry in modern life is widely acknowledged today. This field of science intersects with several other scientific disciplines (such as physics and biology) and therefore finds application in many different fields, from medicine to nanomaterials, from agriculture to energy, from biology to electronics, from cultural heritage conservation to environmental protection. The input of advanced chemical research is essential in many other scientific disciplines and for the development of production in modern countries.

Doctoral programmes in Chemistry are offered in the following lines of research:

1. Synthesis, reactivity, reaction mechanisms, catalysis;
2. Structural chemistry, spectroscopic analysis;
3. Theoretical and computational chemistry;
4. Solid-state, interphase and electrolyte chemistry,
5. Chemistry of biologically active compounds, food and natural substances, biocatalysis;
6. Chemistry of the environment and of cultural heritage;
7. Chemistry of materials, chemistry for nanotechnologies, supramolecular chemistry, chemistry for energy.

An important aspect of the programme is that students meet foreign researchers and come into contact with internationally renowned research institutes. To this end, a significant part of teaching activities is assigned to foreign lecturers and students are given the opportunity to spend time in research institutions abroad.

The doctoral programme is entirely in English.

### Academic disciplines

03/A (Analytical, chemical-physical)

03/B (Inorganic, technological)

03/C (Organic, industrial)

03/D (Pharmaceutics, Technology, Food)



### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

11

### Scholarships

9 University of Milan

1 funded by the Department of Chemistry using ERC grants for the programme entitled: "Implementation of semi-classical theories for spectroscopy"

1 funded by RSE S.p.A. for the following programme: "Study of the chemical composition of atmospheric deposition, and its influence on the electrical conductivity of insulators on the electrical grid"

### Doctoral programme coordinator

Prof. Daniele Passarella, full professor in scientific-disciplinary sector CHIM/06  
[daniele.passarella@unimi.it](mailto:daniele.passarella@unimi.it)

### Admission requirements

All classes of Master's degrees.

### Reference letters

The academic board requires that two reference letters, drawn up according to [Form 2](#) attached hereto, be sent by email to the doctoral programme coordinator.

### Doctoral programme selection phases - Chemistry

#### *Qualification assessment date*

The assessment will take place on 10 September 2022.  
The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

#### *Interviews*

**Interviews will be held from 16 September 2022, 9.30 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.



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Interviews will be held in person at the Aula Canonica of the Department of Chemistry, Via Golgi, 19 - 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Industrial Chemistry

### Learning objectives

The general theme of the doctoral programme relates to the extensive field of application of chemistry to industrial processes. It aims to train students in understanding theoretical and practical problems, as well as economic, environmental and safety issues. Graduates will possess considerable scientific expertise and be able to organise and manage research activities, as well as analyse the aspects pertaining to variations in scale. 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 chemistry; synthesis, processes and control in primary chemistry; chemical biotechnology; innovative chemical processes; new structural and functional materials; innovative energy technologies; nanotechnologies.

An important aspect of the programme is that students meet foreign researchers and come into contact with internationally renowned research institutes. To this end, some teaching activities are assigned to foreign lecturers and students are given the opportunity to spend time in research institutions abroad.

The programme is entirely in English.

### Academic disciplines

03/A (Analytical, chemical-physical)

03/B (Inorganic, technological)

03/C (Organic, industrial)

09/D (Chemical and Material Engineering)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

5

### Scholarships

5 University of Milan



### Doctoral programme coordinator

Prof. Dominique Roberto, full professor in scientific-disciplinary sector CHIM/03  
[dominique.roberto@unimi.it](mailto:dominique.roberto@unimi.it)

### Admission requirements

All classes of Master's degrees.

### Reference letters

The academic board requires that two reference letters, drawn up according to [Form 2](#) attached hereto, be sent by email to the doctoral programme coordinator.

### Doctoral programme selection phases - Industrial Chemistry

#### *Qualification assessment date*

The assessment will take place on **10 September 2022**.  
The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

#### *Interviews*

**Interviews will be held from 16 September 2022, 9.30 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person in the Sala L. Malatesta of the Department of Chemistry, at Via Golgi, 19 - 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

This posting is equivalent to a notice to the persons concerned.



## **Doctoral Programme in Comparative, Private, Civil Procedural and Business Law**

### **Learning objectives**

The programme aims to promote scientific debate among experts who give the programme an interdisciplinary character while (given the links between the scientific sectors involved) providing a common perspective, so that discussion among jurists of differing competencies is fruitful and rich. Its main objective is that of adequately structuring and linking research training activities, focusing on comparative law with the aim of intensifying scientific debate among those studying private law, business law (in its two forms, commercial/industrial and occupational) and civil procedural law. Special attention is given to the formation of students in the methodological aspects of scientific research. The affinities among the various areas of legal studies addressed by the programme will allow for in-depth discussion during lecture series on cross-sector topics. As in the past, authorities in the field will be involved and collaborations with universities and foreign researchers will be intensified.

### **Academic disciplines**

12/A (Private law)

12/B (Commercial and labour law)

12/E (International, European Union, comparative, economic, market and maritime law)

12/F (Civil procedural law)

### **Research topics**

Research topics may be viewed on the [University website](#)

### **Duration**

3 years

### **Places available**

6

### **Scholarships**

6 University of Milan

### **Doctoral programme coordinator**

Prof. Giuseppe Ludovico, associate professor in scientific-disciplinary sector IUS/07  
[giuseppe.ludovico@unimi.it](mailto:giuseppe.ludovico@unimi.it)

### **Curricula**

1. Private Law
2. Comparative Law



3. Commercial and industrial Law
4. Labour Law
5. Civil procedural Law

### Admission requirements

Academic qualifications awarded in class LMG/01 Law (under Ministerial Decree 270/2004) or in one of the corresponding classes under Ministerial Decree 509/99.

### Doctoral programme selection phases - Comparative, Private, Civil Procedural and Business Law

#### *Qualification assessment date*

The assessment will take place on **9 September 2022**.  
The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

#### *Interviews*

**Interviews will take place on 19 September 2022, 10:00 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person in the Sala Crociera of the University's Main Complex, located at Via Festa del Perdono, 7 - 20122 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

This posting is equivalent to a notice to the persons concerned.





## Doctoral Programme in Public, international and european union law

### Learning Objectives

This doctoral programme aims to train highly qualified PhDs, equipped with the necessary research methodologies, critical data-processing skills, and knowledge, through a coordinated study of topics with a common foundation in public law (constitutional law, administrative law, tax law). The programme includes studies of comparative law, and European and international law.

By the end of their studies, the PhD will have:

- gained a high level skill set through an in-depth study of one of the research areas covered by the programme (public, international, and European law), featuring an interdisciplinary focus;
- acquired research methods and techniques specific to the field of law;
- designed and carried out an original research project, predicated on strict adherence to the scientific method and a coherent structure, which contributes to expanding knowledge on a national and international level;
- developed their ability to convey their research findings (presenting findings at seminars and conferences, and in scientific journals).

### Academic disciplines

12/C (Constitutional and ecclesiastical law)

12/D (Administrative and tax law)

12/E (International, European Union, comparative, economic, market and maritime law)

### Research topics

Research topics can be found on the [University's website](#)

### Duration

3 years

### Places available

7

### Scholarships

7 University of Milan.

### Doctoral programme coordinator

Prof Francesca Biondi, Ordinary Professor in the IUS/08 subject area

[francesca.biondi@unimi.it](mailto:francesca.biondi@unimi.it)



## Curricula

1. International and European Law
2. Constitutional and Administrative Law

## Admission requirements

Academic qualifications earned in one of the following classes, under Ministerial Decree no. 270/2004, or the corresponding class under Ministerial Decree no. 509/99:

LM-19 Information and Editorial Systems,

LM-38 Modern Languages for International Communication and Cooperation,

LM-48 Regional, Urban and Environmental Planning,

LM-52 International Relations,

LM-59 Public and Corporate and Advertising and Communication,

LM-62 Political Sciences,

LM-63 Public Administration,

LM-77 Economics and business,

LM-78 Philosophy,

LM-81 Development Cooperation,

LM-87 Social services and policies,

LM-90 European studies,

LM-91 Techniques and Methods for Information Society,

LMG/01 Law.

## Doctoral programme selection phases - Public, international and european union law

### *Qualification assessment date*

The assessment will take place on **9 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

### *Interviews*

**Interviews will begin at 9:30 a.m. on 15 September 2022**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.



## UNIVERSITÀ DEGLI STUDI DI MILANO

Interviews will be held in person at the Sala Seminari of the Department of Italian and Supranational Public Law, at Via Festa del Perdono, 7 - 20122 Milan

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

This posting is equivalent to a notice to the persons concerned.



## Doctoral programme in Philosophy and human sciences

### Learning Objectives

The PhD programme in Philosophy and Human Sciences offers an innovative and advanced level of study, intended to build on the student's knowledge base with those skills required of theory-based and experimental research in the following disciplines: anthropology, geography, linguistics, theory and history of political institutions, art history and criticism, together with the knowledge acquired through philosophical inquiry across the full spectrum of its history and theory. The PhD programme avails itself of the multi-disciplinary acumen of the programme's faculty, and aims to provide a high level of training in discrete areas of fundamental and applied research, encouraging research that moves into innovative and ground-breaking areas, and which requires the mastery of theories, methods, and techniques from a variety of fields. Moreover, the training programme aims to provide students a solid base in philosophy and science in the following research areas: (i) History of philosophical and scientific thought; (ii) Ethics and political thought; (iii) Theory of images and the phenomenology of experience; (iv) Theory of languages; (v) Anthropology and regional studies.

