



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

PUBLIC COMPETITION FOR ADMISSION TO DOCTORAL RESEARCH PROGRAMMES AT THE UNIVERSITY OF MILAN - A.Y. 2022/2023.	2
Art. 1 - Institution of Doctoral Research Programmes	3
Art. 2 - Admission requirements	3
Art. 3 - Application for admission	3
Art. 4 - Candidates with disabilities	5
Art. 5 - Candidates with SLD	5
Art. 6 - Admission exam	5
Art. 7 - Admission to the programmes	6
Art. 8 - Enrolment.....	9
Art. 9 - Scholarships	10
Art. 10 - Obligations of Doctoral Students.....	11
Art. 11 - Awarding of Qualification	11
Art. 12 - Processing of personal data.....	11
Art. 13 - Relevant regulations	11
Art. 14- Person in charge of the procedure and contacts	11
Doctoral Programme in Physics, Astrophysics and Applied Physics	12
Doctoral Programme in Mathematical Sciences.....	15
Doctoral Programme in Economic Sociology and Labour Studies.....	17
Annex A	19
Form 1	20
Form 2	21



Dir. DF/FTLI

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 decree protocol no. 917 of 15 October 2019, 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 agreement between the University of Milan and the National Institute of Nuclear Physics (INFN) for instituting and running a PhD programme in Physics, Astrophysics and Applied Physics, with administrative headquarters at the University of Milan, signed on 31 May 2022;
- 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 38th 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 - as of 3 October 2022)

- Fisica, astrofisica e fisica applicata - Physics, Astrophysics and Applied Physics
- Scienze matematiche - Mathematical sciences
- Sociologia economica e studi del lavoro - Economic sociology and labour studies

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 of the PhD cycle.

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. Candidates without a Master's degree admitted to the PhD programme must obtain the required qualification by the enrolment date.

Art. 3 - Application for admission

Applications must be submitted through the following procedure by no later than **2 pm on 18 July 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](#).

Non-EU candidates residing abroad are also required to submit an online application for pre-enrolment through [Universitaly](#), 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) 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) 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 in-person or online interview as shown in the respective schedule. 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.

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. Anyway, English language proficiency will be assessed during the interview.

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 **4 August 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.



Candidates admitted to the programme will be disqualified if they fail to prove English language proficiency (or other language skills as set forth herein), at least at level B2 of the Common European Framework of Reference for Languages (CEFR). Therefore, at the time of enrolment (as per art. 8 below), applicants must submit a language certificate recognized by the University of Milan to prove they meet the language proficiency requirement. For the purposes of admission, the language certificate must have been earned no more than three years prior to submission (no more than two years for the TOEFL certificate) and must certify all four Listening, Reading, Writing and Speaking skills.

The following language certificates are recognized by the University:

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
<i>IELTS International English Language Testing System (both Academic and General)</i>	
– 5.5 - 6.5	B2
– 7.0 - 8.0	C1
– 8.5 - 9.0	C2

CAMBRIDGE INTERNATIONAL

<i>Cambridge IGCSE First Language English</i>	
– Grade D or above	B2
<i>Cambridge IGCSE English as a Second Language</i>	
– Grade C or above	B2
<i>Cambridge O Level: English Language</i>	
– Grade C or above	B2
<i>Cambridge A/AS Level: English Language</i>	
– Grade E or above	B2

<u>CERTILINGUA</u>	B2
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DIPLOMA DI SCUOLA SECONDARIA DI SECONDO GRADO

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: those who fail to prove that they meet the language requirement upon enrolment shall be disqualified from admission and excluded from PhD programme. More specifically, disqualification and exclusion shall be mandatory in the following cases:

- (i) Failure to submit any of the above language certificate recognized by the University (or late submission with respect to the deadline set out in the call for applications). No other language certificates will be accepted;



- (ii) Failure to submit a language certificate, as per point (i), that lists all the skills required, namely Listening, Reading, Writing and Speaking skills;
- (iii) Certificates earned more than three years prior to submission (or more than two years for TOEFL).

