
PUBLIC COMPETITION FOR ADMISSION TO THE INTERUNIVERSITY DOCTORAL RESEARCH PROGRAMME IN INTERSECTORAL INNOVATION - A.Y. 2022/2023.............................................. 2
Art. 1 - Institution ................................................................................................................. 3
Art. 2 - Admission requirements .......................................................................................... 3
Art. 3 - Application for Admission ...................................................................................... 3
Art. 4 - Candidates with disabilities .................................................................................... 4
Art. 5 - Candidates with SLD .............................................................................................. 5
Art. 6 - Admission exam ....................................................................................................... 5
Art. 7 - Admission to the PhD programmes ......................................................................... 6
Art. 8 - Enrolment ................................................................................................................ 9
Art. 9 - Scholarships ............................................................................................................. 10
Art. 10 - Obligations of PhD 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 ..................................................................... 11
Doctoral Programme in Intersectoral Innovation ............................................................... 12
Annex A .................................................................................................................................. 21
Form 1 ................................................................................................................................... 22
Form 2 ................................................................................................................................... 24

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, approved by the Ministry of Education, University and Scientific 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 on PhD programmes;
- having regard to Italian Ministerial Decree No. 226 dated 14 December 2021, entitled “Regulations concerning the accreditation methods and of the locations and PhD programmes and the criteria for the institution of PhD programmes by accredited bodies
- Pursuant to the Articles of the University of Milan, promulgated by Rector’s Decree of 15 March 2012, as subsequently amended;
- Pursuant to the University’s Regulation for PhD Programmes and Students, issued by Rector’s Decree of 5 June 2015, as subsequently amended;
- Pursuant to the resolutions of the Academic Senate and the Board of Directors, at the meetings held on 17 and 18 May 2022, which instituted an industrial PhD programme for the University entitled “Intersectoral innovation PhD”, under Art. 10 of Ministerial Decree no. 226 of 14 December 2021;
- Pursuant to the Memorandum of the Ministry of Education and Research issued on 26 April 2022.
HEREBY DECREES

Art. 1 - Institution

The industrial PhD programme entitled “Intersectoral Innovation Phd” is instituted at the University of Milan for academic year 2022/2023 (38th cycle - beginning 3 October 2022), subject to accreditation by the MUR, and ongoing compliance with accreditation requirements.

A public competition for admission to the aforementioned PhD programme will be held at the University of Milan; selection will be based on qualifications and exams. The form annexed to this decree, which is an integral part thereof, contains a brief description of the programme, as well as the examination window, and a link to the University’s website. The latter provides information on the research topics identified by the programme’s Academic Board, in line with the course objectives and the relevant research and advanced training programme, that will be offered to candidates admitted to the PhD programme.

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 to the doctoral programmes over and above the prescribed number, provided that they have passed the admission exams set out in this decree.

Art. 2 - Admission requirements

Candidates in possession of a second cycle degree (Laurea magistrale), an equivalent qualification or a qualification equivalent to the level of studies (Master’s Degree) awarded by a foreign university, may apply to take part in the competition for admission to the doctoral research programmes, as per the article above.

The suitability of the foreign academic qualifications in terms of content is evaluated by the Examining Committee set up for admission to each PhD programme, in compliance with the regulations in force in Italy and in the country in which the academic qualification was issued, and with the international treaties or agreements on the recognition of qualifications for the purpose of continuing studies.

Candidates who have not yet completed their second cycle (magistrale) degree may also apply. In this case, candidates who are admitted onto the PhD course must obtain the required qualification by their enrolment date, on penalty of not being admitted.

Art. 3 - Application for Admission

Applications for admission must be submitted by no later than 2 pm on 15 September 2022, following the procedures described below:
1. Register on the **University portal**. This operation is not required of those already registered on the portal or in possession of university login details (final year students 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**;

The following documents (no larger than 10 MB) must be **uploaded** (in pdf .rtf or .jpg format) to complete the online admissions procedure:

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. For University of Milan graduates / upcoming graduates, the documentation will be pulled from their file; no separate submission is required.