### Academic disciplines

10/C (Music, Drama, Cinema, Television and Audiovisual Media)

10/G (Glottology and Linguistics)

10/M (Germanic and Slavic Languages, Literature, and Culture)

11/A (History)

11/B (Geography)

11/C (Philosophy)

11/D (Pedagogy)

14/B (Political History)

14/C (Sociology)

### Research topics

Research topics can be found on the [University's website](#)

### Duration

3 years

### Places available

6

### Scholarships

3 University of Milan.

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tel. +39 02503 111 - [unimi@postecert.it](mailto:unimi@postecert.it)



2 to produce a programme through the Piero Martinetti Department of Philosophy funded by the Ministry of Education and Research under the “2018-2022 Academic Centres of Excellence” grants established by Law no. 232 of 11 December 2016.

1 funded by the Piero Martinetti Department of Philosophy using ERC Advanced Grant 2018 “An-Iconology: History, Theory, and Practices of Environmental Images (AN-ICON)”

### Doctoral programme coordinator

Prof Andrea Pinotti, Ordinary Professor M-FIL/04 subject area

[andrea.pinotti@unimi.it](mailto:andrea.pinotti@unimi.it)

### Admission requirements

All classes of Master's degrees.

### Doctoral programme selection phases - Philosophy and human sciences

<i>Qualification assessment date</i>	<p>The assessment will take place on will take place on 9 September 2022.</p> <p>The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Online interviews will be held beginning at 9.00 a.m. on 15 September 2022.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a>, on the programme's webpage.</p> <p>The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.</p> <p>This posting is equivalent to a notice to the persons concerned.</p>



## Doctoral Programme in Computer Science

### Learning objectives

The doctoral programme in Computer Science aims to provide students with advanced scientific, methodological and technological knowledge in computer science and related sectors and their corresponding fields of application. This knowledge will prepare students and introduce them to theoretical and applied research, with particular attention to interdisciplinarity and internationalisation, developing research skills so that they are able to produce original independent research of interest to the international scientific community and businesses.

The doctoral programme aims to provide students with:

- solid wide-ranging knowledge on the basics of science and methodologies and technologies pertinent to IT and related fields;
- advanced and in-depth skills in specific areas;
- interdisciplinary skills necessary to promote cultural and methodological synergies,
- sound knowledge of research methodologies and of how to organise and manage research and disseminate results;
- opportunities to train internationally;
- better training and placement within academic research groups and companies.

The programme is entirely in English.

### Academic disciplines

01/B (Computer science)

09/H (Computer engineering)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

9

### Scholarships

8 University of Milan

1 funded by Giovanni degli Antoni Department of Computer Science for the following programme:  
“Weakly supervised machine learning algorithms”



**Doctoral programme coordinator**

Prof. Roberto Sassi, full professor in scientific-disciplinary sector INF/01

[roberto.sassi@unimi.it](mailto:roberto.sassi@unimi.it)

**Admission requirements**

All classes of master's degrees

**Reference letters**

The academic board requires that from 1 to 3 reference letters, drawn up according to [Form 2](#) attached hereto, be sent by email to [phdcomputerscience@di.unimi.it](mailto:phdcomputerscience@di.unimi.it)

**Doctoral programme selection phases - Computer Science**

*Qualification assessment date*

The assessment will take place on 8 September 2022.  
The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

*Interviews*

**Online interviews will take place on 15 September 2022.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

The interview will be in English.

This posting is equivalent to a notice to the persons concerned.



## Doctoral programme in International and Public Law, Ethics and Economics for Sustainable Development (LEES)

### Learning Objectives

Despite the urgency of the Sustainable Development Goals integrated into the 2030 Agenda for Sustainable Development, some of the most influential global actors continue to disclaim their responsibility to contribute to them. The magnitude of the problem justifies a multidisciplinary research program on the institutions for sustainability based on putting to work together law, ethics and economics - and to which the LEES doctorate is dedicated.

The legal system defines the rule of law limits to the political balance between fundamental rights and economic stability, and indicates the intolerability of phenomena of marginalization and inequality. However, new ideas of justice are needed: after redefining the concept social well-being, these ideas need to reconceive and understand distributive justice from both an inter-generational and intra-generational perspective.

Comparative studies, as well as *de jure condendo* ones, will design multi-level institutions for sustainable development, finally questioning that various private institutions can be sheltered from the claims of social justice, such as the access to innovation, the fair distribution of decision-making rights to stakeholders within enterprises, the democratic self-government of common goods.

Strategic litigation will be studied in order to promote institutional change and respect for human rights inside and outside the courts.

Economic analysis will set the condition to verify when institutional change is supported by collective rational choice models and if it corresponds, thanks also to plasticity of preferences, to the emergence of game theoretical equilibria eliciting conformity (social norms).

The doctoral programme will be in English.

### Academic disciplines

12/C (Constitutional and ecclesiastical law)

12/D (Administrative and tax law)

12/E (International, European Union, comparative, economic, market and maritime law)

12/H (Roman law, history of medieval and modern law, and philosophy of law)

13/A (Economics)

13/B (Business Economics)

### Research Topics





Research topics may be viewed on the [University website](#)

**Duration**

3 years

**Places available**

3

**Scholarships**

1 University of Milan.

1 co-funded by the Department of Law.

1 funded by the Department of Environmental Science and Policies.

**Doctoral programme coordinator**

Prof. Lorenzo Sacconi, full professor of economic policy in the SECS-P/02 scientific-disciplinary [lorenzo.sacconi@unimi.it](mailto:lorenzo.sacconi@unimi.it)

**Admission requirements**

Academic qualifications earned in one of the following classes, under Ministerial Decree no. 270/2004, or the corresponding class under Ministerial Decree no. 509/99:

LM-1 Cultural anthropology and ethnology,

LM-16 Finance,

LM-35 Environmental and Land Engineering

LM-48 Regional, Urban and Environmental Planning,

LM-49 Design and Management of Tourist Systems,

LM-50 Planning and Management of Educational Services,

LM-51 Psychology,

LM-52 International Relations,

LM-55 Cognitive science,

LM-56 Economics,

LM-59 Public and Corporate and Advertising and Communication,

LM-62 Political Sciences,

LM-63 Public Administration,

LM-64 Religious Studies,

LM-69 Agricultural Sciences and Technology,

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LM-70 Food Science and Technology,  
LM-73 Forestry and Environmental Science and Technology,  
LM-75 Environment and Land Science and Technology,  
LM-76 Environmental and Cultural Economics,  
LM-77 Economics and business,  
LM-78 Philosophy,  
LM-81 Development Cooperation,  
LM-84 History,  
LM-87 Social services and policies,  
LM-88 Sociology and social research,  
LM-90 European studies,  
LM-92 Communication Theory,  
LM/SC Legal Sciences,  
LMG/01 Law.

### Reference letters

The academic board requires the presentation of one reference letter, to be drafted according to [Form 2](#) attached hereto, to be sent by e-mail to [lees@unimi.it](mailto:lees@unimi.it)

### Doctoral programme selection phases - International and Public Law, Ethics and Economics for Sustainable Development (LEES)

<i>Qualification assessment date</i>	<p>The assessment will take place on 8 September 2022. The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Interviews will take place on 15 September 2022, 9 a.m.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a>, on the programme's webpage.</p> <p>Interviews will be held in person in the Sala Jean Monnet of the Department of Public Law, Via Festa del Perdono, 7 - 20122 Milan.</p> <p>Students wishing to interview virtually instead must submit a detailed request using Form 3.</p> <p>The interview will be in English.</p> <p>Online posting is equivalent to a notice to the persons concerned.</p>



## Doctoral Programme in Experimental Medicine

### Learning objectives

Experimental medicine develops and applies technology and biological models for studying pathogenic mechanisms in human disease. It involves various disciplines (biochemistry, biology, molecular biology, anatomy, physiology, pathology, immunology, genetics and microbiology/virology) that are providing a rapidly growing understanding of the mechanisms that enable the development of pathological processes. The course aims to acquaint students with the technologies and research methodologies in the area of biomedicine and biotechnology based on *in vitro* and *in vivo* experimental models and '-omic' approaches, and on their application to the study of cellular and molecular mechanisms involved in the pathogenesis of human disease. The final objective is the formation of high-level scientists able to combine an understanding of biological processes and pathogenic mechanisms through the application of advanced experimental techniques. The programme's specific objectives are:

1. develop the ability to define problems and devise experiments to solve them in accordance with scientific standards;
2. study biochemical, molecular and cellular mechanisms in physiopathology using advanced technologies;
3. develop the ability to critically assess scientific literature;
4. provide solid, up-to-date knowledge in the specific field;
5. teach how to conduct independent research, and inform on related ethical implications.

