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## Cultural and Social Anthropology

(Cod. 119R)

<b>Department</b>	"Riccardo Massa" Human Sciences for Education Department		
<b>Coordinator</b>	Prof.ssa 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>	PNRR Scholarships – Ecosystems of Innovation (MUSA)  CUP: H43C22000550001	n. 1	n. 1 scholarship linked to the following research project: " <i>Bicocca Cultural District: Participatory activities as a strategy for the dissemination and promotion of sustainability</i> " <b>(ANTRO.1)</b>
	Total number of places available	n. 1	
For further information about the research project see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		
<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 (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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>		
<b>Information about the examination</b>	<ul style="list-style-type: none"> <li>• <b>Languages:</b> The exam consists of an oral interview, carried out either in Italian or English at the candidate's choice.</li> </ul>		



	<p>The selection committee will test the English proficiency of candidates that have chosen Italian for the interview.</p> <ul style="list-style-type: none"> <li>• <b>Research project:</b> The interview discusses the research project of the candidate. During the application process, in addition to their qualifications, candidates must upload their research project (max. 6 pages, line spacing 1, included bibliography) drawn up according to the following structure: 1. Summary; 2. General objectives and innovativeness of the research topic compared to the state of the art; 3. Work plan over three years; 4 Feasibility of the project in terms of prior knowledge (linguistic, ethnographic, bibliographic), institutional contacts, relationships that can facilitate the research; 5) bibliography.</li> </ul> <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> <p><b>Candidate is invited to upload a project consistent with the topics chosen.</b></p>
<p><b>Results of the qualifications assessment</b></p>	<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 <b>8 November 2022</b> on the University website at the following link:  <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>
<p><b>Examination dates</b></p>	<p>Oral examination: <b>10 November 2022 from 8.00 am</b></p> <p>The oral examinations will go on 11 November at 8.00 am, if necessary.</p>
<p><b>Rankings</b></p>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<p><b>Contact for academic information</b></p>	<p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/cultural-and-social-anthropology">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/cultural-and-social-anthropology</a></p>



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

<b>Department</b>	Business and Law		
<b>Coordinator</b>	Prof.ssa Paola Bongini		
<b>Length of program</b>	3 years		
<b>Curricula</b>	1. Management of institutions and international organizations 2. Strategic management of innovation in companies and no-profit organizations		
<b>Research topics</b>	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		
<b>Places available</b>	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP: H43C22000550001	n. 3	n. 1 scholarship curriculum Strategic management of innovation in companies and no-profit organizations, linked to the following research project: <i>"Evaluation and validation of innovative business models and services for a sustainable, safe and inclusive mobility"</i> <b>(B4S.1)</b>  n. 1 scholarship curriculum Strategic management of innovation in companies and no-profit organizations, linked to the following research project: <i>"The financing of innovative start-ups"</i> <b>(B4S.2)</b>  n. 1 scholarship curriculum Strategic management of innovation in companies and no-profit organizations, linked to the following research project: <i>"The management of university-industry R&amp;D projects"</i> <b>(B4S.3)</b>
	Total number of places available	n. 3	
For further information about the research projects see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + research project + oral examination (videoconference)		
<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 (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 oral examination a minimum score of 5 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</b></p>
<p><b>Information about examination</b></p>	<ul style="list-style-type: none"> <li>• <b>Languages:</b> The oral exam will be conducted in English.</li> <li>• <b>Oral examination:</b> During the oral exam candidates will have to present and discuss: (a) the training and research path undertaken so far; (b) their research project. For the evaluation of the discussion the following aspects will be considered: 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.</li> <li>• <b>Research project:</b> For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project, drawn up in English of maximum 5 pages. <b>Candidate is invited to upload a project consistent with the topics chosen.</b></li> </ul>
<p><b>Results of the qualifications assessment</b></p>	<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 <b>7 November 2022</b> on the University website at the following link: <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>
<p><b>Examination dates</b></p>	<p>Oral examinations: <b>8 November 2022 from 9.00 am</b></p> <p>The oral examinations will go on 9 November, if necessary.</p>
<p><b>Rankings</b></p>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<p><b>Contact for academic information</b></p>	<p><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></p>