The following candidates are not required to present a certificate:

- those who have obtained, or will obtain, by the enrolment date, a second cycle degree (where English is the specialist subject) in one of the following areas: 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 second cycle degree;
- those who have obtained, or will obtain, by the enrolment date, a second cycle degree taught entirely in English;
- those who, as part of their previous study programme, have already obtained, or will obtain by the enrolment deadline, a B2 level English language statement issued by the University Language Centre (SLAM).

The aforementioned waivers are mandatory.

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 Marie Curie grant recipients 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;
- Italian tax ID code.



To complete enrolment, the following documents must be sent to the International Students Office, through the *Informastudenti* service, (<https://www.unimi.it/en/study/student-services/welcome-desk-informastudenti>) by **2 November**:

- 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;
- Student visa (only for non-EU citizens residing abroad);
- Valid residence permit (only for non-EU citizens).

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. The grant can be cumulated with income from work, only in the cases set forth in art. 22 of the University Regulations for PhD programmes, provided that it does not exceed the amount of the grant.

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 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 - 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. 11 - 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. 12 - 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. 13 - 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. 14 - 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, 15 June 2022

THE RECTOR
(Elio Franzini)



Doctoral Programme in Physics, Astrophysics and Applied Physics

Learning objectives

The general theme of the PhD programme is Physics in cutting-edge areas of fundamental and applied research, with a focus on topics of excellence pursued by UniMI and INFN staff. The spectrum of research essentially covers all the topics of current Physics as indicated by the 5 proposed curricula. The required basic training is ensured by a conspicuous set of courses run specifically for the PhD programme and held by UniMI professors and INFN researchers, with final exams.

The students will also attend an international school and complete a public seminar when they return. The programme provides various opportunities for student discussion and exchange across different curricula. In particular, a doctoral workshop is organised at the end of each academic year. Training is supplemented by coordinated series of subject-specific conferences ("Physics Colloquia"). The students will engage in original research, under the supervision of a university or INFN tutor, and possibly a co-tutor. Each year they will present the progress made with a seminar open to the entire UniMI and INFN scientific community. To support research activities, the programme offers internship opportunities at national and international INFN laboratories as well as corporate or institutional research laboratories in the field of Physics and related technologies.

The doctoral programme is entirely in English.

Partner institution

INFN Istituto Nazionale di Fisica Nucleare (Italian National Institute of Nuclear Physics)

Academic disciplines

02/A (Physics of Fundamental Interactions)

02/B (Material Physics)

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

02/D (Applied Physics, Teaching and History of Physics)

09/E (Electric and Electronic Engineering and Measurements)

01/B (Computer Science)

Research topics

Research topics are available on the [University website](#)

Duration

3 years



Places available

15, of which one to be set aside for employees of public research institutes and centres in highly skilled positions (on paid leave)

Scholarships

11 funded by the University of Milan

3 funded by INFN - Istituto Nazionale di Fisica Nucleare

Doctoral Programme Coordinator

Prof. Matteo Paris, full professor in scientific-disciplinary sector FIS/03 matteo.paris@unimi.it

Curricula

1. Astrophysics
2. Material physics
3. Nuclear and particle physics
4. Fundamental theoretical physics
5. Applied physics

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-11 Cultural Heritage Conservation Studies;
- LM-17 Physics;
- LM-18 Computer Science;
- LM-20 Aerospace and Astronautical Engineering;
- LM-21 Biomedical Engineering;
- LM-22 Chemical Engineering;
- LM-25 Automation Engineering;
- LM-26 Security Engineering;
- LM-27 Telecommunication Engineering;
- LM-28 Electrical Engineering;
- LM-29 Electronic Engineering;
- LM-30 Energy and Nuclear Engineering;
- LM-32 Computer Engineering;
- LM-33 Mechanical Engineering;
- LM-40 Mathematics;
- LM-44 Mathematical and Physical Modelling in Engineering;



- LM-53 Materials Science and Engineering;
- LM-54 Chemistry;
- LM-58 Universe Sciences;
- LM-66 Informatics Security,
- LM-71 Industrial Chemistry;
- LM-74 Geological Science and Technology;
- LM-75 Environment and Land Science and Technology;
- LM-79 Geophysics;
- LM-82 Statistics;
- LM-91 Methods and techniques for the information society.