The doctoral programme is conducted entirely in English.

### Academic disciplines

05/E (Experimental and Clinical Biochemistry and Molecular Biology)

05/F (Applied Biology)

05/G (Experimental and Clinical Pharmacological science)

06/A (Pathology and Laboratory Diagnostics)

06/D (Specialised Clinical Medicine)

06/N (Healthcare, applied medical technology, physical exercise and sports science professions)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years



## Places available

12

## Scholarships

9 University of Milan

1 funded by the Department of Medical Biotechnology and Translational Medicine for the following programme: “Surface topography-mediated foreign body response and tumorigenesis: an integrated study on the role of implants’ texturization”

1 funded by the Institute of Biomedical Technologies of the National Research Council for the following programme: “Integration of pharmacogenomic and pharmacometabolomic data used for a tailored opioid treatment for managing advanced-cancer pain”

1 funded by the Institute of Genetic and Biomedical Research for the National Research Council for the following programme: “Correcting genetic defects in pluripotent lines induced through a chromosomal transplant”

## Doctoral programme coordinator

Prof. Nicoletta Landsberger, full professor in scientific-disciplinary sector BIO/11  
[nicoletta.landsberger@unimi.it](mailto:nicoletta.landsberger@unimi.it)

## Admission requirements

All classes of master’s degrees

## Doctoral programme selection phases - Experimental Medicine

<i>Qualification assessment date</i>	<p>The assessment will take place on 8 September 2022. The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Interviews will take place on 19 September 2022.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University’s website</a>, on the programme’s webpage.</p> <p>Interviews will be held in person in Aula D of the Advanced-Technology Interdisciplinary Laboratory (L.I.T.A.), at Via Fratelli Cervi, 93 - 20090 Segrate (MI).</p> <p>Students wishing to interview virtually instead must submit a detailed request using Form 3.</p> <p>The interview will be in English.</p>



# UNIVERSITÀ DEGLI STUDI DI MILANO

This posting is equivalent to a notice to the persons concerned.



## Doctoral programme in Translational medicine

### Learning Objectives

The mission of this PhD programme is to train researchers able to develop research projects that bridge the gap between the laboratory and clinical practice, creating a more open line of dialogue and cooperation between the two.

Objectives:

1. learn to study biological structures at various levels of organisation, their physiological and pathological modifications from the vantage point of interactions between humans and the environment, exploring diagnostic and treatment practices, facilitating students' transition into clinical practice;
2. learn to take a translational approach to scientific research for the purpose of forging a connection between biological and clinical-behavioural discoveries, and illness prevention, treatment, and rehabilitation, in order to improve patient health and lifestyles, informed in part by the global trend towards increased life expectancy;
3. develop a solid base in the methodological disciplines needed to properly set a hypothesis for one's experiment, design an experiment, and critically evaluate its findings;
4. spark a dialogue between biological and clinical-behavioural research efforts, especially as they relate to processes underlying movement and physical activity, with a focus on illness and injury prevention, mental and physical wellbeing, athletic and professional performance, taking a holistic approach to treat a broad spectrum of patients (healthy, sick, or disabled);
5. understand the ethical implications of biological and clinical research.

The PhD programme is taught entirely in English.

### Academic disciplines

02/D (Applied physics, teaching and history of physics)

05/D (Physiology)

05/E (Experimental and Clinical Biochemistry and Molecular Biology)

05/F (Applied Biology)

05/H (Human Anatomy and Histology)

06/A (Pathology and Laboratory Diagnostics)

06/B (General Clinical Medicine)

06/C (General surgery)

06/D (Specialised Clinical Medicine)

06/E (Specialised Clinical Surgery)



06/F (Integrated Clinical Surgery)

06/G (Clinical Paediatrics)

06/I (Radiology clinic)

06/L (Anaesthesiology clinic)

06/N (Healthcare, applied medical technology, physical exercise and sports science professions)

09/G (Systems engineering and bioengineering)

### Research topics

Research topics can be found on the [University's website](#)

### Duration

3 years

### Places available

21

of which the following places are reserved for Executive PhDs under Art.10 of Ministerial Decree no. 226/2021, and subsequent guidelines under Ministerial Decree no. 301/2022:

2 reserved to employees of the Monzino Cardiological Centre

2 reserved to employees of the Fondazione Serena Onlus [Serena Foundation]

### Scholarships

15 University of Milan, of which one is reserved on a priority basis to students holding an LM-41 Master's degree in Medicine enrolled in a post-graduate programme in the medical field.

1 funded by the Istituto Superiore di Sanità for the following programme: "Measuring inter-subjective phenomena intrinsic to the interaction between clinic and patient, especially for purposes of studying the connection between the subjective experience of the clinic with seriously ill patients, and the neuro-biological aspects of mental illness, including cerebral connectivity, neurotransmission and neuromodulation, identified using structural and functional brain imaging, and methods of neurophysiological inquiry, and extended and validated neurocognitive-assessment batteries".

1 funded by the Kingdom of Saudi Arabia Royal Clinics for the following programme: "Role of individual genetic predisposition in the pathogenesis of fatty liver disease in multi-ethnic cohorts in Italy and Saudi Arabia".



**Doctoral programme coordinator**

Prof Chiarella Sforza, Ordinary Professor BIO/16 subject area

[chiarella.sforza@unimi.it](mailto:chiarella.sforza@unimi.it)

**Admission requirements**

All classes of Master's degrees

**Doctoral programme selection phases - Translational medicine**

*Qualification assessment date*

The assessment will take place on **12 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

*Interviews*

**Interviews will take place on 19 September 2022, 08.30 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person at Aula MB and Aula MA of the Academic Division, located at Via Mangiagalli, 31 - 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview will be in English.

This posting is equivalent to a notice to the persons concerned.





## Doctoral programme in Clinical research

### Learning Objectives

The objective of this PhD programme is to train participants to take a causal approach to research, and to the clinical management and treatment of disease.

Specific Objectives:

- identify the clinical requirements, and the leading grey areas in pathogenesis, diagnosis, and in the treatment approach taken to various clinical syndromes;
- correctly apply various research methodologies (randomised, observational-longitudinal, cross-sectional or transversal and case-control studies);
- identify and utilise biological and genetic markers to guide the process of disease diagnosis, and to predict the clinical outcomes of various illnesses;
- develop one's critical abilities to analyse and comment on clinical research findings which are either published or presented at national or international conferences;
- begin conducting independent clinical research, and appreciate the ethical constraints and issues related to clinical research.

The PhD programme is taught entirely in English.

### Academic disciplines

02/D (Applied physics, teaching and history of physics)

05/E (Experimental and Clinical Biochemistry and Molecular Biology)

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/G (Clinical Paediatrics)

06/I (Radiological surgery)

06/M (Public Health)

06/N (Healthcare, applied medical technology, physical exercise and sports science professions)

### Research topics

Research topics can be found on the [University's website](#)



**Duration**

3 years

**Places available**

12

of which the following have been set aside for Executive PhDs under Art.10 of Ministerial Decree no. 226/2021 and the subsequent guidelines established under Ministerial Decree no. 301/2022:

1 set aside for Fondazione IRCCS Istituto Neurologico Besta employees

1 reserved for employees of the Istituto Ortopedico Galeazzi

**Scholarships**

8 University of Milan, of which 3 are reserved on a priority basis to students holding an LM-41 Master's degree in Medicine enrolled in a post-graduate programme in the medical field.

1 funded by the Associazione Centro Dino Ferrari for the programme entitled "Markers to be associated with Alzheimer's using genetic, proteomic, and expressive studies to improve diagnostic and treatment efficacy - Role of non-coding RNA and omic (exomic and metabolic) level analysis"

1 funded by Takeda Italia S.p.A. and by the Department of Pathophysiology and Transplantation for the programme entitled "Study of nutritional status as a prognostic indicator in patients with chronic inflammatory bowel disease, celiac disease, or short-intestine disease: assessment of management and treatment approaches"

**Doctoral programme coordinator**

Prof Massimo Del Fabbro, Ordinary Professor in the MED/50 subject area  
[massimo.delfabbro@unimi.it](mailto:massimo.delfabbro@unimi.it)

**Curricula**

- Dentistry
- Specialised medicine

**Admission requirements**

LM-41 Medicine,

LM-46 Dental Medicine,

LM/SNT1 Nursing and Midwifery Sciences,

LM/SNT2 Rehabilitation Professions,



LM/SNT3 Health Professions for Technical Assistance,  
LM/SNT4 Preventive Care Professions.

### Reference letters

The University Faculty requires applicants to submit one Reference Letter. Please use the attached [Form 2](#), to be submitted via email to the PhD programme coordinator.

### Doctoral programme selection phases Clinical research

#### *Qualification assessment date*

The assessment will take place on **8 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

#### *Interviews*

**Interviews will take place on 19 September 2022, 09.00 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person in Aula 2 of the Padiglione Monteggia [Monteggia Pavilion] of the Policlinico di Milan, Via Francesco Sforza, 35 - 20122 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview will be in English.

This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Environmental Sciences

### Learning objectives

The doctoral programme provides solid grounding 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, land and human health.