B. CV, describing any professional experience and other qualifications held by the applicant;

C. Cover letter, using the template annexed hereto as **Form 1**, which must include at least one, and up to a maximum of five, codes for the lines of research the student is interested in pursuing, as selected from the table annexed to this call for applications;

D. Copy of passport (foreign applicants only);

E. List of publications (if any);

F. **Annex A.**

G. Online interview request (if desired; please use **Form 2**, attached).

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.

Self-drafted affidavits are accepted as and where provided for by the laws in force.

Please note that the failure to provide even just one of the documents from A to C above, will result in the candidate being **excluded from the competition**.

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

**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 PhD 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 Committee may avail itself of the assistance of experts in the discrete research areas listed in the annexed table, as well as representatives from the sponsoring organisations, but solely to express an opinion on the student's aptitude for the research in question.

The Committee will grant admission, and award the scholarships associated with the particular line of research, based on the results of the entrance exam. The Committee will take the lines of research inquiry identified by the applicant into consideration as well.

The selection procedure aims to assess the applicant's training, capabilities and aptitude for scientific research, as well as his/her personal motivations. It involves assessment of the CV and an in-person or online interview.

The candidate’s CV and research project will be evaluated prior to interview, and candidates will be able to see the result of the evaluation on the University portal on the programme's webpage.

Evaluation of the CV will take into account the candidate’s entire university career, any publications, any professional experience and other qualifications held. The Examining Committee can give a maximum of 30 points for the CV, taking into consideration the conditions and the amount of time taken by the candidate to obtain their qualifications.

**Candidates who obtain a score of at least 50% of the maximum points obtainable for the CV 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 is intended to assess the applicant’s comprehension of topics germane to the PhD programme, in terms of the programme’s educational and scientific goals, followed by a general
discussion aimed at verifying the applicant's skill set, his or her scientific acumen and personal motivations. A maximum of 70 points may be assigned to the interview. The interview can be in Italian or English, at the candidate’s choice. Anyway candidates can state their preference to be assessed in English.

To be allowed to sit for the test, candidates must present one of the following forms of ID:

a) Identity card;

b) Passport;

c) (Italian) driving licence.

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 and interview. Candidates must obtain a minimum score of 70/100 to pass the admission exam.

The general ranking is published on the page Postgraduate admission rankings page in the days following the examinations.

Art. 7 - Admission to the PhD programmes

Applicants are admitted to the programmes according to their position in the ranking list until the number of places available 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 published on the University website constitutes notification to the interested parties since they will not receive written communication.

Applicants admitted to the programmes lose their entitlement if they fail to enrol by the deadline, as specified in Art. 8, infra. 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.

A student may rank high enough for admission into multiple programmes, but may only matriculate into one.

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**
- FCE First Certificate in English **B2**
- CAE Certificate in Advanced English **C1**
- CPE Certificate in Proficiency in English **C2**
- CELTA Certificate in Teaching English for Speakers of Others Languages **C2**
- DELTA Diploma in English Language Teaching to Adults **C2**

**BEC Business English Certificates**
- 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 a SLAM Language Centre of the University within the four years prior to their matriculation into the PhD programme.


No other exceptions will be granted.

Art. 8 - Enrolment

The enrolment period for the PhD programmes runs from 26 September 2022 to 2 p.m. on 30 September 2022 on the SIFA Portal. Instructions are available on the University website.

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

Those enrolled in the PhD programme must pay an annual, regional University Education Incentive Programme fee of € 140.00, and a tax-revenue-stamp charge in the amount of € 16.00. These fees are deducted from the scholarship amount.

International students awarded a scholarship from their home country, and Marie Curie fellows, must pay an annual matriculation and course-attendance fee of € 980.00, which includes regional tax and tax-revenue-stamp charges.

