

## **Description sheets XLI cycle**

### **Session I**

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Legal Sciences

Marine Sciences, Technology and Management (MTM)

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Translational and Molecular Medicine – DIMET

URBEUR-Urban Studies

| <b>Analysis of Social and Economic Processes (ASEP)</b><br><b>(Cod. 118R)</b> |   |      |  |
|---|---|------|--|
| <b>Department</b>   | Sociology and Social Research   |      |  |
| <b>Coordinator</b>  | Prof. Alberta Andreotti   |      |  |
| <b>Length of program</b>  | 3 years   |      |  |
| <b>Research topics</b>  | Subjective Well-being, Communication, Youth, Life courses, Culture and Cultural Change, Demography, Deviance and Crime, Social Research Design and Methods, Social Inequality, Economics, Ethnicity and Interethnic Relations, Family, Gender, Education, Labor Market, Social Change, Organizations, Migrants and Migrations, Social Networks, Public Policy Evaluation.   |      |  |
| <b>Places available</b>   | University scholarships   | n. 5 |  |
|   | Total number of places available  | n. 5 |  |
| <b>Selection procedures</b>   | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of research project</li> <li>• Oral examination (videoconference)</li> </ul>   |      |  |
| <b>Assessment of qualifications</b>   | <p>1) Grade of bachelor degree: max 3 points</p> <p>2) Grade of master degree (second cycle): max 7 points</p> <p>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</p> <p>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</p> <p>1) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</p> <p>2) Certification of joint researches and analysis: max 2 points</p> <p>3) Certification of training periods and/or research periods abroad of at least two months: max 2 points</p> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 8 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |      |  |

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| <b>Research project</b>   | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project. The project must be written in English.</p> <p>The project must follow the following structure:</p> <ul style="list-style-type: none"> <li>• Objective of the research activity</li> <li>• Positioning in relation to the state of the art or originality</li> <li>• Research questions and hypotheses</li> <li>• Methodology to be used</li> <li>• Impact and relevance</li> </ul> <p>The project must be a maximum of 2500 words long including bibliography.</p> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted and will be excluded from the competition.</b></p> |
| <b>Additional documents</b>   | <p><b>Reference letters:</b> two reference letters, written in a free form, signed by university teachers or experts according to the procedure described in the art. 4, are requested.</p>  |
| <b>Information about examinations</b>                                   | <p><b>Oral examination:</b> During the oral examination, the research project presented by the candidate will be discussed.</p> <p>During the oral exam candidates will be assessed with respect to:</p> <p>(a) the candidate's educational and research background to date;</p> <p>(b) the study interests and research objectives that the candidates intend to pursue in the course of the doctoral programme.</p> <p>The following aspects will be taken into account in the evaluation of the discussion: clarity and linearity of exposition, argumentative capacity, theoretical and methodological knowledge in the social sciences, congruence of study interests and research objectives with the research themes of the doctoral programme.</p>   |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>27 May 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>  | <p>Oral examinations will take place on:<br/><b>10 and 11 June 2025</b> from <b>9:00 a.m.</b> to <b>18:00 p.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>12 June 2025</b> from <b>9:00 a.m.</b> to <b>18:00 p.m.</b></p>   |
| <b>Rankings</b>   | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>   |

**Business for Society  
(Cod. 111R)**

|                                     |  |      |  |
|-------------------------------------|--|------|--|
| <b>Department</b>                   | Business and Law   |      |  |
| <b>Coordinator</b>                  | Prof. Elisabetta Marafioti   |      |  |
| <b>Length of program</b>            | 3 years  |      |  |
| <b>Research topics</b>              | <p>Rethinking the responsible corporation by bridging management, law, governance, and purpose; measuring, managing, and communicating on performance for sustainability; environmental, social, governance: a new paradigm for businesses; finance and economy for society; business education for society</p> <p>The PhD program in B4S adopts a macro perspective in the analysis of the impact of economic and business activities on society and a micro perspective of companies and not-for-profit organizations and allows one to deepen one's knowledge of emerging business and management ideas and strategies</p>  |      |  |
| <b>Places available</b>             | University scholarships  | n. 3 |  |
|                                     | Total number of places available   | n. 3 |  |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of the research project</li> <li>Oral examination (videoconference)</li> </ul>  |      |  |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 3 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |      |  |
| <b>Research project</b>             | <p>During the application process, in addition to their qualifications, candidates must also upload a research project that will mandatory have:</p> <p>a) to be drawn in English; b) to be maximum of <b>5 pages</b>; c) to contain the following elements: title, research proposal, reference literature, research methodology, expected results.</p> <p>Candidates agree not to use generative artificial intelligence systems for developing their research project.</p> <p><b>To access the oral examination a minimum score of 2 in the assessment of the research project is requested, otherwise candidates will not be admitted to the oral</b></p>  |      |  |

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|   | <b>examination and will be excluded from the competition</b>  |
| <b>Additional documents</b>   | <b>Reference letters:</b> The candidate must submit two reference letters written in an unofficial style and signed by professors or experts in accordance with art. 4 of the Call.   |
| <b>Information about the examinations</b>                               | <p><b>Oral examination:</b> During the oral examination the research project uploaded by the candidates will be discussed. Candidates will have to present and discuss also the training and research path undertaken so far.</p> <p>During the oral examination candidates should show clarity and straightforwardness of the exposition, reasoning capability, theoretical and methodological knowledge in the management, congruence of study interests and research objectives with the research topics of the doctoral program.</p> <p>The oral exam will be conducted in English.</p> |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 22<sup>nd</sup> 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>   |
| <b>Oral examinations</b>  | <p>Oral examinations will take place on <b>May 28<sup>th</sup> 2025</b> from <b>9:00 a.m. to 6:00 p.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 5<sup>th</sup> 2025</b> from <b>9:00 a.m. to 1:00 p.m.</b> and <b>June 18<sup>th</sup> 2025</b> from <b>9:00 a.m. to 6:00 p.m.</b></p>  |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>   |
| <b>Contact for academic information</b>                                 | <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/business-society-b4s">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/business-society-b4s</a>   |

| <b>Chemical, Geological and Environmental Sciences</b><br><b>(Cod. 124R )</b> |  |      |  |
|---|--|------|--|
| <b>Department</b>   | Earth and Environmental Sciences   |      |  |
| <b>Coordinator</b>  | Prof. Marco Malusà   |      |  |
| <b>Length of program</b>  | 3 years  |      |  |
| <b>Curricula</b>  | 1. Chemical Sciences<br>2. Geological Sciences<br>3. Environmental Sciences  |      |  |
| <b>Research topics</b>  | Look at the website:<br><a href="https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/linee-ricerca">https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/linee-ricerca</a><br><a href="https://www.disat.unimib.it/en/study/phd-chemical-geological-and-environmental-sciences/research-lines">https://www.disat.unimib.it/en/study/phd-chemical-geological-and-environmental-sciences/research-lines</a> |      |  |
| <b>Places available</b>   | University scholarships  | n. 8 | n. 2 scholarships - Chemical Sciences Curriculum<br>n. 3 scholarships - Geological Sciences Curriculum, one of which linked to 'Polar Science' projects<br>n. 3 scholarships - Environmental Sciences Curriculum   |
|   | Scholarships funded by the Department  | n. 6 | n. 1 scholarship - Geological Sciences Curriculum funded under the TECLA Excellence Project, linked to the following research project: <i>"Study of the evolution of the climate in the past"</i> <b>(PROG.1)</b> ;<br>n. 1 scholarship - Geological Sciences Curriculum funded under the TECLA Excellence Project, linked to the following research project: <i>"Monitoring of the effects of ongoing climate warming and mitigation strategies and techniques"</i> <b>(PROG.2)</b> ;<br>n. 1 scholarship - Geological Sciences Curriculum funded under the Magmatic Triggering of Cenozoic Climate Changes Project- MATRICs, linked to the following research project: <i>"Assessing CO<sub>2</sub> emissions from Neo-Tethyan magmatic arcs through melt inclusion and Hg-Te analyses on Iranian rocks: Implications for Cenozoic climate evolution"</i> <b>(PROG.3)</b> ;<br>n. 1 scholarship - Geological Sciences Curriculum funded under the Magmatic Triggering of Cenozoic Climate Changes Project- MATRICs, linked to the following research project: <i>"Neo-Tethyan magmatic CO<sub>2</sub> emissions and climatic effects: Insights from melt inclusions and Hg-Te analysis on rocks from Ladakh (India)"</i> <b>(PROG.4)</b> ;<br>n. 1 scholarship - Geological Sciences Curriculum funded under the Magmatic Triggering of Cenozoic Climate Changes Project- MATRICs, linked to the following research project: <i>"The role of Neo-Tethyan CO<sub>2</sub> emissions in driving Cenozoic climate changes: Insights from melt inclusions and Hg-Te analyses on Tibetan rock samples"</i> <b>(PROG.5)</b> ;<br>n. 1 scholarship - Environmental Sciences Curriculum, linked to the following research project: <i>"Development of cal/val tools and algorithms for fluorescence retrieval in the context of the FLEX space mission"</i> <b>(PROG.6)</b> . |