As a highly interdisciplinary programme, it aims to develop:

- an understanding of methodological, instrumental, analytical, and statistical approaches to study of the environment;
- the ability to draw together the interdisciplinary studies of environmental system components.

The programme ensures high standards of learning in the integrated study of complex environmental systems regarding:

- current and past biological and non-biological components;
- functional relations between the biotic and a-biotic components and mediating mechanisms;
- changes both in the times of ecological processes and of evolutionary and geomorphological processes.

The programme focuses on the following issues:

- biodiversity, at all levels of organization of living organisms;
- the relationships between the biotic components and between them and the abiotic environment, including in anthropogenic components;
- human-environment interactions, including diachronically, both in terms of the impact of anthropic activities on environmental systems and the effects of the environment on risks for humans and human activities.

We also aim to develop innovative methods for teaching environmental sciences.

### Academic disciplines

01/A (Mathematics)

02/C (Astronomy, Astrophysics, Earth and Planetary Physics)

04/A (Geosciences)

05/A (Plant Biology)

05/B (Animal Biology and Anthropology)

05/C (Ecology)

05/G (Experimental and Clinical Pharmacological Sciences)

05/I (Genetics and Microbiology)



06/A (Pathology and laboratory diagnostics)

06/M (Public Health)

07/C (Agricultural, Forestry and Biosystem Engineering)

07/E (Agricultural Chemistry, Agricultural Genetics and Pedology)

07/G (Animal Sciences and Technologies)

07/H (Veterinary Medicine)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

10

### Scholarships

7 University of Milan

2 funded by the Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy for the following programmes:

“Systemic solutions for upscaling of urgent ecosystem restoration for forest related biodiversity and ecosystem services”

“Innovative techniques and tools for the conservation and optimisation of plant genetic resources of interest to the agro-food industry and at risk for erosion, and the sustainable development networks of mountain agro-ecosystems”

1 funded by the Department of Environmental Science and Policies for the following programme:  
“Collective and individual responses of avian flocks to robotic predators”

### Doctoral programme coordinator

Prof. Gentile Francesco Ficetola, full professor in scientific-disciplinary sector BIO/05  
[francesco.ficetola@unimi.it](mailto:francesco.ficetola@unimi.it)

### Admission requirements

All classes of master's degrees



## Doctoral programme selection phases - Environmental Sciences

### *Qualification assessment date*

The assessment will take place on 12 **September 2022**.  
The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

### *Interviews*

**Interviews will take place on 16 September 2022, 08.30 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person in Aula Economia at the Department of Environmental Science and Policies, located at Via Celoria 2, 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

Interviews will be held in English. The research proposal must be presented in the form of a PowerPoint presentation. Each candidate will be allotted 10 minutes.

This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Literature, Arts and Environmental Heritage

### Learning objectives

The doctoral programme in Literature, arts and environmental heritage is structured around two central ideas: the “text” (broadly considered as the product of intentional creative action), its history and success, the forms of its production and reception; the “context” or overall historical and environmental circumstances in which production of the text takes place. The new structure issues from experience developed during previous doctoral programmes in Classical Antiquity, History of Italian language and Literature, Cultural and Environmental Heritage Sciences. The cultural contents typical of the various sectors (philology, literature and linguistics, history and classical antiquity, archaeology, history of art, of music and of performing arts, human environmental sciences) will be studied in depth, developed and reorganised in a multidisciplinary whole.

### Academic disciplines

- 10/A (Archaeology)
- 10/B (Art History)
- 10/C (Music, Drama, Cinema, Television and Audiovisual Media)
- 10/D (Classical Antiquity)
- 10/E (Middle Latin and Romance Philologies and Literature)
- 10/F (Italian Studies and Comparative Literature)
- 10/G (Glottology and Linguistics)
- 10/N (Eastern and African Cultures)
- 11/A (History)
- 11/B (Geography)
- 11/C (Philosophy)
- 11/E (Psychology)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

7



## Scholarships

7 University of Milan

### Doctoral programme coordinator

Prof. Fabrizio Slavazzi, full professor in scientific-disciplinary sector BIO/05

[fabrizio.slavazzi@unimi.it](mailto:fabrizio.slavazzi@unimi.it)

### Admission requirements

Academic qualifications obtained in one of the following classes under Ministerial Decree 270/2004, or one of the corresponding classes under Ministerial Decree 509/99:

LM-2 Archaeology,

LM-3 Landscape Architecture,

LM-5 Archive Studies and Librarianship,

LM-10 Conservation of Architectural and Environmental Heritage,

LM-11 Cultural heritage conservation science,

LM-12 Design,

LM-14 Modern Philology,

LM-15 Philology, Literature and History of Classical Antiquity,

LM-19 Information and Editorial Systems,

LM-36 Languages and Literature of Africa and Asia,

LM-37 Modern European and American Languages and Literature,

LM-38 Modern Languages for International Communication and Cooperation,

LM-39 Linguistics,

LM-45 Musicology and Musical Heritage,

LM-48 Regional, Urban and Environmental Planning,

LM-49 Design and Management of Tourist Systems,

LM-50 Planning and Management of Educational Services,

LM-51 Psychology,

LM-65 Performance Arts and Multimedia Production,

LM-75 Environmental and Land Sciences and Technology,

LM-78 Philosophy,

LM-80 Geography,





LM-84 History,  
LM-89 Art History,  
LM-92 Communication Theory,  
LM-94 Specialised Translation and Interpreting,  
LMR/02 Conservation and Restoration of Cultural Heritage

**Doctoral programme selection phases - Literature, Arts and Environmental Heritage**

*Qualification assessment date*

The assessment will take place on **12 September 2022**.  
The assessment outcome will be posted to the [University website](#),  
on the study programme page, by the interview start date.

*Interviews*

**Interviews will take place on 16 September 2022, 10.00 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person in Aula K21 of the Department of Cultural Heritage and Environment, Via Noto, 6 - 20141 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. Anyway, all candidates will be assessed for English language proficiency.

This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Nutrition Sciences

### Learning objectives

The Doctoral Programme in Nutrition Sciences (DSN) offers integrated multidisciplinary and translational training in Nutrition research. The programme intends to train students in research in multiple fields, including nutrition, medicine, food chemistry, biology and veterinary medicine. Specialty areas include human nutrition, diet therapy, nutraceuticals (including animal), foods and food production, well-being, community nutrition, and food education, as well as animal nutrition (also as a model) and food safety. Nutrition knowledge and skills are integrated synergistically, as part of an innovative and attractive training path.

### 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/D (Specialised Clinical Medicine)
- 06/F (Integrated Clinical Surgery)
- 06/G (Clinical Paediatrics)
- 06/H (Clinical Gynaecology)
- 07/G (Animal Sciences and Technologies)
- 07/H (Veterinary Medicine)
- 11/E (Psychology)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

7



## Scholarships

6 University of Milan

1 funded by OBM Ospedale dei Bambini Milan - Buzzi Onlus for the programme entitled “Use of a ketogenic diet in treatment of drug-resistant epilepsy and in rare diseases” set aside to those holding LM-41 Master's degree - Medicine - enrolled in a post-graduate programme in medicine.

## Doctoral programme coordinator

Prof. Luciano Pinotti, full professor in scientific-disciplinary sector AGR/18

[luciano.pinotti@unimi.it](mailto:luciano.pinotti@unimi.it)

## Admission requirements

All classes of master's degrees

## Reference letters

The academic board requires that two reference letters, drawn up according to [Form 2](#) attached hereto, be sent by email to [miriam.cordoni@unimi.it](mailto:miriam.cordoni@unimi.it), cc to the doctoral programme coordinator [luciano.pinotti@unimi.it](mailto:luciano.pinotti@unimi.it).

## Doctoral programme selection phases - Nutrition Sciences

<i>Qualification assessment date</i>	<p>The assessment will take place on <b>12 September 2022</b>. The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Interviews will take place on 20 September 2022, 09.00 a.m.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a>, on the programme's webpage.</p> <p>Interviews will be held in person in Aula 5 of Building V7, Via Celoria, 10 - 20133 Milan.</p> <p>Students wishing to interview virtually instead must submit a detailed request using Form 3.</p> <p>The interview can be in Italian or English, at the candidate's choice. Anyway, all candidates will be assessed for English language proficiency.</p> <p>This posting is equivalent to a notice to the persons concerned.</p>



## Doctoral Programme in Earth Sciences

### Learning objectives

The doctoral programme in Earth Sciences aims to train young researchers so that they are able to autonomously investigate a broad range of geoscience topics. The mission is to form high profile geologists with scientific-technical-experimental training in the study, modelling and management of georesources who are able to solve problems effectively. Based on past experience, the programme will focus on immediately marketable hard & soft skills and meet the need for post-graduate education with up-to-date, innovative know-how. In particular, it will provide advanced specialist training

1. in basic, applied and theoretical research on problems relating to the structure, composition, evolution and dynamics of the Earth;
2. in the characterisation and modelling of the Earth System;
3. in basic and applied research on land use, natural hazards, energy and water resources, geomaterials, mineral prospecting and enhancement of cultural heritage.