Students with disabilities at or above 66%, and/or with a disability recognised under Law no. 104/92 will have these fees waived, provided they submit an application for fee waiver; these students will only be required to pay the tax-revenue-stamp charge of € 16.00.

Enrolment fees are non-refundable, even if a student decides not to enrol in the programme.

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 Universitaly;

• 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

Scholarships will be awarded in accordance with the rules and regulations established under the governing law, and based on the student’s ranking in the scholarship competition. The scholarship’s gross amount is € 16,350.00. The scholarship is IRPEF tax-exempt in accordance with Art. 4 of Law no. 476 of 13 August 1984, and is subject, in terms of insurance, to the rules established by Art. 2, paragraph 26 et seq. of Law no. 335 of 8 August 1995, as subsequently amended. 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 candidates ranked equally, scholarships are awarded by assessing the candidates’ economic situation according to the ISEE (Equivalent Economic Situation Indicator).

Regional University Education Incentive Programme fees, and applicable taxes, (for a total of € 156.00) will be deducted from the scholarship amount.

Scholarships have a yearly duration and can be renewed on condition that the PhD student has been accepted by the Academic Board for the following year, after it is ascertained that he/she has correctly and successfully completed the programme of activities in the previous year.

Starting from the first year, each PhD student, including those who are employed by the businesses identified in Art. 10, infra, is given, in addition to the scholarship and depending on the financial resources existing in the University budget, a budget for research activity in Italy and abroad appropriate for the type of course and in any case for an amount no less than 10% of the amount of the scholarship itself.
Art. 10 - Obligations of PhD Students

The doctoral research programme entails 1,500 hours of training-education and research activities per year. The rights and obligations of the PhD students are regulated by art. 22 of the University Regulations concerning doctoral research programmes.

Art. 11 - Awarding of qualification

The qualification of Doctor of Philosophy, abbreviated to “Dott. Ric.” or “Ph.D.”, is awarded in accordance with the provisions of Art. 23 of the University Regulation for PhD programmes and students.

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 respect the confidential nature of the information provided by applicants. All data provided will be processed solely for purposes related and instrumental to the competition and to manage the applicant’s relationship with the University, where necessary, in compliance with current laws.

Art. 13 - Relevant regulations

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

Art. 14 - Person in Charge of the Procedure

Pursuant to law No. 241 of 7 August 1990 the manager of the procedure related to this announcement is Ms 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, 27 July 2022

THE RECTOR
(signed Elio Franzini)
Doctoral Programme in Intersectoral Innovation

Learning objectives

The PhD programme in INTERSECTORAL INNOVATION intends to develop a cadre of professionals equipped with the field-specific and interdisciplinary skill set needed to access, both during their doctoral programme and in their professional career thereafter, entirely novel professional opportunities. This decidedly intersectoral training will pave the way for a career in academia or in business or industry, facilitating the transfer of knowledge and techniques intrinsic to the academic sphere to the world of manufacturing and production. These professionals will become a driving force for an increasingly connected and effective cooperation between business and academia. Our students will be uniquely poised to contribute specialised knowledge in scientific, technological, and societal innovation in their chosen field. The multidisciplinary nature of UNIMI allows the institution to develop doctoral-level training with high-level, field-specific and interdisciplinary training customised in an innovative way to the needs of the businesses partnering with our doctoral programme, and to the manufacturing and public sector at large. Students will have access to a broad network of research institutions through which to conduct research in Europe's most sophisticated research facilities, thanks to the nationally and internationally relevant projects in which our programme faculty participate. This level of international exposure is ensured by UNIMI’s status as the sole Italian member of LERU (League of European Research Universities), and founding member (in 2019) of the 4EU+ Alliance, along with five other major Universities (the Sorbonne, Charles University in Prague, and the Universities of Heidelberg, Warsaw, and Copenhagen), with the mission of creating a European university campus marked by the international mobility of its students, instructors, and staff, and an organic synergy between the classroom and the research laboratory. There are presently 34 PhD programmes available at UNIMI, which can be grouped into three macro-categories: science and technology; medicine and healthcare; humanities, law, and social sciences. Over the past few years, there has been a major push within each doctoral programme to draw top talent within each of these areas from amongst the University’s own faculty, and from leading instructors and experts at other institutions and organisations. The INTERSECTORAL INNOVATION faculty will be made up of business leaders, University instructors possessing a high level of scientific knowledge coupled with contacts in both the business world and in the public sector, and finally of the coordinators of UNIMI’s current doctoral programmes (or their deputies). The broad range of research topics explored within the University’s 34 PhD programmes will allow students to identify the best educational pathway to reach their research goals, with the active support of the programmes’ business partners, not to mention the manufacturing and institutional infrastructure for which Milan, and the Region of Lombardy more generally, are renown. To that end, each student will have the support of two supervisors, one from within the University, and one business leader. These ad-hoc programmes will be developed in sync with the company and the PhD programme’s faculty, and will require both University coursework as well as research activities.
## Research topics