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|   | Scholarships funded by external bodies   | n. 1  | n. 1 scholarship Chemical Sciences Curriculum funded by Bracco Imaging S.p.a., linked to the following research project: <i>"Green Chemistry applied to industrial processes for the preparation of APIs for diagnostics and intermediates thereof"</i> <b>(PROG.7)</b> |
|   | Total number of places available   | n. 15 |   |
| <b>Selection procedures</b>   | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of research project</li> <li>Oral examination (videoconference)</li> </ul>  |       |   |
| <b>Assessment of qualifications</b>                                     | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |       |   |
| <b>Research project</b>   | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project.</p> <p>The research project, with a maximum length of 3000 words (bibliography excluded) and containing a maximum of 4 figures, must be written in English and uploaded in pdf format. The research project is preferably developed from the proposals contained in the 'research lines call for interest', available at the links indicated in the 'Research Topics' section of this call sheet.</p> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted and will be excluded from the competition.</b></p>   |       |   |
| <b>Information about examinations</b>                                   | <p><b>Oral examination:</b> During the oral examination, the research project submitted by the candidate on topics related to the candidate's chosen curriculum will be discussed, and the candidate's knowledge and skills and his/her aptitude for research in the scientific areas covered by the PhD will be tested. The examination may be taken in Italian or English at the candidate's choice. During the oral examination, knowledge of the English language will be tested.</p>  |       |   |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>30<sup>th</sup> May 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |       |   |
| <b>Oral examination</b>   | <p>Oral examinations will take place on <b>4<sup>th</sup> June 2025</b> from 9 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on June 5, 6, 9, 10, 11, 12, 13 2025 from 9 am.</p>   |       |   |

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| <b>Rankings</b>                         | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a> </p>  |
| <b>Contact for academic information</b> | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/chemical-geological-and-environmental-sciences">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/chemical-geological-and-environmental-sciences</a></p> <p><a href="https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/offerta-didattica">https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/offerta-didattica</a></p> |
| <b>Further information</b>              | <p>Different tests and rankings are planned for the various curricula.<br/> Each candidate may participate in the selection for one curriculum only.</p> <p>If not all scholarships available for a curriculum – not linked to a research project - are assigned, they will be assigned according to a general ranking, made up of all those who are eligible in other curricula, on the basis of the score obtained in the admission competition.</p>  |



| <b>Computer science</b><br><b>(Cod. 114R)</b> |   |      |  |
|---|---|------|--|
| <b>Department</b>                             | Computer Science, Systems and Communications  |      |  |
| <b>Coordinator</b>                            | Prof. Leonardo Mariani  |      |  |
| <b>Length of program</b>                      | 3 years   |      |  |
| <b>Research topics</b>                        | All research topics related to SSD INF/01, MAT/09 and ING-INF/05  |      |  |
| <b>Places available</b>                       | University scholarships   | n. 5 |  |
|   | Total number of places available  | n. 5 |  |
| <b>Selection procedures</b>                   | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of the research project</li> <li>Oral examination (videoconference)</li> </ul>   |      |  |
| <b>Assessment of qualifications</b>           | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of the research project no minimum score in the assessment of qualifications is requested.</b></p> |      |  |
| <b>Research Project</b>                       | <p>During the application process, in addition to their qualifications, candidates must also upload a research project, drawn up in English, of maximum 4 pages (minimum font size: 11 points), which discusses the reasons and the relevance of the research for Computer Science, the state of the art in the industry, the objectives and the research challenges and the methodology adopted. Up to 5 relevant references for the research community should be provided.</p> <p><b>To access the oral examination a minimum score of 4 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p>   |      |  |
| <b>Additional documents</b>                   | <p><b>Reference letters:</b> candidates can optionally upload up to a maximum of two reference letters, written in a free form, signed by university teachers or experts according to the procedure described in the art. 4 of the Call.</p>  |      |  |
| <b>Information about the examinations</b>     | <p><b>Oral examination:</b> the research project proposed by the candidate shall be discussed during the oral examination.</p> <p>The examination will be in English.</p>   |      |  |

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| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 28<sup>th</sup> 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p> |
| <b>Oral examinations</b>  | <p>Oral examinations will be held on <b>May 29<sup>th</sup> and 30<sup>th</sup> 2025</b> and <b>June 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> 2025</b> from <b>9:30 a.m.</b> to <b>6:00 p.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 16<sup>th</sup>, 17<sup>th</sup> and 18<sup>th</sup> 2025</b> from <b>9:30 a.m.</b></p>  |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>   |
| <b>Contact for academic information</b>                                 | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/computer-science">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/computer-science</a></p>  |

## Converging Technologies for Biomolecular Systems (TeCSBi) (Cod. 117R)

|                                     |   |      |  |
|-------------------------------------|---|------|--|
| <b>Department</b>                   | Biotechnology and Bioscience  |      |  |
| <b>Coordinator</b>                  | Prof. Andrea Galimberti   |      |  |
| <b>Length of program</b>            | 3 years   |      |  |
| <b>Research topics</b>              | <p>The cultural project of the PhD Course focuses on biological systems studied from the point of view of specific emerging properties, exploiting innovative technologies and analyzing the different levels of complexity, from the ecosystemic to the molecular one.</p> <p>Research projects will be focused on three main pillars:</p> <ul style="list-style-type: none"> <li>- Systems and molecular biology approaches for the study of complex biological functions</li> <li>- Synthetic biology, Bio-organic Chemistry and Green Chemistry</li> <li>- Bioprospecting, Bioprocesses, Management and Valorization of Natural Resources</li> </ul>  |      |  |
| <b>Positions available</b>          | University scholarships   | n. 5 |  |
|                                     | Scholarships funded by the Department   | n. 2 | <p>n. 2 scholarships funded by Department of Biotechnology and Biosciences, HORIZON-CL6-2024-BIODIV-01 program, linked to the following research project:</p> <p><i>BUTTERFLY - 101181930 – "Mainstreaming pollinator stewardship in view of cascading ecological, societal and economic impacts of pollinator decline" (PROG.1)</i></p> |
|                                     | Scholarships funded by external bodies  | n. 1 | <p>n. 1 scholarship funded by Difa Cooper S.p.A. (Cantabria Labs), linked to the following research project:</p> <p><i>"Development and optimization of functional nanomaterials for physical modulation of cell aging processes" (PROG.2)</i></p>   |
|                                     | Total number of available positions   | n. 8 |  |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of research project</li> <li>• Oral examination (videoconference)</li> </ul>   |      |  |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted</b></p> |      |  |

|   |   |
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|   | <b>and will be excluded from the competition.</b>   |
| <b>Research project</b>                         | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project in English language as follows:</p> <ul style="list-style-type: none"> <li>- Candidate's Name and Surname; Research Topic ID (among those proposed by the TeCSBi committee); Project's Title; State of art (Max 300 words); Objectives (Max 200 words); Work plan - tasks and expected deliverables - (Max 500 words); Impacts of the project (Max 200 words); References (max 15).</li> </ul> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted to the oral examination and will be excluded from the competition.</b></p> <p>A list of research topics proposed by the TeCSBi Teaching Board, concerning both ordinary grants and those funded by external bodies/companies, further information and the editable form for writing the project are available at this address:<br/> <a href="https://elearning.unimib.it/course/view.php?id=22611">https://elearning.unimib.it/course/view.php?id=22611</a></p> |
| <b>Information about the examinations</b>       | <p>During the oral examination, the research project submitted by the candidate among those offered by the TeCSBi teaching board will be discussed. The oral examination consists of an interview regarding the skills acquired in previous research experiences (Master's thesis and/or subsequent specializations) The oral examination in videoconference will be taken partly in English to test the candidate's knowledge of English.</p>  |
| <b>Results of the qualifications assessment</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>6<sup>th</sup> June 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>   |
| <b>Oral examinations</b>                        | <p>Oral examinations will take place on <b>16<sup>th</sup> June 2025</b> from 9 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examination also on <b>17<sup>th</sup> and 18<sup>th</sup> June 2025</b> from 9 am.</p>   |
| <b>Rankings</b>                                 | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>   |
| <b>Contact for academic information</b>         | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/converging-technologies-biomolecular-systems-tecsbi">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/converging-technologies-biomolecular-systems-tecsbi</a></p> <p><a href="https://elearning.unimib.it/course/view.php?id=22611">https://elearning.unimib.it/course/view.php?id=22611</a> (to see the research projects)</p>  |
| <b>Further information</b>                      | <p>The mobility of phd students in other foreign Research Institutes is an ordinary activity for positions linked to the University scholarships and to the project scholarships. To support mobility for these positions, an increase in the scholarship for maximum 12 months is granted.</p>   |