The geological perspective of the overall functioning of the Earth System includes research centred on the processes at work 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) reconstruct the development and evolution of our planet, combining experimental observations and models;
- b) Define natural resources (oil, gas, mineral raw materials, water), their use and sustainable exploitation;
- c) Evaluate geological hazards (e.g., earthquakes, volcanic eruptions, floods, landslides);
- d) Devise works of geological engineering and infrastructures;
- e) Implement environmental reclamation technologies;
- f) Develop exploitation of raw materials for industrial applications;
- g) Preserve and make the most of our cultural geo-paleontological heritage;
- h) Evaluate forensic applications.

The EARTH SYSTEM: PROCESSES AND MODELLING curriculum aims to develop scientific-technical skills for understanding, quantifying and modelling the current Earth System and the geological record, characterised by complex interactions between Geosphere, Biosphere, Atmosphere and Hydrosphere.

The GEORESOURCES curriculum aims to develop innovative skills to address the global challenges deriving from the growing need for Georesources. Research activities will focus on a wide spectrum of geological skills regarding the identification and exploitation of energy, mineral and



water resources while preserving the landscape. The aim is to train high-profile geologists with scientific-technical-experimental training for research, modelling and management of georesources and for studying and enhancing the landscape and cultural heritage.

The programme is organised to meet teaching and research requirements related to the broad spectrum of geosciences. The lines of research developed during the doctoral programme in Earth Sciences are highly topical with extensive international significance, as witnessed by close cooperation with leading international research institutions. Special attention is dedicated to training researchers to tackle complex research topics in an independent and innovative manner. Training of doctoral students includes short courses and workshops, work experience in Italian and international institutions/laboratories, collaboration with industry, participation in Italian and international conferences and workshops, and other activities focused on overall training.

The programme is entirely in English

## **Academic disciplines**

04/A (Geosciences)

## **Research topics**

Research topics may be viewed on the [University website](#)

## **Duration**

3 years

## **Places available**

5

## **Scholarships**

5 University of Milan

## **Doctoral programme coordinator**

Prof. Maria Iole Spalla, full professor in scientific-disciplinary sector GEO/03

[iole.spalla@unimi.it](mailto:iole.spalla@unimi.it)

## **Curricula**

1. Earth System: Processes and Modelling
2. Georesources



### Admission requirements

Academic qualifications obtained in one of the following classes under Ministerial Decree 270/2004, or one of the corresponding classes under Ministerial Decree 509/99:

- LM-11 Cultural heritage conservation science,
- 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 Energy and Nuclear Engineering,
- LM-32 Computer Engineering,
- LM-34 Naval Engineering,
- LM-35 Environmental and Land Engineering,
- LM-40 Mathematics,
- LM-48 Regional, Urban and Environmental Planning,
- LM-53 Materials Science and Engineering,
- LM-54 Chemistry,
- LM-58 Universe Sciences,
- LM-60 Natural Sciences,
- LM-69 Agricultural Science and Technology,
- LM-71 Industrial Chemistry,
- LM-72 Navigation Science and Technology,
- LM-73 Forestry and Environmental Science and Technology,
- LM-74 Geological Sciences and Technologies,
- LM-75 Environmental and Land Sciences and Technology,
- LM-79 Geophysics,
- LM-82 Statistics.



## Reference letters

The academic board requires that two reference letters, drawn up according to [Form 2](#) attached hereto, be sent by email to the address [phd.earth.sciences@unimi.it](mailto:phd.earth.sciences@unimi.it)

## Doctoral programme selection phases - Earth Sciences

### *Qualification assessment date*

The assessment will take place on **8 September 2022**.  
The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

### *Interviews*

**Interviews will take place on 16 September 2022, 09.00 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person at the Ardito Desio Department of Earth Sciences, Via Mangiagalli, 34 - 20133 Milan,

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview will be in English.

This posting is equivalent to a notice to the persons concerned.



## Doctoral programme in Exercise and Sport Sciences

### Learning Objectives

This PhD programme is produced in collaboration with the Università Cattolica del Sacro Cuore. The doctorate of philosophy, abbreviated as follows: “Dott.Ric.” or “PhD” is conferred jointly by the Rectors of the University of Milan and the Cattolica del Sacro Cuore, pursuant to Ministerial Decree no. 45 of 8 February 2013.

The PhD programme intends to provide students a solid foundation in Exercise and Sport Sciences, developing their knowledge and methodologies in the following fields: sport as a complex social phenomenon, high-level sport (sport performance), sport for everyone / sport for healthy lifestyles. The programme, which takes an trans-disciplinary and interdisciplinary view, further aims to promote collaborations and synergy on current projects with national and international research groups, and with organisations taking an innovative approach to physical activity and sport. Thanks to its partnerships with the leading international academic institutions in this field, the programme has a strong international bent and is creating an international network of doctoral-level training. This network will pave the way for mutually beneficial exchanges and opportunities for students and instructors from different countries. The primary objectives identified are: familiarity with various research and clinical paradigms and methodological approaches helpful for the study and the improvement of the areas listed above; in-depth knowledge of phenomena relating to sport in its many iterations; the ability to harmonise knowledge and schools of thought across a variety of disciplines; designing and carrying out applied and innovative projects drawing upon principles of research predicated on sound scientific theories and evidence.

### Academic disciplines

06/N (Healthcare, applied medical technology, physical exercise and sports science professions)

11/E (Psychology)

11/D (Pedagogy)

13/B (Business Economics)

14/C (Sociology)

08/D (Architectural design)

### Research topics

Research topics are posted to the [University's website](#) (administrative headquarters)

### Duration

3 years





## Places available

9

of which the following spaces are set aside for Executive PhD's in accordance with Art.10 of Ministerial Decree and subsequent guidelines under Ministerial Decree no. 301/2022:

1 reserved for Municipality of Bergamo employees;

1 reserved for Soccerment S.r.l. employees;

2 reserved for Tecnobody S.r.l. employees;

1 reserved for Olympic del Alpes SA employees.

## Fellowships:

2 University of Milan

2 Università Cattolica del Sacro Cuore

## Doctoral programme coordinator

Prof Caterina Gozzoli, Ordinary Professor 11/E3 at the Università Cattolica del Sacro Cuore  
[caterina.gozzoli@unicatt.it](mailto:caterina.gozzoli@unicatt.it); [phd.sport@unicatt.it](mailto:phd.sport@unicatt.it)

## Admission requirements

All classes of Master's degrees

## Doctoral programme selection phases - Exercise and Sport Sciences

<i>Qualification assessment date</i>	<p>The assessment will take place on <b>8 September 2022</b>.</p> <p>The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Online interviews will be held from 15 September 2022.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a> on the programme's webpage</p> <p>Candidates may choose to interview in Italian or English. Students interviewing in Italian must demonstrate English-language proficiency.</p> <p>This posting is equivalent to a notice to the persons concerned.</p>



## Doctoral Programme in Pharmaceutical Sciences

### Learning objectives

The doctoral programme 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 providing advanced methodological knowledge and scientific content in the pharmaceutical sector, includes theory and research, both centred on the design, synthesis, development and control of new biologically active compounds, new pharmaceutical forms, special foods, cosmetics, biocides and medical devices, typical of the fields covered in the doctoral programme:

- Design and synthesis of biologically active compounds
- Pharmaceutical, biopharmaceutical and toxicological analysis
- Metabolism of medicines and pharmacokinetics
- Pharmaceutical technology and legislation
- Chemistry of foods and dietary products
- Fermentation biotechnology and chemistry
- Advanced methods of synthesis
- Chemical-physical characterisation of products with biological activity
- Medicinal plants and active ingredients of plant origin
- Statistical methods for experimental data processing in the chemical analysis laboratory.

The doctoral programme is entirely in English.

### Academic disciplines

03/A (Analytical, chemical-physical)

03/B (Inorganic, technological)

03/C (Organic, industrial)

03/D (Pharmaceutical, technological, nutritional)

05/A (Plant biology)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years



**Places available**

6

**Scholarships**

6 University of Milan

**Doctoral programme coordinator**

Prof. Giancarlo Aldini, full professor in scientific-disciplinary sector CHIM/08  
[giancarlo.aldini@unimi.it](mailto:giancarlo.aldini@unimi.it)

**Admission requirements**

Academic qualifications obtained in one of the following classes under Ministerial Decree 270/2004, or one of the corresponding classes under Ministerial Decree 509/99:

LM-6 Biology,

LM-8 Industrial Biotechnology,

LM-9 Medical, Veterinary and Pharmaceutical Biotechnology,

LM-13 Pharmacy and Industrial Pharmacy,

LM-21 Biomedical Engineering,

LM-22 Chemical Engineering,

LM-26 Security Engineering,

LM-53 Materials Science and Engineering,

LM-54 Chemistry,

LM-61 Nutrition,

LM-69 Agricultural Science and Technology,

LM-70 Food Science and Technology,

LM-71 Industrial Chemistry.

**Reference letters**

The academic board requires that one reference letter, drawn up according to [Form 2](#) attached hereto, be sent by email to the address [dottorato.scifarm@unimi.it](mailto:dottorato.scifarm@unimi.it) and cc to the doctoral programme coordinator.