Research topics are even available on the [University portal](#).

<table>
<thead>
<tr>
<th>CODE</th>
<th>Research Title</th>
<th>Scientific Director</th>
<th>Fellowship/Grant/Scholarship Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tools and methods of exercising “analogous control”: benchmarking between the Municipality of Milan and other administrations to identify best practices and experiences</td>
<td>Prof. Francesca Biondi</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>2</td>
<td>Organization and consolidation of the connection of tax jurisdiction with the higher Courts, in light of the planned reform of the tax process and similar European experience</td>
<td>Prof. Gaetano Ragucci</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>3</td>
<td>Organization and consolidation of the connection of civil jurisdiction with the higher Courts, in light of similar European experiences, in the areas of immigration, international protection and free movement of EU citizens</td>
<td>Prof. Alessia Di Pascale</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>4</td>
<td>Behavioral responses to legal restrictions, in pursuit of ecological transition goals</td>
<td>Prof. Marco Sica</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>5</td>
<td>Implementation and non-implementation of the Gelmini Law ten years after its adoption. New organizational forms for the autonomy of the University and foreign models.</td>
<td>Prof. Lorenza Violini</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>6</td>
<td>Standard costs at the regional level for the activation of essential levels of service in the area of civil and social rights, with a view to the implementation of</td>
<td>Prof. Lorenza Violini</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>7</td>
<td>From knowledge to expertise in the digital-transition scenario of Public Administration</td>
<td>Prof. Diana Urania Galetta</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>8</td>
<td>Multilevel governance of a digital ecosystem and the skills needed to face the challenges of the new ways of managing and using public services</td>
<td>Prof. Diana Urania Galetta</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>9</td>
<td>Tools for local welfare: public-private partnerships, neighborhood networks, co-production, and co-management (Sentence 131 of 2020 and subsequent measures implementing horizontal subsidiarity).</td>
<td>Prof. Renato Ruffini</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>10</td>
<td>New organizational forms of horizontal and vertical coordination for addressing new global challenges (such as inclusion, sustainability, staff training needs). National models and best practices.</td>
<td>Prof. Renato Ruffini</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>11</td>
<td>Alternatives to imprisonment, community sentence and recidivism</td>
<td>Prof. Gian Luigi Gatta</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>12</td>
<td>Techniques of criminal law drafting</td>
<td>Prof. Gian Luigi Gatta</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>13</td>
<td>Governance of cultural and religious pluralism in prisons</td>
<td>Prof. Daniela Milani</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>No.</td>
<td>Project Title</td>
<td>Professor Name</td>
<td>Scholarship Funded By</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------------------------------------</td>
<td>----------------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>14</td>
<td>Life imprisonment, between constitutional principles, prison reform and prison organization</td>
<td>Prof. Angela Della Bella</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>15</td>
<td>Instruments for the innovation of services in complex social environments: developing management capacities in the sector of social policies for disadvantaged youth</td>
<td>Prof. Maurizio Ambrosini</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>16</td>
<td>Establishing a Quality Monitoring System for Early Childhood Education and Care</td>
<td>Prof. Stefano Neri</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>17</td>
<td>The challenge for the Regional Public Administration: Designing and Evaluating Public Policies for Inclusive and Sustainable Societies</td>
<td>Prof. Franca Maino</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>18</td>
<td>Good practices for the management of confiscated assets in the Milan area</td>
<td>Prof. Lucia Musselli</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>19</td>
<td>Crime of labor exploitation and infiltration of organized mafia crime</td>
<td>Prof. Fabio Basile</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>20</td>
<td>Economic impact analysis of fiscal policies on the labour market and in particular on the labour force participation of women, on income distribution and on tax compliance.</td>