**Cultural and Social  
Anthropology  
(Cod. 119R)**

|                                     |   |      |   |
|-------------------------------------|---|------|---|
| <b>Department</b>                   | 'Riccardo Massa' Human Sciences for Education Department  |      |   |
| <b>Coordinator</b>                  | Prof. Alice Bellagamba  |      |   |
| <b>Length of program</b>            | 3 years   |      |   |
| <b>Research topics</b>              | We welcome innovative proposals in all fields of cultural and social anthropology. We are interested in researches that expand the anthropological and ethnographic knowledge of Africa, Northern and Southern America, Central Asia, China, Europe, India, the Middle East, Oceania, South-East Asia in addition to Italy and the Mediterranean basin.   |      |   |
| <b>Places available</b>             | University scholarships   | n. 4 |   |
|                                     | Scholarships funded by the Department   | n. 2 | n. 2 scholarships funded by the grant Department of Excellence 2023-2027, linked to the following research project: " <i>The socio-cultural dimension of the digital transition</i> " <b>(PROG.1)</b> |
|                                     | Places without scholarship  | n. 1 |   |
|                                     | Total number of places available  | n. 7 |   |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of the research project</li> <li>• Oral examination (videoconference)</li> </ul>   |      |   |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of the research project no minimum score in the assessment of qualifications is requested.</b></p> |      |   |
| <b>Research project</b>             | <p>During the application process, in addition to their qualifications, candidates must also upload a research project (max. 6 pages, line spacing 1, bibliography included) formulated according to the following structure:</p> <ol style="list-style-type: none"> <li>1. Summary;</li> </ol>   |      |   |

|   |  |
|---|--|
|   | <p>2. General objectives and innovative character of the research topic compared with the state of the art;</p> <p>3. Work plan over three years;</p> <p>4. Feasibility of the project in terms of prior knowledge (linguistic, ethnographic, bibliographic), institutional contacts, relationships that can facilitate the research;</p> <p>5. Bibliography.</p> <p><b>To access the oral examination a minimum score of 4 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |
| <b>Information about examinations</b>                                   | <p><b>Oral Examination:</b> The interview discusses the research project uploaded by the candidate. The exam consists of an oral interview, carried out either in Italian or English at the candidate's choice. The selection committee will test the English proficiency of candidates that have chosen Italian for the interview.</p> <p>The candidates are expected to show methodological insight, critical ability, methodological insight, and the capacity of raising (and defending) their arguments in a clear and straightforward way.</p>                             |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>June 12<sup>th</sup> 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>   |
| <b>Oral examinations</b>  | <p>Oral examinations will be held on <b>June 16<sup>th</sup> 2025</b> from <b>9:30 a.m.</b> to <b>6:30 p.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 17<sup>th</sup> 2025</b> at <b>9:30 a.m.</b></p>  |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                                 | <p><a href="https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/cultural-and-social-anthropology">https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/cultural-and-social-anthropology</a></p>   |

| <b>Economics, Statistics and Data Science</b><br><b>Joint PhD course with the University of Bergamo and Università Cattolica del Sacro Cuore</b><br><b>(Cod. 112R)</b> |  |       |   |
|--|--|-------|---|
| <b>Department</b>  | Economics, Management and Statistics (DEMS)  |       |   |
| <b>Coordinator</b>   | Prof. Matteo Manera  |       |   |
| <b>Length of program</b>   | 4 years  |       |   |
| <b>Curricula</b>   | 1. Economics<br>2. Statistics<br>3. Big Data & Analytics for Business  |       |   |
| <b>Research topics</b>   | <p>The PhD in Economics, Statistics and Data Science is active on the following research fields: econometrics, macroeconomics, microeconomics, methodological statistics, applied and computational statistics, data science. Particular attention is devoted to the following research topics: game theory; industrial economics; DSGE models; time series analysis; forecasting/nowcasting; development economics; behavioral and experimental economics; information economics; banking; innovation management; stochastic processes; Bayesian statistics; statistical inference; computational statistics; statistical modelling; statistical learning; structured and non-structured data analysis; machine learning; data mining; natural language processing; deep learning and computer vision for business; data visualization and visual analytics.</p> <p>Additional information can be found on the PhD official website:<br/> <a href="https://www.dems.unimib.it/en/research/phd-programme">https://www.dems.unimib.it/en/research/phd-programme</a></p> |       |   |
| <b>Places available</b>  | University scholarships  | n. 10 | n. 4 scholarships on the Economics curriculum<br>n. 4 scholarships on the Statistics curriculum<br>n. 2 scholarships on the Big Data & Analytics for Business curriculum  |
|  | Scholarships funded by external bodies   | n. 2  | n. 1 scholarship funded by University of Bergamo, for the Statistics curriculum, linked to the following research project: <i>"Advanced Statistical Methods for Complex Data Analysis"</i> <b>(PROG.1)</b><br><br>n. 1 scholarship funded by Università Cattolica del Sacro Cuore di Milano, for the Statistics curriculum, linked to the following research project: <i>"Statistical and Computational Methods for Complex Data"</i> <b>(PROG.2)</b> |
|  | Total number of places available   | n. 12 |   |
| <b>Selection procedures</b>  | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of the research project</li> <li>Oral examination (videoconference)</li> </ul>  |       |   |
| <b>Assessment of qualifications</b>  | 1) Grade of bachelor degree: max 3 points<br>2) Grade of master degree (second cycle): max 7 points<br>2bis) Grade of old system degree or single-cycle second level degree: max 10 points<br>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points<br>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points<br>5) Certification of joint researches and analysis: max 2 points<br>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points   |       |   |

|   |   |
|---|---|
|   | <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |
| <b>Research project</b>   | <p>During the application process, in addition to their qualifications, candidates must also upload a research project.</p> <p>The research project, drawn up exclusively in English, should not exceed 5 pages in length (including any graphs, figures, tables and bibliographical references) and should be relevant to the curriculum and topic (for project-based scholarships) chosen by the candidate.</p> <p><b>To access the oral examination a minimum score of 4 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p>  |
| <b>Information about examination</b>                                    | <p><b>Oral examination:</b> During the oral examination the research project uploaded by the candidates will be discussed. The oral exam will be held in English.</p>   |
| <b>Additional documents</b>   | <p><b>Reference letters:</b> The candidate must submit two reference letters written in an unofficial style and signed by professors or experts in accordance with art. 4 of the Call.</p>  |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 23<sup>rd</sup> 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>  | <p>Oral examinations will take place on the following dates and time (Italian time):</p> <ul style="list-style-type: none"> <li>- <b>May 28<sup>th</sup>, 29<sup>th</sup> and 30<sup>th</sup> at 9:00 a.m.</b></li> <li>- <b>June 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> 2025 at 9:00 a.m.</b></li> <li>- <b>June 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> 2025 at 9:00 a.m.</b></li> <li>- <b>June 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> 2025 at 9:00 a.m.</b></li> </ul> <p>The oral examination procedures will be published at the same time of the publication of the results of the assessment of qualifications and research project.</p>   |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                                 | <p><a href="https://www.dems.unimib.it/en/research/phd-economics-statistics-and-data-science">https://www.dems.unimib.it/en/research/phd-economics-statistics-and-data-science</a></p>  |
| <b>Further information</b>  | <p>During the application, candidates have to select one curriculum (Economics, Statistics or Big Data &amp; Analytics for Business).</p> <p>Rankings of candidates are distinct for each curriculum.</p>   |



## Education in Contemporary Society (Cod. 120R)

|                          |  |      |  |
|--------------------------|--|------|--|
| <b>Department</b>        | Human Sciences for Education "Riccardo Massa"  |      |  |
| <b>Coordinator</b>       | Prof. Chiara Maria Bove  |      |  |
| <b>Length of program</b> | 3 years  |      |  |
| <b>Research topics</b>   | <p>The doctoral program welcomes innovative research projects on educational problems in contemporary society, with particular attention to the challenges and issues emerging from the international scientific debate. Consideration will be given to projects that explore the educational, formative, and pedagogical dimensions of the contemporary transformations and challenges occurring in formal, nonformal, and informal learning contexts, with particular attention to territorial socioeducational services and interventions, pre-school, school, training institutions, and personal health and well-being services. The research project should be consistent in theme and disciplinary areas with the lines of research present in the doctoral program, which has an interdisciplinary nature involving pedagogical, philosophical and psychological perspectives. We give as an example a list of possible areas of research:</p> <ul style="list-style-type: none"> <li>- lifelong, lifewide and lifedeeep learning;</li> <li>- education and training in post-media contexts;</li> <li>- education in childhood, adolescence, and adulthood;</li> <li>- interculturality, intersectionality, migration, gender;</li> <li>- phenomena of radicalization, violence and fundamentalism;</li> <li>- emerging and latent forms of hardship, exclusion, social injustice, educational poverty;</li> <li>- human-machine interaction and social robotics;</li> <li>- technologies, digital transition and digital mediation;</li> <li>- sustainability, environment and ecological education;</li> <li>- new forms of cultural heritage enhancement;</li> <li>- combating educational poverty and socio-cultural inequalities;</li> <li>- changes in labor and professional scenarios;</li> <li>- parenting and families in contemporary contexts;</li> <li>- emotions, education and development processes;</li> <li>- access to training and employment;</li> <li>- skill assessment and informal learning;</li> <li>- communication as a source of individual and collective well-being;</li> <li>- promotion of well-being and harmonious development of the person;</li> <li>- education for active citizenship;</li> <li>- training in the field of health and care;</li> <li>- ethical challenges related to educational action;</li> <li>- challenges for teaching and learning processes in school settings;</li> <li>- teaching strategies and learning environments.</li> </ul> |      |  |
| <b>Places available</b>  | University scholarships  | n. 6 | Of which n. 1 scholarship linked to the following research project: <i>"Intangible and tangible cultural heritage as spaces for social transformation"</i> <b>(PROG.1)</b>   |
|                          | Scholarships funded by the Department  | n. 2 | n. 2 scholarships funded by the grant Department of Excellence 2023-2027, linked to the following research project: <i>"Changes and socio-educational opportunities related to the digital transition"</i> <b>(PROG.2)</b> |
|                          | Places without scholarships  | n. 1 |  |
|                          | Total number of places available   | n. 9 |  |