**Doctoral programme selection phases - Pharmaceutical Sciences**

*Qualification assessment date*

The assessment will take place on **8 September 2022**.



## *Interviews*

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

**Online interviews will be held from 16 September 2021, 09.00 a.m.**

Exam procedures, the calendar with interview dates and times, and the title of the candidate's project will be posted to the [University website](#).

The interview can be in Italian or English, at the candidate's choice. Anyway, all candidates will be assessed for English language proficiency.

This posting is equivalent to a notice to the persons concerned.



## Doctoral programme in Pharmacological biomolecular sciences, experimental and clinical

### Learning Objectives

The PhD programme, positioned as the third level of University education, aims to train biomedical experts in the most modern aspects of research into pharmaceutical sciences, availing itself of the multi-disciplinary skills present amongst the faculty. Specific focus areas within the programme include:

- Basic research: the study of mechanisms and molecules key to physiopathological processes to identify new pharmacological targets and/or new predictive markers for illnesses and treatment efficacy. Research is undertaken through: 1) analysis of the molecular and cellular aspects underlying complex physiological processes, 2) the study of the pathogenetic mechanisms of disease, 3) the study of biological markers helpful to shift preclinical research to human beings
- Research applied to the pharmaco-toxicological study of active ingredients: 1) analysis of the operation of active ingredients including biological pharmaceuticals presently under development or in use clinically, 2) analysis of foods, food supplements, or phytopharmaceuticals with health benefits, 3) analysis of xenobiotic operations
- Research applied to generating innovative systems to study diseases and to develop medicines, and to assess their effects on a population level. Research is based on: 1) the development of cellular and animal models, using genetic engineering amongst other methods, 2) fine-tuning of preclinical protocols for simple and complex diseases, including co-morbidities, 3) silico approaches for the study of new pharmacological and toxicological targets, 4) the use of databases and population studies, for reasons including the assessment of pharmaceuticals and outcomes in terms of clinical events
- Technical-scientific collaborations for reviewing documentation of active components, and plant-health products, for pharmaco-surveillance and clinical centres

In conclusion, a student's training may be applied to various fields, whether in academia or for industry, which will allow for an effective translational "from bench to bedside" transfer within a multidisciplinary arena fundamental to public health, and having significant socio-economic impacts on community health.

The PhD programme is taught entirely in English.

### Academic disciplines

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)

05/I (Genetics and Microbiology)

06/A (Pathology and Laboratory Diagnostics)

06/D (Specialised Clinical Medicine)

### Research topics

Research topics can be found on the [University's website](#)

### Duration

3 years

### Places available

15

of which the following places set aside for Executive PhDs under Art.10 of Ministerial Decree no. 226/2021 and subsequent guidelines under Ministerial Decree no. 301/2022:

1 set aside for “Carlo Besta” Fondazione IRCCS Istituto Neurologico employees

### Scholarships

8 University of Milan.

3 funded by the Besta Fondazione IRCCS Istituto Neurologico Besta for the following programmes:

“Research and characterisation of predictive biomarkers for the identification of the risk of progression in patients affected by cerebral amyloid angiopathy (CAA)”.

“Characterisation of the activation of aggrephagy pathways in vacuolar myopathy from the codifying expansion of the PLIN4 gene through the generation of a cellular model and assessment of potential treatment strategies”.

“Assessment of new peripheral biomarkers to improve clinical diagnosis, and to monitor progression of frontotemporal dementia (FDT) and sporadic and genetic amyotrophic lateral sclerosis (ALS / Lou Gehrig's disease)”

1 funded by the Fondazione Nazionale di Genetica Molecolare - INGM for the programme: “Identification of new targets and strategies to combat the persistence of the Hepatitis B virus”

1 set aside to carry out a programme through the Pharmacological and Biomolecular Sciences funded by the Ministry of Education and Research under the “2018-2022 Academic Centres of Excellence” grants established under [Law no. 232 of 11 December 2016](#);

1 funded by the Department of Pharmacological and Biomolecular Sciences for the following programme: “Systematic characterisation of mitochondrial regulators of hepatocellular carcinoma”.



**Doctoral programme coordinator**

Prof. Giuseppe Danilo Norata, Ordinary Professor in the BIO/14 subject area

[danilo.norata@unimi.it](mailto:danilo.norata@unimi.it)

**Admission requirements**

Academic qualifications earned in one of the following classes, under Ministerial Decree no. 270/2004, or the corresponding class under Ministerial Decree no. 509/99:

- LM-6 Biology,
- LM-7 Agricultural biotechnologies,
- LM-8 Industrial Biotechnology,
- LM-9 Pharmaceutical, veterinary and medical biotechnologies,
- LM-13 Pharmacy and Industrial Pharmacy,
- LM-17 Physics,
- LM-18 Computer Science,
- LM-21 Biomedical engineering,
- LM-41 Medicine,
- LM-42 Veterinary Medicine,
- LM-54 Chemistry,
- LM-55 Cognitive Sciences,
- LM-60 Nature sciences,
- LM-61 Nutrition,
- LM-69 Agricultural Sciences and Technologies,
- LM-70 Food science and technology,
- LM-75 Environment and Land Science and Technology,
- LM-82 Statistics,
- LM/SNT1 Nursing and Midwifery Sciences,
- LM/SNT2 Rehabilitation Professions,
- LM/SNT3 Health Professions for Technical Assistance,
- LM/SNT4 Preventive Care Professions.



## Reference letters

The University Faculty requires applicants to submit two reference letters. Please use the attached [Form 2](#); please fill out the form and submit via email to: [daniilo.norata@unimi.it](mailto:daniilo.norata@unimi.it) and to: [dottorato.sfsc@unimi.it](mailto:dottorato.sfsc@unimi.it)

## Doctoral programme selection phases - Pharmacological biomolecular sciences, experimental and clinical

### *Qualification assessment date*

The assessment will take place on **9 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

### *Interviews*

**Interviews will take place on 16 September 2022, 08.30 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person at the Department of Pharmacological and Biomolecular Sciences, Via Balzaretti, 9 - 20133 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

Interviews will be held in English. The research proposal must be presented in the form of a PowerPoint presentation. Each candidate will be given 10 minutes for their presentation, and 5 minutes for questions.

This posting is equivalent to a notice to the persons concerned.





## Doctoral Programme in Legal Studies “Cesare Beccaria”

### Learning objectives

The programme provides high-level interdisciplinary training during which the doctoral student is offered the possibility of further study of law, with special reference to criminal law and procedure, Roman law, history, philosophy and sociology of law, and ecclesiastic and canon law.

The programme includes lessons and active participation at seminars, during which the PhD candidate will be encouraged to research different topics in detail. He/she will also be involved in research projects promoted by the Board of Lecturers and will be urged to write and publish contributions in the framework of these projects.

During the three-year period, the student will write an original scientific paper under the supervision of one or more tutors. The paper may be interdisciplinary.

A number of courses and seminars may be conducted in English. Part of the programme may also be conducted at a foreign university or research institute.

### Academic disciplines

12/C (Constitutional and ecclesiastical law)

12/G (Criminal law and procedure)

12/H (Roman law, history of medieval and modern law, and philosophy of law)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

8

of which the following places are reserved to Executive PhDs under Art. 10 of Ministerial Decree no. 226/2021, and subsequent guidelines under Ministerial Decree no. 301/2022:

1 reserved to Equilibrium S.r.l. employees

### Scholarships

6 University of Milan

1 funded by the Department of Legal studies "Cesare Beccaria" for the project: “Big data and law in the digital transformation of the city, citizens, minors and patients”.



### Doctoral programme coordinator

Prof. Francesca Poggi, full professor in scientific-disciplinary sector IUS/20

[francesca.poggi@unimi.it](mailto:francesca.poggi@unimi.it)

### Curricula

1. Criminal law and procedure
2. Roman law and history of law
3. Philosophy and sociology of law, ecclesiastic and canon law

### Admission criteria

Academic qualifications obtained in one of the following classes under Ministerial Decree 270/2004, or one of the corresponding classes under Ministerial Decree 509/99:

LM-18 Computer Science,

LM-32 Computer Engineering,

LM-52 International Relations,

LM-56 Economics,

LM-62 Political Sciences,

LM-63 Public Administration,

LM-66 Informatics Security,

LM-78 Philosophy,

LM-81 Development Cooperation,

LM-84 History,

LM-88 Sociology and social research,

LMG/01 Law.

### Doctoral programme selection phases - Legal Studies “Cesare Beccaria”

#### *Qualification assessment date*

The assessment will take place on **8 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

#### *Interviews*

**Interviews will take place on 15 September 2022, 09.00 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.



## UNIVERSITÀ DEGLI STUDI DI MILANO

Interviews will be held in person at the Cesare Beccaria Department of Law, located at Via Festa del Perdono, 7 -20122 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Food Systems

### Learning objectives

The aim of this doctoral programme is to prepare researchers and scholars specialised in nutrition with international standard methodological know-how, autonomy and specific skills in scientific research on food systems. With these learning objectives, the doctoral programme in Food Systems envisages many cross-sector research topics:

- 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.

The doctoral programme is held entirely in English.