<td>Prof. Carlo Fiorio</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>21</td>
<td>Evolution and future trends of public sector policies: impact of job classification systems on public work organization and</td>
<td>Prof. Renato Ruffini</td>
<td>Scholarship funded by Ministerial Decree no. 351/22-Public administration</td>
</tr>
<tr>
<td>22</td>
<td>Professional activity and administrative support for the survey and production of the Official Geological Map of Italy (with GIS database) to improve the sustainable land management</td>
<td>Prof. Fabrizio Berra</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Public administration</td>
</tr>
<tr>
<td>23</td>
<td>The circulation of experimental publishing concerning verbo-visual artistic research of the Twentieth century</td>
<td>Prof. Giorgio Zanchetti</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>24</td>
<td>Food and feed safety in the circular economy</td>
<td>Prof. Chiara Di Lorenzo</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>25</td>
<td>Development of models to reconcile mountain agriculture and biodiversity conservation</td>
<td>Mr. Mattia Brambilla</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>26</td>
<td>Methods of explainable machine learning applied to LiDAR scans analysis</td>
<td>Prof. Alessandra Micheletti</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>27</td>
<td>RNA medicine: a novel approach to block the pathological communication between tumor and microenvironment</td>
<td>Prof. Raffaella Chiaramonte</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>28</td>
<td>Development and application of systems for preventing the spread of zoonotic diseases in the milk supply chain</td>
<td>Prof. Alfonso Zeconni</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>29</td>
<td>The discourse of responsibility in corporate communication: linguistic and discursive perspectives</td>
<td>Prof. Paola Catenaccio</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>30</td>
<td>Innovative materials for advanced energy applications</td>
<td>Prof. Francesca Tessore</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>31</td>
<td>Role of EstrogeN signalling in the hepatic sexual dimorphism: relevance for GENDER Pharmacology (ENGENDER)</td>
<td>Ms. Sara Della Torre</td>
<td>Scholarship funded by Ministerial Decree no. 351/22 - Italy's Resilience and Recovery Plan</td>
</tr>
<tr>
<td>32</td>
<td>Metaverse, decentralization, and new frontiers of WEB3</td>
<td>Prof. Ernesto Damiani</td>
<td>Scholarship funded by Almaviva Spa</td>
</tr>
<tr>
<td>33</td>
<td>Study of quantum proof and quantum resistant algorithms for Blockchain</td>
<td>Prof. Stelvio Cimato</td>
<td>Scholarship funded by Almaviva Spa</td>
</tr>
<tr>
<td>34</td>
<td>AI-ML fusion techniques for the early diagnosis of prostate cancer</td>
<td>Prof. Gabriele Gianini</td>
<td>Scholarship funded by CDI - Centro Diagnostico Italiano Spa</td>
</tr>
<tr>
<td>35</td>
<td>Development, optimization, and regulatory aspects of viral removal methods based on chromatographic and filtration systems.</td>
<td>Prof. Paola Minghetti - Dott.ssa Alessandra Altomare</td>
<td>Scholarship funded by Eurofins biolab Srl</td>
</tr>
<tr>
<td>36</td>
<td>Social and economic impact assessment in urban regeneration operations; for a methodological and operational approach to the planning and implementation of interventions</td>
<td>Prof. Marina Brambilla</td>
<td>Scholarship funded by EY advisory Spa</td>
</tr>
<tr>
<td>37</td>
<td>The impact of the built environment on human health and well-being: a systemic approach.</td>
<td>Prof. Marina Brambilla</td>
<td>Scholarship funded by Lendlease Srl</td>
</tr>
<tr>
<td>38</td>
<td>Analysis of clinical data to support the medical decision-making strategy in the management of patients with heart failure or ASCVD, through a risk stratification process</td>
<td>Prof. Roberto Sassi</td>
<td>Scholarship funded by Novartis pharma Spa</td>
</tr>
<tr>
<td>39</td>
<td>Higher Education in the Milan metropolitan area: job opportunities and interaction with companies.</td>
<td>Prof. Matteo Turri</td>
<td>Scholarship funded by Officine innovazione Srl</td>
</tr>
<tr>
<td>40</td>
<td>Legal engineering for urban regeneration: collaborative frameworks with multilateral approaches</td>
<td>Prof. Marina Brambilla</td>
<td>Scholarship funded by the MUSA Project under Italy’s Resilience and Recovery Plan (Spoke 1)</td>
</tr>
<tr>
<td>41</td>
<td>Analysis and assessment of public policies for developing an engaged citizenry, and for supporting early childhood and adolescence</td>
<td>Prof. Carlo Florio</td>
<td>Scholarship funded by the MUSA Project under Italy’s Resilience and Recovery Plan (Spoke 4)</td>
</tr>
</tbody>
</table>