|                                       |  |
|---------------------------------------|--|
| <b>Selection procedures</b>           | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of the research project</li> <li>• Oral examination (videoconference)</li> </ul>  |
| <b>Assessment of qualifications</b>   | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 3 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |
| <b>Research project</b>               | <p>During the application process, in addition to their qualifications, candidates must also upload a research project. The research project should be consistent in topic and subject areas with the lines of research of the phd.</p> <p><b>Project characteristics:</b> the project, written in Italian or English, with a maximum length of 5 pages (2000 words, bibliography not included), should consist of the following parts:</p> <ul style="list-style-type: none"> <li>- Abstract (approx. 400 characters)</li> <li>- Title</li> <li>- Theoretical background, general objectives and innovative character of the research topic with respect to the state of the art</li> <li>- Research hypothesis or questions</li> <li>- Methodology</li> <li>- Work plan over three years with an indication of the feasibility of the project in terms of prior knowledge (linguistic, methodological, bibliographical) and expected results</li> <li>- Bibliography.</li> </ul> <p><b>To access the oral examination a minimum score of 4 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p>  |
| <b>Information about examinations</b> | <p><b>Oral examination:</b> the examination will consist of a discussion of the candidate's proposed research project aimed at assessing the candidate's research aptitude and motivation as well as his or her interests in relation to the research themes of the doctoral program. The examination may be expanded to include questions pertaining to the candidate's educational and research background to date or to the topics of the research projects related to the funded positions. Candidates will be expected to demonstrate clarity of exposition, argumentative ability, theoretical and methodological knowledge. Special attention will be paid to the congruence of the candidates' proposed research interests and objectives with the research lines of the Ph.D. program.</p> <p><b>Language:</b> the oral examination will be taken in Italian or English at the candidate's choice. For candidates taking the examination in Italian, English proficiency will be tested during the oral test.</p>   |

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| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>June 6<sup>th</sup> 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p> |
| <b>Oral examinations</b>  | <p>Oral examinations will be held on <b>June 9<sup>th</sup> 2025</b> from <b>9:00 a.m.</b> and on <b>June 10<sup>th</sup> 2025</b> from <b>9:00 a.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 12<sup>th</sup> 2025</b> at <b>9:00 a.m.</b></p>  |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>   |
| <b>Contact for academic information</b>                                 | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/education-contemporary-society">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/education-contemporary-society</a></p>  |

| <b>Legal Sciences</b><br><b>(Cod. 125R)</b> |  |       |  |
|---|--|-------|--|
| <b>Department</b>                           | Law  |       |  |
| <b>Coordinator</b>                          | Prof. Antonello Tancredi   |       |  |
| <b>Length of program</b>                    | 3 years  |       |  |
| <b>Research topics</b>                      | <p>The research topics addressed under the different directions of the doctoral program in Legal Science are available at the following link:<br/> <a href="https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/legal-sciences">https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/legal-sciences</a></p> <p>There are five research topics :</p> <ol style="list-style-type: none"> <li>1. Business, Tax and Labour Law (12/GIUR-13, 12/GIUR-14, 12/GIUR-16, 06/MEDS-25)</li> <li>2. Criminal justice, fundamental rights and criminal policy (IUS/16, IUS/17, IUS/19, MED/43)</li> <li>3. Private autonomy, persons, protection: paths of history and contemporary perspectives (12/GIUR-01, 12/GIUR-12, 12/GIUR-15, 12/GIUR-16)</li> <li>4. Powers, Rights and Democracy (12/GIUR-05, 12/GIUR-07, 12/GIUR-06, 12/GIUR-11)</li> <li>5. International law, European Union law and Legal Philosophy (12/GIUR-09, 12/GIUR-10, 12/GIUR-17)</li> </ol>   |       |  |
| <b>Positions available</b>                  | University scholarships  | n. 10 |  |
|   | Total number of available positions  | n. 10 |  |
| <b>Selection procedures</b>                 | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of research project</li> <li>• Oral examination (videoconference)</li> </ul>  |       |  |
| <b>Assessment of qualifications</b>         | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 8 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |       |  |
| <b>Research project</b>                     | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project (max. 10,000 characters, Bibliography excluded).</p> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted to the oral examination</b></p>  |       |  |

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|   | <b>and will be excluded from the competition.</b>   |
| <b>Information about examinations</b>           | <p><b>Oral examination:</b> During the oral examination, the research project submitted by the candidate will be discussed and knowledge of the fundamental principles of the subjects covered by the project will be tested.</p> <p>Knowledge of a foreign language (English, French, German or Spanish) chosen by the candidate will be assessed during the oral examination.</p> <p>For those interested in International law, European Union law and Legal Philosophy, the oral examination will be taken completely in English or French, at the candidate's choice.</p> |
| <b>Results of the qualifications assessment</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>21<sup>st</sup> May 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>                        | <p>Oral examinations will take place on <b>29<sup>th</sup> May 2025</b> from 9 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examination also on <b>30<sup>th</sup> May 2025</b> from 9 am.</p>   |
| <b>Rankings</b>                                 | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>         | <a href="https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/legal-sciences">https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/legal-sciences</a>   |



**Marine Sciences, Technologies and Management**  
**Doctoral degree in associated form pursuant to art. 3 c.2 DM 226/2021**  
**affiliated with Fondazione Istituto Italiano di Tecnologia (IIT)**  
**(Cod. 110R)**

|                                     |  |      |   |
|-------------------------------------|--|------|---|
| <b>Department</b>                   | Environmental and Earth Sciences   |      |   |
| <b>Coordinator</b>                  | Prof. Paolo Galli  |      |   |
| <b>Duration</b>                     | 3 years old  |      |   |
| <b>Research Topics</b>              | <p>Information on the main research topics can be found on the following websites:</p> <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm</a></p> <p><a href="https://www.marinesciences.unimib.it/">https://www.marinesciences.unimib.it/</a></p> <p><a href="https://marhe.unimib.it/">https://marhe.unimib.it/</a></p>  |      |   |
| <b>Positions available</b>          | University scholarships  | n. 1 |   |
|                                     | Scholarships funded by the Department  | n. 1 | n. 1 scholarship funded by the grant "Departments of Excellence", linked to the following research project:<br><i>"Mapping Underwater Landscapes and active processes to Unveil Climate Impacts Across multiple Spatio-Temporal Scales"</i> <b>(PROG.1)</b>   |
|                                     | Scholarships funded by companies which have an agreement with the University   | n. 2 | n. 2 scholarships funded by Fondazione Istituto Italiano di Tecnologia, linked to the following research project:<br>1) <i>"Marine-Derived Biomaterials: Applications in Precision Agriculture and Biodegradable Food Packaging"</i> <b>(PROG.2)</b><br>2) <i>"Interactions Between Microplastics, Nanoplastics, and Marine Biota: Implications for Oceanic Health"</i> <b>(PROG.3)</b> |
|                                     | Scholarships funded by external bodies   | n. 1 | n. 1 scholarship funded by Società Poliservizi Engineering S.r.l., linked to the following research project: <i>"Optimization of Offshore Surveys for Submarine Cables: Innovative Approaches to Geohazard Assessment"</i> <b>(PROG.4)</b>  |
|                                     | Total number of available positions  | n. 5 |   |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of research project</li> <li>Oral examination (videoconference)</li> </ul>  |      |   |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Selection Board reserves the right to evaluate periods of less than 2 months if such for early return due to documented force majeure limited to COVID- 19'.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Masters Degree: max 7 points</li> </ul> |      |   |

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|   | <ul style="list-style-type: none"> <li>Students of old system degree (obtained under the laws in force prior to Ministerial Decree no. 509/1999) or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project no minimum score in the assessment of qualifications is requested</b></p>  |
| <b>Research project</b>   | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project.</p> <p><b>To access the oral examination, no minimum score in the assessment of research project is requested</b></p>  |
| <b>Information about the examination</b>                                | <p><b>Oral examination:</b> During the oral examination, the research project submitted by the candidate will be discussed.</p> <p>The oral exam involves a discussion of the research project proposed by the candidate and its relevance to the field of study identified by the doctorate.</p> <p>During the oral examination, knowledge of the English language will be tested.</p> <p>The examination may be taken in Italian or English at the candidate's choice.</p>   |
| <b>Results of the assessment of qualifications and research project</b> | <p>The outcome of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>16<sup>th</sup> May 2025</b> on the University website at:<br/> <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p> |
| <b>Oral examination calendar</b>  | <p>Oral examinations will take place on <b>19<sup>th</sup> May 2025</b> from 8.30 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>20<sup>th</sup> May 2025</b> from 8.30 am.</p>   |
| <b>Rankings</b>   | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                                 | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm</a></p>   |
| <b>Further Information</b>  | <p>All PhD candidates are required to carry out research activity at a scientific institution abroad for at least 6 months.</p>  |

## Materials Science and Nanotechnology (Cod. 116R)

|                                     |  |      |  |
|-------------------------------------|--|------|--|
| <b>Department</b>                   | Materials science  |      |  |
| <b>Coordinator</b>                  | Prof. Francesco Montalenti   |      |  |
| <b>Length of program</b>            | 3 years  |      |  |
| <b>Research topics</b>              | Information about the main research topics are available on the website:<br><a href="https://www.mater.unimib.it/it/ricerca/linee-ricerca">https://www.mater.unimib.it/it/ricerca/linee-ricerca</a>  |      |  |
| <b>Places available</b>             | University scholarships  | n. 6 |  |
|                                     | Scholarships funded by external bodies   | n. 2 | n.2 scholarships funded by CORIMAV linked to the following research projects:<br><i>"Cross-link distribution in elastomeric nanocomposites"</i><br><b>(PROG.1)</b><br><i>"Study of New Approaches to the Molecular Stabilization of the Performance of Racing Tyres"</i> <b>(PROG.2)</b> |
|                                     | Total number of places available   | n. 8 |  |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of research project</li> <li>Oral examination (videoconference)</li> </ul>  |      |  |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 5 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |      |  |
| <b>Research project</b>             | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project.</p> <p>The research project (which may include a maximum of 2 Figures and a text of 4500 characters including spaces, legends and bibliography) must be written in English or Italian, uploaded in .pdf format, and must relate to topics and methodologies relevant to Materials Science and Nanotechnology. For this purpose, it may be useful to refer to the research activities of the Department of Materials Science.</p> <p><b>To access the oral examination, a score of 3 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted to the oral</b></p>   |      |  |