### Academic disciplines

- 03/A (Analytical, Chemical-Physical)
- 03/D (Pharmaceutical, Technological, Nutritional)
- 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/E (Agricultural Chemistry and Genetics and Pedology)
- 07/F (Food Science and Technologies)
- 07/I (Agricultural microbiology)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

7



of which the following places are reserved for Executive PhDs under Art.10 of Ministerial Decree no. 226/2021, and subsequent guidelines under Ministerial Decree no. 301/2022:

1 reserved for Synbalance S.r.l. employees

### Scholarships

6 University of Milan

### Doctoral programme coordinator

Prof. Diego Mora, full professor in scientific-disciplinary sector AGR/16

[diego.mora@unimi.it](mailto:diego.mora@unimi.it); [food-systems@unimi.it](mailto:food-systems@unimi.it)

### Curricula

1. Chemistry and biochemistry
2. Agri-environment
3. Food Science and Nutrition

### Admission requirements

All classes of master's degrees

### Doctoral programme selection phases - Food Systems

<i>Qualification assessment date</i>	The assessment will take place on <b>8 September 2022</b> . The assessment outcome will be posted to the <a href="#">University website</a> , on the study programme page, by the interview start date.
<i>Interviews</i>	<b>Online interviews will take place on 15 September 2022, 09.00 a.m.</b>  The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a> , on the programme's webpage.  The interview will be in English.  This posting is equivalent to a notice to the persons concerned.



## Doctoral Programme in Public Health Sciences

### Learning objectives

The doctoral programme in Public Health Sciences aims to form researchers who are able to design, undertake and critically interpret research and advanced training projects and to assess health status and prevent the spread of transmittable and chronic-degenerative diseases within the population; promote health in individuals and populations; disseminate scientific culture and applicable research methodologies.

The internationalisation process foresees the exchange of students and professors with doctoral students, research centres and foreign institutions and the organisation of courses held by foreign experts.

The specific objectives of the doctoral programme include the development of research methodologies in the area of health, both laboratory and clinical; in the area of prevention policies focusing on the public and on particular groups at risk; in the context of services to the population for protecting and promoting individual health; in a transversal and transdisciplinary context that recognizes that the health of a populations is closely linked to that of animals and the environment ('one health' approach) and acquisition of a solid methodological grounding in the quantitative disciplines required to correctly apply and develop methods for the critical interpretation of basic, clinical, medical and epidemiological research findings.

### Academic disciplines

06/E (Specialised Clinical Surgery)

06/G (Clinical Paediatrics)

06/H (Clinical Gynaecology)

06/M (Public Health)

07/H (Veterinary Medicine)

13/B (Business Economics)

13/D (Statistics and mathematical methods for decision-making)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

7



of which the following places are reserved for Executive PhDs under Art.10 of Ministerial Decree no. 226/2021, and subsequent guidelines under Ministerial Decree no. 301/2022:

1 reserved for IRCSS Policlinico San Donato employees

1 reserved for European Society for Medical Oncology (ESMO) employees

1 reserved for Istituto Nazionale dei Tumori IRCCS Fondazione G. Pascale di Napoli employees

### Scholarships

4 University of Milan, of which one is reserved on a priority basis to students holding an LM-41 Master's degree in Medicine enrolled in a post-graduate programme in the medical field.

### Doctoral programme coordinator

Prof. Carlo La Vecchia, full professor in scientific-disciplinary sector MED/01  
[carlo.lavecchia@unimi.it](mailto:carlo.lavecchia@unimi.it)

### Admission requirements

All classes of master's degrees

### Doctoral programme selection phases - Public Health Sciences

<i>Qualification assessment date</i>	<p>The assessment will take place on <b>9 September 2022</b>. The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Interviews will take place on 20 September 2022, 09.00 a.m.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a>, on the programme's webpage.</p> <p>Interviews will be held in person in Aula Grande - Piano Terra [Ground Floor] Padiglione Granelli [Granelli Pavilion], Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Via Sforza, 35 - 20122 Milan.</p> <p>Students wishing to interview virtually instead must submit a detailed request using Form 3.</p> <p>The interview will be in English.</p> <p>This posting is equivalent to a notice to the persons concerned.</p>



## Doctoral Programme in Veterinary and Animal Science

### Learning objectives

The PhD programme in Veterinary and Animal Science contributes to develop highly qualified professionals capable of developing research projects in the field of veterinary science and zootechnics, and in related areas of biotechnology, lending their skills and knowledge in science and technological innovation.

The programme contemplates the development of a research project under the supervision of a tutor, and chosen from amongst the subject areas around which the programme is structured. In keeping with the University's strategic objectives, the programme carves out an international post-graduate study period of at least three months, with the student placed in an international research group.

The PhD in Veterinary and Animal Science aims to provide PhD the following:

- A baseline knowledge of the methodologies needed to design and carry out interdisciplinary research projects
- A foundation in both theory and practice in order to organise, manage, and disseminate research findings
- Opportunities to continue one's education and work in an international setting.
- The qualification to research groups within academia and beyond, including National Research Centres, Research Institutions which are scientific in nature, as well as in zooprophyllactic, industrial, and professional institutions.

### Academic disciplines

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 Sciences and Technologies)

07/H (Veterinary Medicine)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

12





## Scholarships

12 University of Milan

## Doctoral programme coordinator

Prof. Fabrizio Ceciliani, full professor in scientific-disciplinary sector VET/03

[fabrizio.ceciliani@unimi.it](mailto:fabrizio.ceciliani@unimi.it)

## Admission requirements

All classes of master's degrees

## Doctoral programme selection phases - Veterinary and Animal Science

### *Qualification assessment date*

The assessment will take place on **8 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

### *Interviews*

**Interviews will take place on 15 September 2022, 09.00 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage. Each candidate must present their research proposal in the form of a five-minute PowerPoint presentation.

Interviews will be held in person at the Department of Veterinary Medicine, at Via dell'Università 6 - 26900 Lodi (MI).

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview will be in English.

This posting is equivalent to a notice to the persons concerned.



## **Doctoral programme in Linguistic, literary and intercultural studies in european and extra-european perspectives**

### **Learning Objectives**

The PhD programme, which is positioned as the third level of University instruction, provides a high level of research training across a broad spectrum of languages, literature, and cultures, encompassing a variety of diverse geographic areas (Europe, Africa, Americas, and Asia), and on related interlinguistic and intercultural phenomena. In addition to the underlying research methodology, for each of the disciplines studied training objectives are organised into distinct research areas, and broken down by geographic and socio-cultural provenance. This, first and foremost, means that doctoral students are permitted to further their training in a discrete area of study, through tailored educational activities, as well as through seminars focused on launching independent research in their specific field of study. Additionally, doctoral candidates will be offered opportunities to learn alongside their counterparts studying other languages, and in all three subject areas identified by the programme title (language, literature, and intercultural studies). Training also includes acquiring tools the types of computer-based analysis widely used internationally. The result of this educational pathway is an international scholar in the very best sense of the word, a polyglot comfortable adding their voice to scientific debate in Europe and beyond, perfectly positioned to act as a mediator between Italian and international studies.

The linguistic areas of specialisation for the programme are: Arabic, Chinese, Danish, French, Hindi, Japanese, English, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, and German.

### **Academic disciplines**

- 10/E (Middle Latin and Romance Philologies and Literature)
- 10/F (Italian Studies and Comparative Literature)
- 10/H (French Studies)
- 10/I (Hispanic Studies)
- 10/L (English and Anglo-American Studies)
- 10/M (Germanic and Slavic Languages, Literature, and Culture)
- 10/N (Eastern and African Cultures)
- 11/A (History)
- 13/C (Economic History)

### **Research topics**

Research topics can be found on the [University's website](#)

### **Duration**

3 years

University of Milan  
Via Festa del Perdono 7 - 20122 Milan, Italy  
tel. +39 02503 111 - [unimi@postecert.it](mailto:unimi@postecert.it)



### Places available

8 of which 1 reserved for an employee of public research centres and institutions engaged in highly qualified operations (students will continue to earn their salary)

### Scholarships

7 University of Milan

### Doctoral programme coordinator

Prof Maria Vittoria Calvi, Ordinary Professor L-LIN/07 subject area

[maria.calvi@unimi.it](mailto:maria.calvi@unimi.it)

### Admission requirements

Academic qualifications earned in one of the following classes, under Ministerial Decree no. 270/2004, or the corresponding class under Ministerial Decree no. 509/99:

LM-14 Modern Philology,

LM-36 Languages and Literature of Africa and Asia,

LM-37 Modern European and American Languages and Literature,

LM-38 Modern Languages for International Communication and Cooperation,

LM-39 Linguistics,

LM-94 Specialised Translation and Interpreting.

### Doctoral programme selection phases - Linguistic, literary and intercultural studies in european and extra-european perspectives

*Qualification assessment date*

The assessment will take place on **12 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.



## *Interviews*

**Interviews will be held from 19 September 2021, 02.30 p.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person at the Department of Languages, Literature, Culture, and Mediation, located at Piazza Sant'Alessandro, 20123 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

Applicant must pass an aptitude test (before their interview). The test assesses proficiency in the student's selected language of specialisation, as reflected in their research proposal, and is taken on a pass/ fail basis.