**Duration**
3 years

**Places available**
41 Scholarships

22 Ministerial Decree no. 351/22 - Public administration
9 Ministerial Decree no. 351/22 - Italy’s Resilience and Recovery Plan
1 funded by ALMAVIVA S.p.A. for the following programme: “Metaverse, decentralisation, and new frontiers of WEB3”

1 funded by ALMAVIVA S.p.A. for the following programme: “Study of quantum-proof and quantum-resistant algorithms for Blockchain”

1 funded by CDI - Centro Diagnostico Italiano SPA (Bracco) for the following programme: “AI-ML fusion techniques for early detection of prostate cancer”

1 funded by EUROFINS BIOLAB SRL for the following programme: “Development, optimisation, and regulatory assessment of viral-removal methods based on chromatographic and filtration systems”

1 funded by EY ADVISORY SPA for the following programme: “Social and economic impact assessment in urban regeneration operations; for a methodological and operational approach to the planning and implementation of interventions”

1 funded by LENDLEASE SRL for the following programme: “The impact of the built environment on human health and well-being: a systemic approach.”

1 funded by NOVARTIS FARMA SPA for the following programme: “Analysis of clinical data to support the medical decision-making strategy in the management of patients with heart failure or ASCVD, through a risk stratification process”

1 funded by OFFICINE INNOVAZIONE SRL for the following programme: “Higher Education in the Milan metropolitan area: job opportunities and interaction with companies”

2 funded by Resilience and Recovery Plan / MUSA - Multilayered Urban Sustainability Action* Project funds for the following programmes:

“Legal engineering for urban regeneration: collaborative frameworks with multilateral approaches”

“Analysis and assessment of public policies for developing an engaged citizenry, and for supporting early childhood and adolescence”

* The awarding of the two scholarships funded by the MUSA - Multilayered Urban Sustainability Action Project is subject to the Ministry of Education and Research’s final allocation of project funding.

Doctoral programme coordinator

professor Francesco Ragusa, full professor, FIS/01 scientific-disciplinary sector.

francesco.ragusa@unimi.it

Admission requirements

All classes of Master’s degrees

Assessment results will be posted to the University website, on the programme webpage, no later than the start date for interviews.
The interview schedule, showing each candidate’s interview slot (date and time), will be posted to the University’s website, on the programme’s webpage.

Interviews will be held in person. Students wishing to interview virtually instead must submit a detailed request using Form 2.

Candidates may choose to interview in Italian or English. Students interviewing in Italian must demonstrate English-language proficiency.