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|   | <b>examination and will be excluded from the competition.</b>   |
| <b>Information about examinations</b>                                   | <p>During the oral examination, the research project submitted by the candidate will be discussed. Candidates will be assessed with respect to:</p> <ul style="list-style-type: none"> <li>(a) their specific skills related to the thesis of master (second cycle)/old system degree</li> <li>(b) their general knowledge of the disciplines relevant to the PhD in Materials Science and Nanotechnology</li> <li>(c) their knowledge of English.</li> </ul> <p>The examination may be taken in Italian or English, at the candidate's choice.</p> |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>30<sup>th</sup> May 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>                                      |
| <b>Oral examination</b>   | <p>Oral examinations will take place on <b>12<sup>th</sup> June 2025</b> from 9.30 am to 6.30 pm, <b>13<sup>th</sup> June 2025</b> from 9.30 am to 6.30 pm.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examination also on <b>16<sup>th</sup> June 2025</b> from 9.30 am to 6.30 pm.</p>   |
| <b>Rankings</b>   | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                                 | <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/materials-science-and-nanotechnology">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/materials-science-and-nanotechnology</a>   |
| <b>Further information</b>  | All doctoral students are required to carry out their research at a scientific institution abroad for at least 6 months.  |

| <b>Mathematics</b><br><b>(Cod. 131R)</b><br><b>Joint PhD course with the University of Pavia, Università Cattolica del Sacro Cuore,</b><br><b>Istituto Nazionale di Alta Matematica (INdAM) and CIAFM</b> |  |      |  |
|---|--|------|--|
| <b>Departments</b>  | <ul style="list-style-type: none"> <li>• Department of Mathematics and Applications at the University of Milano Bicocca;</li> <li>• "F. Casorati" Department of Mathematics at the University of Pavia</li> <li>• Department of Mathematics and Physics "N. Tartaglia" at the Università Cattolica del Sacro Cuore of Brescia</li> </ul>   |      |  |
| <b>Coordinator</b>  | Prof. Paola Frediani   |      |  |
| <b>Length of program</b>  | 3 years  |      |  |
| <b>Curricula</b>  | <ol style="list-style-type: none"> <li>1. Algebra and Geometry;</li> <li>2. Mathematical Analysis;</li> <li>3. Numerical Analysis and Mathematical Modelling;</li> <li>4. Mathematical Physics</li> <li>5. Probability and Statistics</li> </ol>   |      |  |
| <b>Research Topics</b>  | <p>With indications of the university Milano-Bicocca (MIB), Pavia (PV) or Cattolica of Brescia (CBS), where they are developed:</p> <ul style="list-style-type: none"> <li>• Algebra and Geometry: group theory, theory of Lie algebras and their representations (MIB, CBS); category theory (PV), algebraic geometry (PV), real and complex differential geometry (MIB, PV, CBS), symplectic geometry (MIB, CBS) and hyperbolic geometry (PV).</li> <li>• Mathematical Analysis: partial differential equations and their applications in physics, biology and engineering; control and optimization theory, nonlinear and functional analysis (MIB, PV, CBS); harmonic and geometric analysis (MIB); variational models and techniques, calculus of variations (PV).</li> <li>• Numerical Analysis and Mathematical Modelling: study of numerical methods (finite elements, isogeometric and virtual techniques) aimed at solving partial differential equations in the context of solid mechanics, fluid dynamics, interaction between fluids and structures, electromagnetism, and with focus on applications in engineering and biomathematics; constrained optimization models and methods; computer aided design, approximations of data and functions, numerical linear algebra (MIB, PV, CBS).</li> <li>• Mathematical Physics: soft matter mathematical modelling, kinetic theory, classical and quantistic field theory, complex systems (PV); fluid mechanics (PV, MIB), geometric and analytic theory of integrable systems, Frobenius manifolds, dynamical systems and mathematical methods of quantum mechanics (MIB); variational problems for beams, membranes, and liquid crystals (CBS); continuum mechanical modeling of nonlinear elastic materials and non-Newtonian fluids (CBS)".</li> <li>• Probability, Statistics and Mathematical Finance: stochastic differential equations, statistical mechanics, stochastic control theory (MIB, PV); random walks, systems with interacting particles, economical and financial applications (MIB); quantum probability, convergence of probability measures, finitely additive probability measures, bayesian statistics (PV).</li> </ul> |      |  |
| <b>Places available</b>   | University scholarships  | n. 4 |  |
|   | Scholarships funded by Institutions which have an agreement with the University  | n. 7 | n. 4 scholarships funded by the University of Pavia<br>n. 1 scholarship funded by Università Cattolica del |

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|                                     |   |       | <p>Sacro Cuore of Brescia</p> <p>n. 2 scholarships funded by Istituto Nazionale di Alta Matematica (INdAM)</p> |
|                                     | Total number of places available  | n. 11 |  |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of the research project</li> <li>• Oral examination</li> </ul>   |       |  |
| <b>Assessment of qualifications</b> | <p>1) Grade of bachelor degree: max 3 points<br/> 2) Grade of master degree (second cycle): max 7 points<br/> 2bis) Grade of old system degree (obtained under the laws in force prior to Ministerial Decree no. 509/1999) or single-cycle second level degree: max 10 points<br/> 3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points<br/> 4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points<br/> 5) Certification of joint researches and analysis: max 2 points<br/> 6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</p> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree (obtained under the laws in force prior to Ministerial Decree no. 509/1999) or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 7 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |       |  |
| <b>Research project</b>             | <p>During the application process, in addition to their qualifications, candidates must also upload a research project.</p> <p>In the research project, candidates should indicate the research topics on which they would like to work, giving reasons for their choice also based on their expertise and taking into account the curricula of the phd course.</p> <p>They should also specify in which University they preferably intend to carry out their research (Department of Mathematics and Applications at the University of Milano Bicocca or "F. Casorati" Department of Mathematics at the University of Pavia or Department of Mathematics and Physics at the Università Cattolica del Sacro Cuore of Brescia).</p> <p>The research project may be drawn up in Italian or English.</p> <p><b>To access the oral examination a minimum score of 3 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p>  |       |  |
| <b>Additional documents</b>         | <p><b>Reference letters:</b> Candidates have to upload at least one reference letter, written in a free form, in English or Italian, signed by university teachers or experts according to the procedure</p>  |       |  |

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|   | described in the art. 4, as requested.   |
| <b>Information about examinations</b>                                   | <p><b>Oral Examination:</b> The interview will concern the research project uploaded by the candidate and the topics covered by the curricula of the PhD course. Relevance of the research activity to the topics of the curricula of the course will be evaluated.</p> <p>Candidates are encouraged to prepare a presentation (no more than 15 minutes) on the topics covered in the master's thesis and more generally on their research interests, using pdf-file slides.</p> <p>Candidates can take the oral exam also in English.</p>   |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 27<sup>th</sup> 2025</b> at the University website at the following link:</p> <p><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>  | <p>Oral examinations will be held on <b>June 4<sup>th</sup> 2025</b> from <b>9:00 a.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 5<sup>th</sup>, 6<sup>th</sup> and 16<sup>th</sup> 2025</b> from <b>9:00 a.m.</b></p>  |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:</p> <p><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Important information</b>  | <p><b>PHD STUDENTS AFFILIATION</b></p> <p>The scholarships funded by the University of Milano-Bicocca will be awarded to PhD students with a membership to the Department of Mathematics and Applications of the same University.</p> <p>The scholarships funded by the University of Pavia will be awarded to PhD students with a membership to the "F. Casorati" Department of Mathematics of the same University.</p> <p>The scholarship funded by the Università Cattolica del Sacro Cuore will be awarded to the PhD student with a membership to the Department of Mathematics and Physics "N. Tartaglia" of the same University.</p> <p>The scholarships funded by INdAM are compatible with one of the three membership according with the provisions below.</p> <p><b>DETERMINATION OF THE AFFILIATION TO A DEPARTMENT</b></p> <p>At the end of the enrollments, the Academic Board of the PhD course will attribute to each PhD student the affiliation to one of the three departments involved, based upon the preference expressed in the research project, and using the ranking order as a priority criterion, until all the scholarships of one of the three Universities have been assigned. To the first winner, in descending order of the ranking list, who is unable to obtain a scholarship from his/her preferred University, an INdAM scholarship will be assigned; this candidate will be allowed to choose his/her affiliation. Once all the scholarships of one of the three Universities and the first INdAM scholarship have been attributed, the remaining winners will be assigned to one of the other two departments, irrespective of their indicated preference, and will be attributed the University scholarships first and then the second INdAM scholarship.</p> |
| <b>Further information</b>  | <p><b>RESEARCH ACTIVITY</b></p> <p>The Academic Board will assign a tutor to each PhD student, based on the research project presented for the selection process and on the information collected during the interview. The tutor will be in charge of the supervision and guidance of the initial phase of the PhD career of the student. However, the research project, the information collected during the interview and the choice of the tutor will not be strictly binding for the following and final choice of a research theme and dissertation topic by the student him/herself. The topic of the dissertation may be chosen within the research</p>  |