This posting is equivalent to a notice to the persons concerned.



## Doctoral programme in Historical studies

### Learning Objectives

The topics handled in the PhD programme range from late antiquity to contemporary history, with a specific focus on political, cultural, economic, religious, and institutional history. The PhD also delves into studies relating to the history of ideas, science, publishing, political thought, archiving, and palaeography.

The PhD path focuses on the primary objective of developing, within the PhD candidate, an aptitude for historical research, and to provide them the tools needed to further develop their methodology and the proper use of sources. Under the tutelage of the tutor-instructor, PhD candidates must, first and foremost, cultivate their historical sensitivity, and reach a level of understanding of the chronicles and characters of history; they must likewise demonstrate knowledge regarding historical and historiographic debates within the time periods and socio-political settings in which they occurred. Using a specific tool set (bibliography, archival sources, print sources, etc.) the doctoral programme culminates, after three years, in the drafting of a final dissertation, one that demonstrates the PhD's capacity to navigate complex historical events in a critical and cogent manner.

The goal of the PhD is to give an international breadth to the candidate's studies, both by connecting them to a network of international universities and research centres (a number of students will be assigned a co-tutor from one of these institutions), and by learning from faculty who have trained at the most prestigious of foreign universities (in France, Germany, the UK, Japan, the U.S., and Brazil).

### Academic disciplines

10/A (Archaeology)

10/D (Classical Antiquity)

11/A (History)

11/C (Philosophy)

13/C (Economic History)

14/B (Political History)

### Research topics

Research topics are posted to the [University website](#)

### Duration

3 years



### Places available

7, of which 1 reserved to an employee of public research centres and institutions engaged in highly qualified operations (students will continue to earn their salary)

### Scholarships

5 University of Milan.

1 funded by the Department of Historical Studies for the programme entitled “Greek Citizenship in Epigraphic Documents”

### Doctoral programme coordinator

Prof Marco Soresina, Ordinary Professor M-STO/04 subject area

[marco.soresina@unimi.it](mailto:marco.soresina@unimi.it)

### Admission requirements

All classes of Master's degrees

### Reference letters

The University Faculty requires applicants to submit one Reference Letter. Please use the attached [Form 2](#); fill out the form and submit via email to: [annalisa.sena@unimi.it](mailto:annalisa.sena@unimi.it), cc'ing the programme coordinator at: [marco.soresina@unimi.it](mailto:marco.soresina@unimi.it)

### Doctoral programme selection phases - Historical studies

<i>Qualification assessment date</i>	<p>The assessment will take place on <b>09 September 2022</b>.</p> <p>The assessment outcome will be posted to the <a href="#">University website</a>, on the study programme page, by the interview start date.</p>
<i>Interviews</i>	<p><b>Online interviews will take place on 19 September 2022, 09.00 a.m.</b></p> <p>The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the <a href="#">University's website</a>, on the programme's webpage.</p> <p>The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.</p> <p>This posting is equivalent to a notice to the persons concerned.</p>



## Doctoral Programme in Studies on Organized Crime

### Learning objectives

The doctoral programme in Studies on Organized Crime aims to fulfil the need for highly specialized individuals in a field of such complexity and importance that new scientific know-how, as well as professional profiles and sensibilities, are required. It also aims to provide students with the knowledge (in sociology, history, law, economics, etc.) required to identify, define and contrast manifestations of organized crime, even within the scope of prevention, on the basis of sound theoretical foundations and appropriate methodological approaches.

### Academic disciplines

- 11/A (History)
- 12/C (Constitutional and ecclesiastical law)
- 12/D (Administrative and tax law)
- 12/E (International, European Union, comparative, economic, market and maritime law)
- 12/G (Criminal law and procedure)
- 12/H (Roman law, history of medieval and modern law, and philosophy of law)
- 13/B (Business Economics)
- 13/C (Economic History)
- 13/D (Statistics and mathematical methods for decision-making)
- 14/A (Political theory)
- 14/B (Political History)
- 14/C (Sociology)
- 14/D (Applied sociology)
- 01/B (Computer Science)

### Research topics

Research topics may be viewed on the [University website](#)

### Duration

3 years

### Places available

7



- of which 1 reserved for Executive PhD's under Art.10 of Ministerial Decree no. 226/2021 and subsequent guidelines under Ministerial Decree no. 301/2022 to employees of the Carabinieri Military Police

- of which 2 reserved to employees of public research centres and institutions engaged in highly qualified operations (students will continue to earn their salary).

### Scholarships

4 University of Milan

### Doctoral programme coordinator

Prof. Fabio Basile, full professor in scientific-disciplinary sector IUS/17

[fabio.basile@unimi.it](mailto:fabio.basile@unimi.it)

### Admission criteria

All classes of master's degrees

### Doctoral programme selection phases - Studies on Organized Crime

#### *Qualification assessment date*

The assessment will take place on **9 September 2022**.

The assessment outcome will be posted to the [University website](#), on the study programme page, by the interview start date.

#### *Interviews*

**Interviews will take place on 19 September 2022, 09.30 a.m.**

The interview schedule, showing each candidate's interview slot (name, date, time, and project presented), will be posted to the [University's website](#), on the programme's webpage.

Interviews will be held in person at the Cesare Beccaria Department of Law, located at Via Festa del Perdono, 7 - 20122 Milan.

Students wishing to interview virtually instead must submit a detailed request using Form 3.

The interview can be in Italian or English, at the candidate's choice. English language proficiency will be assessed anyway.

This posting is equivalent to a notice to the persons concerned.



**Annex A**

**DICHIARAZIONE SOSTITUTIVA DI ATTO NOTORIO**

Self-drafted affidavit  
(art. 47 del DPR n° 445/2000)  
(art. 47 Presidential Decree no. 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 making false statements and submitting false documents are crimes punishable by law (articles 75 and 76 of the Presidential Decree no. 445/2000)

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

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

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

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Milan, \_\_\_\_\_

Data/date

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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.

Pursuant to art. 3 of 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 laws in force.

## Annex B/Allegato B

DA COMPILARSI SOLO SE SI PRESENTA DOMANDA DI AMMISSIONE PER POSTI RISERVATI / THIS FORM MUST BE FILLED ONLY BY THOSE APPLYING FOR RESERVED POSITIONS

### 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 al momento della presentazione della domanda di ammissione al presente bando risulta essere dipendente dell'Azienda/Ente .....

that at the time of submitting the application for admission to this call for applications, he/she is an employee of the Company .....

- Per i possessori di laurea magistrale LM-41 Medicina e chirurgia che risulterà iscritto ad una scuola di specializzazione di area medica in ..... dell'Università di .....

For holders of a second cycle degree (Master's degree) in the area of LM-41 Medicine

he/she will be enrolled in a Specialisation School in medical area in..... at the University of.....;

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

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

Milan, \_\_\_\_\_

\_\_\_\_\_ 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.

## Form 1

### PROGETTO DI RICERCA / RESEARCH PROJECT

Cognome e nome del candidato  
Applicant's Full 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 no more than 4,000 words, excluding references.

**Form 2**

**REFEREE FORM**

<b>Applicant's Name</b>		<b>PhD</b>	
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To be completed in all areas

<b>Referee's name</b>		<b>Position/Title</b>	
<b>Institution/Company</b>			
<b>Address</b>		<b>City</b>	
<b>Zip code</b>		<b>Country</b>	
<b>Phone contact</b>		<b>Email</b>	
<b>Date</b>			

On the following scale, please rank the applicant against other students in comparable fields and indicate the comparison group used.

Bottom 50%	Top 50%	Top 25%	Top 10%	Top 5%	Top 2%

Please rate this applicant in overall promise for the doctorate (check one)

Unable to evaluate	Below Average	Average	Good	Outstanding	Exceptional

Give your comments here  
(Your personal evaluation about the candidate)

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**RICHIESTA COLLOQUIO TELEMATICO - ONLINE INTERVIEW**

DA COMPILARSI SOLO SE IL COLLOQUIO PER L'AMMISSIONE È PREVISTO IN PRESENZA DAL BANDO E IL CANDIDATO È IMPOSSIBILITATO A PRESENTARSI

THIS FORM MUST BE FILLED ONLY BY APPLICANTS WHO ARE UNABLE TO SIT THE ON THE UNIVERSITY PREMISES AS REQUIRED BY THE PHD ADMISSION CALL

IL/LA SOTTOSCRITTO/A - THE UNDERSIGNED

(COGNOME/SURNAME) \_\_\_\_\_

(NOME/NAME) \_\_\_\_\_

PASSAPORTO O CARTA D'IDENTITÀ/PASSPORT OR IDENTIY CARD n° \_\_\_\_\_

EMAIL \_\_\_\_\_

RICHIEDE DI SOSTENERE L'ESAME DI AMMISSIONE AL DOTTORATO IN MODALITÀ TELEMATICA/

REQUESTS TO TAKE THE PHD ADMISSION EXAM REMOTELY

PER I SEGUENTI MOTIVI /FOR THE FOLLOWING REASONS:

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DATA/DATE

FIRMA DEL RICHDENTE /  
SIGNATURE OF THE APPLICANT

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