Reference letters

The Academic Board requires that two reference letters, drawn up according to [Form 2](#) attached hereto, be sent by email to phd@fisica.unimi.it

Doctoral programme selection phases - Physics, Astrophysics and Applied Physics

Qualification assessment date

The assessment will take place on **22 July 2022**.

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

Interviews

Interviews will be held starting from 26 July 2022.

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 will take place in person at the "Aldo Pontremoli" Department of Physics, via Celoria 16, 20133 Milan. Any candidates who are unable to attend in person may take the interview remotely by notifying the programme coordinator (phd@fisica.unimi.it) at least two days before the interview date.

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

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



Doctoral Programme in Mathematical Sciences

Learning objectives

The main purpose of the PhD programme is to introduce PhD students to research in mathematics, an activity that finds its main purpose in advancing knowledge in the various fields of mathematics. To this end, the programme aims to technically train PhD students by providing them with the specialist mathematical tools that are essential to work in mathematics. In addition to the purely technical aspects, one of the objectives is to teach PhD students to navigate bibliographic research in order to identify relevant contributions. Another aspect is to teach PhD students how to interact with their colleagues on campus and elsewhere in order to facilitate progress in their research. A further aspect consists in training PhD students to disseminate and publicize their research, usually by presenting their work at seminars and conferences and by visiting other research institutes where they can present their findings, e.g. in scientific discussions.

Academic disciplines

01/A (Mathematics)

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

Scholarships

7 University of Milan

Doctoral programme coordinator

Prof. Dario Bambusi, full professor in scientific-disciplinary sector MAT/07 dario.bambusi@unimi.it

Admission criteria

All classes of master's degrees

Reference letters

The Teaching committee requires that one reference letter, drawn up according to [Form 2](#) attached hereto, be sent by email to segrdott.mat@unimi.it



Doctoral programme selection phases - Mathematical Sciences

Qualification assessment date

The assessment will take place on 21 July 2022.

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

Interviews

Online interviews will be held starting from 27 July 2022.

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.

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



Doctoral Programme in Economic Sociology and Labour Studies

Learning objectives

The doctoral programme in Economic Sociology and Labour Studies aims to provide students with expertise in different areas, essential for the study and regulation of economic phenomena and labour. The programme is highly interdisciplinary: though focusing on economic sociology, it also embraces labour studies, economy and statistics, business organization and behavioural studies. These inter- and multi-disciplinary competencies are important in addressing the role of social and institutional factors in an innovative way within the context of the analysis and regulation of economic and labour phenomena in a complex and rapidly changing society. Besides providing theoretical and practical knowledge in relevant areas, the programme aims to provide strong methodological and empirical research skills, both quantitative and qualitative, in order to keep abreast of recent progress in international social and economic sciences, including non-standard social analysis techniques such as computer modelling and simulation (agent-based modelling).

The doctoral programme is entirely in English.

Academic disciplines

11/E (Psychology)

12/B (Commercial and labour law)

13/B (Business economics)

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

14/C (Sociology)

14/D (Applied sociology)

Research topics

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

Duration

3 years

Places available

4

Scholarships

3 University of Milan

1 funded by Fondazione Collegio Carlo Alberto



Doctoral programme coordinator

Prof. Gabriele Ballarino, full professor in scientific-disciplinary sector SPS/09
gabriele.ballarino@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 call.esls@unimi.it

Doctoral programme selection phases - Economic Sociology and Labour Studies

Qualification assessment date

The assessment will take place on **22 July 2022**.
The assessment outcome will be posted to the [University website](#) by the interview start date.

Interviews

Online interviews will be held starting from 28 July 2022.

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 will be in English.

Online 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:

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.

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.

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

Applicant's Name		PhD	
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To be completed in all areas

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

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)