<b>Economics, Statistics and Data Science</b> <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 2. Statistics 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:  <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>	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP: H43C22000550001	n. 3	n. 1 scholarship curriculum Statistics, linked to the following research project,: " <i>Statistical methodologies for the development of green and eco-sustainable cosmetic products from marine environmental DNA</i> " <b>(ECOSTATDATA.1)</b>  n. 1 scholarship curriculum Statistics, linked to the following research project: " <i>Sustainable finance and ESG factors</i> " <b>(ECOSTATDATA.2)</b>  n. 1 scholarship curriculum Big Data & Analytics for Business, linked to the following research project: " <i>Entrepreneurial training, innovation models, and start-up performance</i> " <b>(ECOSTATDATA.3)</b>
	PNRR Scholarships – Extended Partnership 8 – Consequences and challenges of ageing CUP: H43C22000840006	n. 1	n. 1 scholarship curriculum Big Data & Analytics for Business, linked to the following research project: " <i>Study and Definition of novel Real-time analytics techniques on the ageing society through AI and Big data</i> " <b>(ECOSTATDATA.4)</b>
	Total number of places available	n. 4	
For further information about the research project see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral exam (videoconference)		



	The candidate must submit <b>two reference letters</b> written in an unofficial style and signed by professors or experts in accordance with art. 4.
<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 (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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>
<b>Information about examination</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The oral exam will be held in English</li> <li>• <b>Oral examination:</b> the oral examination entails a discussion of the research project uploaded by the candidate and of his/her entry skills.</li> <li>• <b>Research Project:</b> During the application process, in addition to their qualifications, candidates must also upload their research project.</li> </ul> <p><b>Candidate is invited to upload a project consistent with the topics chosen.</b></p>
<b>Results of the qualifications assessment</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 <b>7 November 2022</b> on the University website at the following link:  <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>Examination dates</b>	<p>Oral examination: <b>10 November 2022 from 9.00 am</b></p> <p>The oral examinations will go on 11 November and 14 November from 2.30 pm, if necessary.</p>
<b>Rankings</b>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<b>Contact for academic information</b>	<p><a href="https://www.dems.unimib.it/en/research/phd-programme">https://www.dems.unimib.it/en/research/phd-programme</a></p>
<b>Further information</b>	<p>Candidates may also choose scholarships of different curricula.</p>





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

<b>Department</b>	Human Sciences for Education "Riccardo Massa"		
<b>Coordinator</b>	Prof. Francesca Antonacci		
<b>Length of program</b>	3 years		
<b>Research topics</b>	<p>In the course of the Ph.D programme, students will carry out research projects – which may be: experimental, quantitative, qualitative, theoretical, historical, comparative, participatory, etc. – centred on significant problems in the field of education in contemporary society.</p> <p>Consideration will be given to research proposals tackling the educational and pedagogical dimensions of contemporary transformations/challenges in formal, non-formal and informal learning contexts, with particular attention to territorial socio-educational services, pre-school and school educational services, issues related to migration processes and intercultural educational policies, transformations of work and changes in the phases and transitions of life paths.</p> <p>The following topics, which reflect the expertise and research interests of the Department, can serve as an example of the topics that can be addressed:</p> <ul style="list-style-type: none"> <li>- intercultural challenges and migrations</li> <li>- dissemination and use of digitally mediated technologies;</li> <li>- sustainability, environment and ecological education;</li> <li>- new approaches to the promotion and valorization of cultural heritage;</li> <li>- the fight against educational poverty and socio-cultural inequalities;</li> <li>- changes in work and professional settings;</li> <li>- phenomena of radicalisation, violence and fundamentalism;</li> <li>- emerging and latent forms of exclusion, social injustice, educational poverty</li> <li>- work with families and support for parenting</li> <li>- learning through all phases of life;</li> <li>- lifelong, lifewide and lifedep learning;</li> <li>- access to training and work;</li> <li>- recognition of skills and informal learning;</li> <li>- communication as a source of individual and collective well-being;</li> <li>- promotion of well-being and the harmonious development of individuals;</li> <li>- education to active citizenship;</li> <li>- training in health and care;</li> <li>- ethical challenges related to education;</li> <li>- challenges to teaching and learning processes in school contexts;</li> <li>- teaching strategies and learning environments.</li> </ul>		
<b>Places available</b>	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP:H43C22000550001	n. 2	<p>n.1 scholarship linked to the following research project: <i>"Bicocca Cultural District: Participatory activities as a strategy for the dissemination and promotion of sustainability"</i> <b>(EDU.1)</b></p> <p>n.1 scholarship linked to the following research project: <i>"Cartographic Representation and Wayfinding. A research project on the usability of cartographic representations for inclusive and sustainable mobility"</i> <b>(EDU.2)</b></p>
	PNRR Scholarships – Extended Partnerships 8 – Consequences and challenges of ageing CUP: H43C22000840006	n.1	n. 1 scholarship linked to the following research project: <i>"Challenges of transformation: tracking the ongoing changes in the territorial system of health, social and educational care for the elderly people. A qualitative bottom-up approach."</i> <b>(EDU.3)</b>
	Total number of places available	n. 3	