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|   | interests of the members of the Academic Board or, after authorization by the Board itself, of other external scholars.   |
| <b>Contact for academic information</b> | <a href="https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/mathematics">https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/mathematics</a> |

| <b>Neuroscience</b><br><b>(Cod. 122R)</b> |   |      |   |
|---|---|------|---|
| <b>Department</b>                         | Medicine and Surgery  |      |   |
| <b>Coordinator</b>                        | Prof. Rosa Moresco  |      |   |
| <b>Length of program</b>                  | 3 years   |      |   |
| <b>Curricula</b>                          | 1. Experimental Neurosciences<br>2. Clinical Neurosciences  |      |   |
| <b>Research topics</b>                    | <p>The research topics covered in the Neuroscience PhD programme are available at the following link: <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience</a></p> <p>The research topics covered by the the Academic Board of the PhD program are available at the following link: <a href="http://www.neuroscienze.medicina.unimib.it/?page_id=61">http://www.neuroscienze.medicina.unimib.it/?page_id=61</a></p>  |      |   |
| <b>Places available</b>                   | University scholarships   | n. 6 | n. 3 scholarships - curriculum 1 - Experimental Neuroscience<br>n. 3 scholarships - curriculum 1 - Clinical Neurosciences |
|   | Total number of places available  | n. 6 |   |
| <b>Selection procedures</b>               | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of research project</li> <li>Oral examination (videoconference)</li> </ul>   |      |   |
| <b>Assessment of qualifications</b>       | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluates periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 5 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |      |   |
| <b>Research project</b>                   | <p>During the registration procedure for the competition, candidates must upload not only the qualifications but also the research project.</p> <p>The research project must be written in English and must contain the following sections: state of the art, objective, methods and experimental design. Length: maximum 2 pages, excluding bibliography.</p> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted and will be excluded from</b></p>  |      |   |

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|  | <b>the competition.</b>  |
| <b>Information about the examinations</b>                            | <b>Oral examination:</b> The research project proposed by the candidate shall be discussed during the oral examination. The examination may be taken in Italian or English at the candidate's choice. During the oral examination, knowledge of the English language will be tested.   |
| <b>Results of the qualifications assessment and research project</b> | <p>The results of the qualifications assessment and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on:</p> <p>Curriculum 1 - Experimental Neurosciences: <b>26<sup>th</sup> May 2025</b></p> <p>Curriculum 2 - Clinical Neurosciences: <b>26<sup>th</sup> May 2025</b></p> <p>on the University website at the following link:</p> <p><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p> |
| <b>Oral examinations</b>   | <p>Oral examination will take place on:</p> <p>Curriculum 1 - Experimental Neurosciences: <b>28<sup>th</sup> May 2025</b> from 9:30 am.</p> <p>Curriculum 2 - Clinical Neurosciences: <b>28<sup>th</sup> May 2025</b> from 9:30 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>11<sup>th</sup> June 2025 (Curriculum 1)</b> and <b>11<sup>th</sup> June 2025 (Curriculum 2)</b> from 9:30 am.</p>   |
| <b>Rankings</b>  | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:</p> <p><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                              | <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience</a>  |
| <b>Further information</b>   | <p>Different tests and rankings are planned for the various curricula.</p> <p>Each candidate may participate in the selection for one curriculum only.</p> <p>Final thesis will have to be drawn up and discussed in English (mandatory).</p>  |

**Nursing and Midwifery**  
**Doctoral degree in agreement with**  
**Fondazione IRCSS San Gerardo dei Tintori e Università degli Studi di Milano**  
**(Cod. 133R)**

|                                     |  |      |  |
|-------------------------------------|--|------|--|
| <b>Department</b>                   | Medicine and Surgery   |      |  |
| <b>Coordinator</b>                  | Prof. Davide Ausili  |      |  |
| <b>Length of program</b>            | 3 anni   |      |  |
| <b>Research topics</b>              | <p>The PhD in Nursing and Midwifery Sciences aims to develop disciplinary, multidisciplinary and interdisciplinary skills useful for generating new knowledge, theories, methods, tools and healthcare interventions in the field of nursing and midwifery sciences. Nursing and midwifery research is applied in the field of clinical-care practice, the organization of social and health services and in training. It is aimed at the continuous improvement of nursing and midwifery care in responding to the health needs of individuals, families and communities in every environment and throughout the entire human life cycle. Some of the research lines of interest in this doctoral program are (for nursing sciences): the social determinants of self-care in the general population, self-care in chronic diseases with particular attention to cardiovascular diseases and diabetes, the perception and management of symptoms and interoception, adherence to pharmacological therapy, nursing care in the intensive care area, clinical nursing care in the elderly population with need for assistance, rehabilitation and palliative care, models of personalized care to support emerging fragilities, mutuality in the nurse and patient/caregiver relationship, nursing management and nursing education. Regarding the scientific area of obstetric sciences, the main lines of research are: physiological birth, the quality of the birth process, problems related to intrauterine fetal death, and midwifery education.</p> |      |  |
| <b>Places available</b>             | University scholarships  | n. 2 |  |
|                                     | Scholarships funded by companies which have an agreement with the University   | n. 2 | <p>n. 1 scholarship funded by Fondazione IRCSS San Gerardo dei Tintori linked to the following research project: "<i>Pediatric palliative care nursing: children and family needs during the care path and models of care</i>" <b>(PROG.1)</b></p> <p>n. 1 scholarship funded by Università degli Studi di Milano, linked to the following research project: "<i>Strategies methods and tools for promoting treatment adherence and lifestyles in the continuum of care for the elderly population with chronic diseases and polypharmacy</i>" <b>(PROG.2)</b></p> |
|                                     | Total number of places available   | n. 4 |  |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of research project</li> <li>• Oral examination (videoconference)</li> </ul>  |      |  |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> </ol>   |      |  |



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|  | <p>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points<br/>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 6 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |
| <b>Research project</b>  | <p>During the registration procedure for the competition, candidates must upload not only the titles but also the research project. The research project should be relevant with the fields of study of Nursing and Midwifery Sciences, should be written in English, have a maximum length of 1800 words (excluding abstract, bibliography, and attachments), and contain the following sections:</p> <ul style="list-style-type: none"> <li>- Title</li> <li>- Abstract</li> <li>- Introduction</li> <li>- Methods and tools</li> <li>- Expected results and conclusions</li> <li>- Bibliography</li> <li>- Appendices, if any</li> </ul> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted and will be excluded from the competition.</b></p>                     |
| <b>Information about the examinations</b>                            | <p><b>Oral examination:</b> during the oral examination, the research project presented by the candidate will be discussed. The oral test will be conducted in English and will cover aspects related to nursing and midwifery research methodology (e.g., study designs), fundamentals of public health, epidemiology and statistics, ethics in research, clinical research with special reference to nursing and midwifery roles, search skills in scientific databases, and critical reading of scientific articles.</p>  |
| <b>Results of the qualifications assessment and research project</b> | <p>The results of the evaluation of qualifications and research project, together with the breakdown of candidates into the examination days, which has the value of notification for all purposes, will be published on <b>23<sup>th</sup> May 2025</b> on the University website at:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>   | <p>Oral examination will take place on:<br/> <b>4<sup>th</sup> June 2025</b> from <b>10 am</b> to <b>4 pm</b><br/> <b>5<sup>th</sup> June 2025</b> from <b>10 am</b> to <b>4 pm</b></p>  |
| <b>Rankings</b>  | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                              | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/nursing-and-midwifery">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/nursing-and-midwifery</a></p>   |

**Physics and Astronomy**  
**Doctoral degree in agreement with Istituto Nazionale di Fisica Nucleare – INFN**  
**(Cod. 113R)**

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|--------------------------|--|------|--|
| <b>Department</b>        | "G. Occhialini" Department of Physics  |      |  |
| <b>Coordinator</b>       | Prof. Stefano Ragazzi  |      |  |
| <b>Length of program</b> | 3 years  |      |  |
| <b>Research topics</b>   | <p>A) Theoretical physics: string theory and quantum field theory, theory and phenomenology of fundamental interactions, lattice field theories and computational physics.</p> <p>B) Subnuclear physics: particle physics at the Large Hadron Collider, flavour physics, neutrino physics, astroparticles and fundamental physics in space.</p> <p>C) Astrophysics: cosmology and primordial universe, study of galaxies, high energy astrophysics, gravitational waves and their sources</p> <p>D) Plasma physics: magnetically confined plasmas, thermonuclear plasmas, laser-produced plasmas, industrial applications of plasmas.</p> <p>E) Biophysics: non-linear optical microscopy applied to biosystems, models for dynamic processes, nanoparticles for nanomedicine.</p> <p>F) Physics for medicine and physics technologies.</p> <p>G) Electronics: design and characterization of analog or mixed integrated circuits for research projects and for industry. Digital systems based on microcontrollers, FPGA and integrated circuits. Physics of devices based on semiconductors.</p> |      |  |
| <b>Places available</b>  | University scholarships  | n. 6 |  |
|                          | Scholarships funded by the Department  | n. 7 | <p>n. 1 scholarship funded by Department of Excellence 2023-2027 Project, linked to the following research project: "<i>New approaches to understanding fundamental components and interactions of nature</i>" <b>(PROG.1)</b></p> <p>n. 1 scholarship funded by Department of Excellence 2023-2027 Project, linked to the following research project: "<i>A new light on the dark components of the universe: testing dark matter with new technologies and techniques</i>" <b>(PROG.2)</b></p> <p>n. 1 scholarship funded by Department of Excellence 2023-2027 Project, linked to the following research project: "<i>A new light on the dark components of the universe: testing gravity with new technology and techniques</i>" <b>(PROG.3)</b></p> <p>n. 1 scholarship ERC "POLOCALC", linked to the following research project: "<i>Development of novel instrumentation for flying artificial calibrators for CMB polarimeters</i>" <b>(PROG.4)</b></p> <p>n.1 scholarship ERC "RES-NOVA" linked to the following research project: "<i>Development of cryogenic detectors with Archaeological Pb for the RES-NOVA Experiment</i>" <b>(PROG.5)</b></p> |