Posting to the University website constitutes notice to all interested parties.
Annex A

DICHIARAZIONE SOSTITUTIVA DI ATTO NOTORIO/ DECLARATION IN LIEU OF AN AFFIDATIV

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
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

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

che le pubblicazioni/ i titoli sotto elencati, prodotti in copia, sono conformi all’originale:
that the publications and the qualifications listed below, produced as copies, comply with the
originals:

_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________

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. No Eu citizens must
submit the original documentation or photocopies authenticated in compliance with the law in force.
**Form 1**

**TEMA DI RICERCA - LETTERA DI MOTIVAZIONE**  
**RESEARCH THEME - MOTIVATION LETTER**

<table>
<thead>
<tr>
<th>Cognome: Surname:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nome: Name:</td>
<td></td>
</tr>
<tr>
<td>Firma del/la candidato/a: Applicant’s signature:</td>
<td></td>
</tr>
</tbody>
</table>

**a) Selezione dei temi di ricerca**

Le borse del dottorato “Intersectoral Innovation” sono tutte vincolate ai temi di ricerca riportati nel bando. Il/la candidato/a deve indicare nella sottostante tabella almeno un tema di ricerca fino ad un massimo di 5 indicando i codici delle borse riportati nel bando.

**a) Research Themes selection**

The scholarships of the “Intersectoral Innovation” PhD course are all bounded to the research themes reported in the call. In the table below, the applicant must indicate at least one research theme up to a maximum of 5 indicating the scholarships codes reported in the call.

| Codici delle borse di interesse del/la candidato/a  
Vedi scheda del corso e art. 2 del bando | Indicare almeno uno fino ad un massimo di 5 codici  
Insert at least 1 and up to 5 codes of scholarships you are interested in |
|------------------------------------------|------------------------------------------------|
| Codes of the scholarships of interest to the candidate  
Refer to PhD description sheet and to art. 2 of the call | 1. |
|                                           | 2. |
|                                           | 3. |
|                                           | 4. |
|                                           | 5. |
b) Lettera di motivazione

Il/la candidato/a scriva una lettera (lunga almeno 3500 caratteri, spazi inclusi) nella quale illustri i motivi della sua partecipazione al concorso di ammissione al dottorato Intersectoral Innovation. In particolare:

1. illustri, facendo riferimento ad almeno uno dei temi di ricerca selezionati, come le sue competenze e conoscenze precedenti potrebbero essere utili al progetto di ricerca;

2. Illustri, sempre facendo riferimento ad almeno uno dei temi di ricerca selezionati, quali conoscenze e quali competenze pensa che potrà acquisire alla fine del triennio del dottorato;

3. Illustri perché ritiene utile intraprendere un corso di studi di dottorato

4. Altri elementi che ritiene possano essere utili alla commissione esaminatrice per l'ammissione.

b) Motivation letter

The applicant must provide a letter (of at least 3500 characters, including spaces) explaining the reasons of her/his participation to the selection of the PhD course “Intersectoral Innovation”. In particular:

1. With reference to at least one of the research themes selected, how her/his previous competences and knowledge could be useful to the research project;

2. Always with reference to at least one of the research themes selected, which competences and knowledge she/he thinks will acquire at the end of the three-years PhD course;

3. Explain why she/he considers useful to participate to a PhD course;

4. Other elements she/he thinks could be useful to the selection committee.
Form 2

RICHiesta colloquio telematico - online interview

Da compilarsi solo se il candidato è impossibilitato a presentarsi

This form must be filled **only** by applicants who are unable to sit the on the university

Il/la sottoscritto/a - the undersigned
(Cognome/surname) ________________________________________________________________

(Nome/Name) __________________________________________________________________________

Passaporto o carta d'identità/passport or identity 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:

_________________________________________________________________________________

_________________________________________________________________________________

_________________________________________________________________________________

_________________________________________________________________________________

DATA/DATE

Firma del richiedente /

Signature of the applicant