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|                                     |  |       | <p>n.1 scholarship ERC "PINGU" linked to the following research project: "<i>Developing novel tools for pulsar timing array (PTA) data analysis and inference</i>" <b>(PROG.6)</b></p> <p>n.1 scholarship ERC "PINGU" linked to the following research project: "<i>Astrophysical inference and multimessenger astrophysics with pulsar timing arrays (PTAs)</i>" <b>(PROG.7)</b></p>   |
|                                     | Scholarships funded by companies which have an agreement with the University   | n. 3  | n. 3 scholarships funded by INFN linked to the research topics among those ones indicated above (letters A-G).  |
|                                     | Scholarships funded by external bodies   | n. 2  | <p>n. 1 scholarship cofunded by Fondazione Bruno Kessler and Department of Physics, linked to the following research project:<br/>"<i>Development of a superconducting quantum sensing platform for improving fundamental physics measurements</i>" <b>(PROG.8)</b></p> <p>n. 1 scholarship funded by Fondazione Bruno Kessler, linked to the following research project:<br/>"<i>Development of nonlinear superconducting circuits for quantum sensing applications</i>" <b>(PROG.9)</b></p> |
|                                     | Total number of places available   | n. 18 |   |
| <b>Selection procedures</b>         | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of research project</li> <li>Oral examination (videoconference)</li> </ul>  |       |   |
| <b>Assessment of qualifications</b> | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |       |   |

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| <b>Research project</b>                         | <p>During the application process, in addition to their qualifications, candidates must also upload a research project, different from the abstract of the master's thesis, that will have to state the relevant research topic. The project will have to be max. 2 A4 pages, excluding bibliography, drawn up according to the following structure: title, context and purpose of the project, underlying basis of the project, methods used to carry out the project, outline of results expected from the project.</p> <p><b>To access the oral examination, a score of 4 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted to the oral examination and will be excluded from the competition.</b></p> |
| <b>Information about examination</b>            | <p>The oral examination will focus on the topics related to his own thesis and to the research project submitted by the candidate and will also test the basic knowledges related to the relevant research topics. The examinations may be taken in Italian or English, at the candidate's choice. Candidate's knowledge of English shall be tested during the oral examination.</p>   |
| <b>Additional documents</b>                     | <p><b>Recommendation letters:</b> The candidate must submit two letters of recommendation, one of which from the supervisor of his/her second cycle (master's) degree thesis, or equivalent qualification, in accordance with art. 4.</p>  |
| <b>Results of the qualifications assessment</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>5<sup>th</sup> June 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>                        | <p>Oral examinations will take place on <b>12<sup>th</sup> and 13<sup>th</sup> June 2025</b> from 8.30 am to 7 pm.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examination also on <b>16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup> June 2025</b> from 8.30 am to 6 pm.</p>  |
| <b>Rankings</b>                                 | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>         | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/physics-and-astronomy">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/physics-and-astronomy</a></p>   |

| <b>Psychology, Linguistics and Cognitive<br/>Neurosciences<br/>(Cod. 127R)</b> |   |       |   |
|--|---|-------|---|
| <b>Department</b>  | Psychology  |       |   |
| <b>Coordinator</b>   | Prof. Simona Sacchi   |       |   |
| <b>Length of program</b>   | 3 years   |       |   |
| <b>Curricula</b>   | 1. Mind, Brain and Behaviour<br>2. Social, Cognitive and Clinical Psychology  |       |   |
| <b>Research topics</b>   | Look at the website of the PhD School<br>( <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience</a> ) with details about the fields of research of the members of the Scientific Board |       |   |
| <b>Places available</b>  | University scholarships   | n. 10 | n. 5 scholarships for Mind, Brain and Behaviour curriculum<br>n. 5 scholarships for Social, Cognitive and Clinical Psychology curriculum  |
|  | Scholarships funded by the Department   | n. 3  | n. 1 scholarship for Mind, Brain and Behaviour curriculum, funded by ERC-COG-2022 BraveNew Word linked to the following research project: " <i>The acquisition of new meanings through novel word learning</i> " <b>(PROG.1)</b><br>n. 1 scholarship for Mind, Brain and Behaviour curriculum, funded by the grant "Departments of Excellence" 2023-2027, linked to the following research project: " <i>New technologies (virtual and augmented reality, mobile and wearable devices) applied to the study of the human mind and the improvement of human-machine interfaces - A</i> " <b>(PROG.2)</b><br>n. 1 scholarship for Social, Cognitive and Clinical Psychology curriculum, funded by the grant "Departments of Excellence" 2023-2027, linked to the following research project: " <i>New technologies (virtual and augmented reality, mobile and wearable devices) applied to the study of the human mind and the improvement of human-machine interfaces - B</i> " <b>(PROG. 3)</b> |
|  | Scholarships funded by external bodies  | n. 1  | n. 1 scholarship for Social, Cognitive and Clinical Psychology curriculum funded by Provincia Lombardo Veneta Ordine Ospedaliero San Giovanni di Dio Fatebenefratelli – IRCCS Centro San Giovanni di Dio Fatebenefratelli, linked to the following research project:<br><i>"YOUTHreach: Bridging Gaps in Mental Health Support. A Comprehensive European Strategy"</i> <b>(PROG. 4)</b>   |
|  | Total number of places available  | n. 14 |   |

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|---|--|
| <b>Selection procedures</b>                                     | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of research project</li> <li>• Oral examination (videoconference)</li> </ul>  |
| <b>Assessment of qualifications</b>                             | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 8 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |
| <b>Research project</b>   | <p>During the application process, in addition to their qualifications, candidates must also upload their research project, drawn up in English or Italian, in a pdf file not exceeding 2500 words, bibliography excluded, and containing up to 4 pictures or charts.</p> <p>The project should be divided into sections containing essential information on: theoretical background, research objectives, methodology, relevance (theoretical/application), bibliography.</p> <p>Further information can be found at <a href="https://psicologia.unimib.it/it/ricerca/corso-dottorato-0">https://psicologia.unimib.it/it/ricerca/corso-dottorato-0</a> (section 'Admission').</p> <p><b>To access the oral examination, a score of 3 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted to the oral examination and will be excluded from the competition.</b></p>  |
| <b>Information about examinations</b>                           | <p><b>Oral examination:</b> During the oral examination the research project related to the topics of the curriculum chosen by the candidate shall be discussed in order to assess the candidate's expertises and research skills in the scientific areas of the PhD program.</p> <p><b>Language:</b> Knowledge of English will be tested by oral examination.</p>   |
| <b>Results of the qualifications assessment</b>                 | <p>The results of the qualifications assessment, curricula 1 and 2, together with a breakdown of candidates in the examination days that has notification value for all legal purpose, will be published on <b>5<sup>th</sup> June 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>   |
| <b>Oral examinations Curriculum 1 Mind, Brain and Behaviour</b> | <p>Oral examinations will take place on the following days:</p> <ul style="list-style-type: none"> <li>- <b>9<sup>th</sup> June 2025</b> from 9.30 am to 6 pm</li> <li>- <b>10<sup>th</sup> June 2025</b> from 9.30 am to 6 pm</li> </ul> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>11<sup>th</sup> June 2025</b> from 9.30 am to 6 pm.</p>  |

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| <b>Oral examinations Curriculum 2 Social, Cognitive and Clinical Psychology</b> | <p>Oral examinations will take place on the following days:</p> <ul style="list-style-type: none"> <li>- <b>16<sup>th</sup> June 2025</b> from 11 am to 6 pm</li> <li>- <b>18<sup>th</sup> June 2025</b> from 11 am to 6 pm</li> </ul> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>19<sup>th</sup> June 2025</b> from 11 am to 6 pm.</p>                       |
| <b>Rankings</b>   | <p>Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a> </p> |
| <b>Contact for academic information</b>   | <p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience</a></p>   |
| <b>Further information</b>  | <p>Further information can be found at the link: <a href="https://psicologia.unimib.it/it/ricerca/corso-dottorato-0">https://psicologia.unimib.it/it/ricerca/corso-dottorato-0</a> .</p> <p>Different tests and rankings are planned for the various curricula.<br/> Each candidate may participate in the selection for one curriculum only. Final thesis will have to be drawn up and discussed in English (mandatory).</p>                                      |

| Public Health Epidemiology, Statistics and Economics<br>(Cod. 129R) |  |      |   |
|---|--|------|---|
| Department  | Medicine and Surgery   |      |   |
| Coordinator   | Prof. Lorenzo Mantovani  |      |   |
| Length of program   | 3 years  |      |   |
| Research topics   | Public Health, Epidemiology, Biostatistics, Health Economics   |      |   |
| Places available  | University scholarships  | n. 4 |   |
|   | Scholarships funded by the Department  | n. 3 | <p>n. 2 scholarships funded by Department of Medicine and Surgery linked to the following research project:<br/><i>"Development and empirical application of models to estimate dynamics of healthcare demand, use and cost, with focus on innovative drugs, medical technologies and devices"</i> <b>(PROG.1)</b></p> <p>n. 1 scholarship funded by Department of Medicine and Surgery linked to the following research project:<br/><i>"Biomarkers and therapies in cholestatic liver diseases"</i> <b>(PROG.2)</b></p> |
|   | Total number of places available   | n. 7 |   |
| Selection procedures  | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of the research project</li> <li>Oral examination (videoconference)</li> </ul>  |      |   |
| Assessment of qualifications  | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 7 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |      |   |



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| <b>Research project</b>   | <p>During the application process, in addition to their qualifications, candidates must also upload a research project, drawn up in English, on the phd topics indicated in the section "Research topics" of this sheet and of maximum 2 pages.</p> <p><b>To access the oral examination a minimum score of 4 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p>   |
| <b>Information about examinations</b>                                   | <p><b>Oral examination:</b> During the oral examination the research project uploaded by the candidate will be discussed. The oral examination will be taken in Italian or English. During the oral examination candidates will have to present and discuss: (a) their educational and research background to date; (b) their own research project. The congruence of skills, study interests, and research objectives with the research themes of the doctoral program will be assessed.</p>                  |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 30<sup>th</sup> 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p> |
| <b>Oral examinations</b>  | <p>Oral examinations will be held on <b>June 10<sup>th</sup> 2025</b> from <b>9:30 a.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 11<sup>th</sup> 2025</b> from <b>9:30 a.m.</b></p>  |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>   |
| <b>Contact for academic information</b>                                 | <p><a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/public-health-epidemiology-statistics-and-economics">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/public-health-epidemiology-statistics-and-economics</a></p> <p>The teaching of the programme is taught in English.</p>  |

**Molecular and Translational Medicine – DIMET**  
(Cod. 121R)

|                             |  |       |  |
|-----------------------------|--|-------|--|
| <b>Department</b>           | Medicine and Surgery   |       |  |
| <b>Coordinator</b>          | Prof. Francesco Mantegazza   |       |  |
| <b>Length of program</b>    | 3 years  |       |  |
| <b>Research topics</b>      | Clinical and Regenerative Medicine, Technological Platforms, Nanomedicine and Diagnosis, Neurodegenerative and muscular disorders, Oncological Hematological Disorders, Cardiovascular and Pulmonary Disorders, Immunological and Infective Disorders, Cellular and Molecular Mechanisms |       |  |
| <b>Places available</b>     | University scholarships  | n. 5  |  |
|                             | Scholarships funded by the Department  | n. 1  | n. 1 scholarship funded by Department of Medicine and Surgery, linked to the following research project: <i>"Targeting the dysregulated metabolic program in acute leukemias"</i> <b>(PROG.1)</b>  |
|                             | Scholarships funded by external bodies   | n. 7  | <p>n. 2 scholarships funded by Fondazione IRCCS Istituto Neurologico "Carlo Besta", linked to the following research projects:</p> <p>1) <i>"Generation of 2D and 3D cellular models to elucidate pathological phenotypes associated with a single large deletion of mtDNA"</i> <b>(PROG.2)</b></p> <p>2) <i>"Dual CAR-T Cells Targeting Tumor cells and Immune Microenvironment in Glioblastoma"</i> <b>(PROG.3)</b></p> <p>n. 5 scholarships funded by Fondazione M. Tettamanti N. De Marchi – ONLUS, linked to the following research projects:</p> <p>1) <i>"Exploiting machine learning to identify patterns associated with drug-resistant graft versus host disease"</i> <b>(PROG.4)</b></p> <p>2) <i>"PAX5 rearrangements in pediatric acute lymphoblastic leukemia: from signaling to targeting and metabolism"</i> <b>(PROG.5)</b></p> <p>3) <i>"Potentiate armored chimeric antigen receptor (CAR)-T cells to circumvent pediatric acute myeloid leukemia (AML) niche barriers."</i> <b>(PROG.6)</b></p> <p>4) <i>"Functional dissection of the role of cohesin genes variants in the genetic predisposition to pediatric acute lymphoblastic leukemia"</i> <b>(PROG.7)</b></p> <p>5) <i>"Next Generation Sequencing Profiling and Minimal Residual Disease Assessment in T-Cell Lymphomas"</i> <b>(PROG.8)</b></p> |
|                             | Total number of places available   | n. 13 |  |
| <b>Selection procedures</b> | <ul style="list-style-type: none"> <li>• Assessment of qualifications and publications</li> <li>• Assessment of the research project</li> <li>• Oral examination (videoconference)</li> </ul>  |       |  |

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|---|--|
| <b>Assessment of qualifications</b>                                     | <ol style="list-style-type: none"> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>• Students of Master grade (second cycle): max 7 points</li> <li>• Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 6 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |
| <b>Research project</b>   | <p>During the application process, in addition to their qualifications, candidates must also upload a research project.</p> <p>The research project must be consistent in topic and subject areas with the DIMET research areas, it has to be drawn up in English, achievable in three years of the phd student's research, with a maximum length of 1,000 words (excluding spaces and references), structured as follows:</p> <p>Research Topic; Project's Title; State of art (Max 300 words); Objectives (Max 200 words); Methods and feasibility (Max 300 words); Impacts of the project and expected results (Max 200 words); References (max 15).</p> <p><b>To access the oral examination a minimum score of 3 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p>   |
| <b>Information about the examinations</b>                               | <p><b>Oral examination:</b> During the oral examination the research project uploaded by the candidates will be discussed in order to assess the candidate's research skills and motivations, as well as to evaluate her/his interest in the DIMET PhD program.</p> <p>The oral examination will be taken in Italian and English.</p> <p>The oral examination can also consist of questions regarding the research areas of the PhD programme or the research project funded.</p>  |
| <b>Results of the assessment of qualifications and research project</b> | <p>The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 26<sup>th</sup> 2025</b> on the University website at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a></p>  |
| <b>Oral examinations</b>  | <p>Oral examinations will take place on <b>June 17<sup>th</sup> 2025</b> from <b>9:00 a.m.</b></p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>June 18<sup>th</sup> and 19<sup>th</sup> 2025</b> from <b>9:00 a.m.</b></p>   |
| <b>Rankings</b>   | <p>Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.</p> <p>Rankings will be published at the following link:<br/> <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a></p>  |
| <b>Contact for academic information</b>                                 | <p><a href="https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/translational-and-molecular-medicine-%E2%80%93-dimet">https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/translational-and-molecular-medicine-%E2%80%93-dimet</a></p>   |



| <b>URBEUR-Urban Studies</b><br><b>(Cod. 126R)</b> |  |      |  |
|---|--|------|--|
| <b>Department</b>                                 | Sociology and Social Research  |      |  |
| <b>Coordinator</b>                                | Prof. Matteo Colleoni  |      |  |
| <b>Length of program</b>                          | 3 years  |      |  |
| <b>Research topics</b>                            | <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbeur-%E2%80%93-urban-studies">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbeur-%E2%80%93-urban-studies</a>  |      |  |
| <b>Places available</b>                           | University scholarships  | n. 6 |  |
|   | Total number of places available   | n. 6 |  |
| <b>Selection procedures</b>                       | <ul style="list-style-type: none"> <li>Assessment of qualifications and publications</li> <li>Assessment of research project</li> <li>Oral examination (videoconference)</li> </ul>  |      |  |
| <b>Assessment of qualifications</b>               | <ol style="list-style-type: none"> <li>Grade of bachelor degree: max 3 points</li> <li>Grade of master degree (second cycle): max 7 points</li> <li>Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>Certification of joint researches and analysis: max 2 points</li> <li>Certification of training periods and/or research periods abroad of at least two months: max 2 points</li> </ol> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> </ul> <p><b>To access the assessment of research project a minimum score of 5 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.</b></p> |      |  |
| <b>Research project</b>                           | <p>During the application process, in addition to their qualifications, candidates must also upload their research project drawn up in English (max. 4000 words) according to the following structure:</p> <ul style="list-style-type: none"> <li>theoretical framework</li> <li>research hypothesis</li> <li>methodology</li> </ul> <p><b>To access the oral examination, a score of 2 or higher must be obtained in the project assessment, otherwise the candidate will not be admitted to the oral examination and will be excluded from the competition.</b></p>  |      |  |
| <b>Information about examinations</b>             | <p>The research project proposed by the candidate shall be discussed during the oral examination. The examinations shall be held in English.</p>   |      |  |
| <b>Results of the qualifications</b>              | <p>The results of the qualifications assessment, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on</p>  |      |  |



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NextGenerationEU



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| <b>assessment</b>                       | <b>16<sup>th</sup> May 2025</b> on the University website at the following link:<br><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a>  |
| <b>Oral examinations</b>                | Oral examinations will take place on <b>19<sup>th</sup> May 2025</b> from 9 am to 7 pm.<br>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on <b>20<sup>th</sup> May 2025</b> from 9 am to 7 pm.  |
| <b>Rankings</b>                         | Only candidates with a total score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.<br>Rankings will be published at the following link:<br><a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings</a> |
| <b>Contact for academic information</b> | <a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbeur-%E2%80%93-urban-studies">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbeur-%E2%80%93-urban-studies</a>  |