For further information about the research project see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>	
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)
<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 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.</li> </ol> <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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>
<b>Information about examinations</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> the oral examination in videoconference, will be partially in English to test the candidate's linguistic ability</li> <li>• <b>Oral examination:</b> the oral examination entails a discussion of the research project uploaded by the candidate and its pertinence with the research area defined by this PhD.</li> <li>• <b>Research project:</b> during application the candidate must upload, besides the other documents, a research project, in Italian or in English. The <u>research project</u> must be coherent with the themes and disciplines represented in the Board. To this end, it is advisable to consult the website and staff web pages. Features of the project: length 8.000-10.000 characters (spaces included, references excluded), structured as follows: <ul style="list-style-type: none"> <li>- Abstract (about 400 characters)</li> <li>- Project: Title, theoretical background, objectives/hypotheses or research questions, methodology, expected results.</li> <li>- Bibliography</li> </ul> </li> </ul> <p><b>Candidate is invited to upload a project consistent with the topics chosen.</b></p>
<b>Results of the qualifications assessment</b>	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 <b>8 November 2022</b> on the University website at the following link: <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>
<b>Examination dates</b>	Oral examination: <b>10 November 2022 at 2.00 pm</b> If necessary, the oral examinations will go the following days
<b>Rankings</b>	Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a>
<b>Contact for academic information</b>	<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>
<b>Further information</b>	In the evaluation of qualifications (item 3), only scientific papers in peer-reviewed journals, books or conferences will be considered.



<b>Physics and Astronomy</b> <b>(Cod. 113R)</b>			
<b>Department</b>	"G. Occhialini" Department of Physics		
<b>Coordinator</b>	Prof. Stefano Ragazzi		
<b>Length of program</b>	3 years		
<b>Curricula</b>	1. Theoretical physics 2. Subnuclear physics 3. Astrophysics 4. Plasma physics and biophysics 5. Applied Physics and Electronics 6. Mathematical aspects of string theory		
<b>Research topics</b>	A) Theoretical physics: string theory and quantum field theory, theory and phenomenology of fundamental interactions, lattice field theories and computational physics. B) Subnuclear physics: particle physics at the Large Hadron Collider, flavour physics, neutrino physics, astroparticles and fundamental physics in space. C) Astrophysics: cosmology and primordial universe, study of galaxies, high energy astrophysics, gravitational waves and their sources D) Plasma physics: magnetically confined plasmas, thermonuclear plasmas, laser-produced plasmas, industrial applications of plasmas. E) Biophysics: non-linear optical microscopy applied to biosystems, models for dynamic processes, nanoparticles for nanomedicine. F) Physics for medicine and physics technologies. 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.		
<b>Places available</b>	PNRR Scholarships - HPC National Center CUP: H43C22000520001	n. 4	n. 1 scholarship – curriculum Subnuclear physics, linked to the following research project: <i>"Development of a complete quantum computing platform based on superconducting circuits"</i> <b>(FIS.1)</b>  n. 1 scholarship – curriculum Subnuclear physics, linked to the following research project: <i>"Development of advanced tools for the analysis of data at current and future LHC experiments"</i> <b>(FIS.2)</b>  n. 1 scholarship – curriculum Theoretical physics, linked to the following research project: <i>"Algorithms for Monte Carlo simulations of Quantum Chromodynamics"</i> <b>(FIS.3)</b>  n. 1 scholarship – curriculum Astrophysics, linked to the following research project: <i>"The full potential of gravitational-wave astronomy"</i> <b>(FIS.4)</b>
	PNRR Scholarships - Ecosystems of Innovation (MUSA) CUP H43C22000550001	n. 6	n. 1 scholarship - curriculum Plasma physics and biophysics, linked to the following research project: <i>"Finest high quality natural and synthetic polymer substrates and fibers innovative plasma treatments for fashion"</i> <b>(FIS.5)</b>  n. 4 scholarships - curriculum Applied Physics and Electronics, linked to the following research project:



			<p><i>"Design, characterization and modeling of devices and circuits for next generation industrial applications"</i> <b>(FIS.6, FIS.7, FIS.8, FIS.9)</b></p> <p>n. 1 scholarship - curriculum Applied Physics and Electronics, linked to the following research project: <i>"Advanced analysis of multi-satellite data using Artificial Intelligence tools"</i> <b>(FIS.10)</b></p>
	Scholarships funded by external bodies (PNRR project partner)	n. 2	<p>n.1 scholarship funded by Thales Alenia Space Italia Spa – curriculum Applied Physics and Electronics, linked to the following research project: <i>"Edge Computing and Quantum Key Distribution on space satellites or lunar infrastructures"</i> <b>(FIS.11)</b></p> <p>n.1 scholarship funded by ENI S.p.A, linked to the following research project: <i>"Development of a diagnostic system for neutron spectroscopy for the high magnetic field fusion reactor SPARC"</i> <b>(FIS.12)</b></p>
	Total number of places available	n. 12	
<p>For further information about the research projects, see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a></p>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		
<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 (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 oral examination a minimum score of 3 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</b></p>		
<b>Information about examination</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The examinations may be taken in Italian or English, at the candidate's discretion. Candidate's knowledge of English shall be tested during the oral examination.</li> <li>• The <b>oral examination</b> 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. For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project</li> <li>• The <b>Research project</b> will have to state the relevant research topic among those ones indicated above (letters A-G). The project will have to be max. 2 A4 pages, excluding bibliography, drawn</li> </ul>		



	<p>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. The research project uploaded during the application will not be binding for the choice of the final thesis topic if the candidate is admitted to the course.</p> <p>Candidate is invited to upload a project consistent with the topics chosen.</p> <ul style="list-style-type: none"> <li>• <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.</li> </ul>
<b>Results of the qualifications assessment</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 <b>7 November 2022</b> on the University website at the following link: <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>Examination dates</b>	<p>Oral examination: <b>9 November 2022 at 9:00 am.</b> The oral examinations will go on 10, 11, 14 November, if necessary.</p>
<b>Rankings</b>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<b>Contact for academic information</b>	<p><a href="https://www.fisica.unimib.it/it/didattica/dottorato/attivita%3%A0-didattica-dottorato">https://www.fisica.unimib.it/it/didattica/dottorato/attivita%3%A0-didattica-dottorato</a></p>
<b>Further information</b>	<p>Candidate may also choose scholarships related to different curricula</p>



## Computer Science

(Cod. 114R)

<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>	PNRR Scholarships – National Centre for Mobility CUP: H43C22000510001	n. 1	n. 1 scholarship linked to the following research project: <i>"Computer Science models and techniques for Mobility-as-a-Service"</i> <b>(INFO.1)</b>
	PNRR Scholarships – National Centre HPC CUP: H43C22000520001	n. 2	n. 2 scholarships linked to the following research project: <i>"Design, validation and analysis of models and software for Smart Cities and the Digital Society"</i> <b>(INFO.2, INFO.3)</b>
	Total number of places available	n. 3	
For further information about the research project see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		
<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 (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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>		



<p><b>Information about the examination</b></p>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The examinations will be in English.</li> <li>• <b>Research project:</b> The research project proposed by the candidate shall be discussed during the oral examination. For this purpose, 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. The topic of the proposal must concern with the Computer Science.</li> </ul> <p><b>Candidate is invited to upload a project consistent with the topics chosen.</b></p> <ul style="list-style-type: none"> <li>• <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.</li> </ul>
<p><b>Results of the qualifications assessment</b></p>	<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 <b>8 November 2022</b> on the University website at the following link: <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>
<p><b>Examination dates</b></p>	<p>Oral examination: <b>10 November 2022 from 9.00 am</b></p> <p>The oral examinations will go on 11 and 14 November 2022, if necessary.</p>
<p><b>Rankings</b></p>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<p><b>Contact for academic information</b></p>	<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>



**Neuroscience**  
**(Cod. 122R)**

<b>Department</b>	Medicine and Surgery		
<b>Coordinator</b>	Prof. Rosa Moresco		
<b>Length of program</b>	3 years		
<b>Curricula</b>	Experimental Neurosciences and Clinical Neurosciences		
<b>Research topics</b>	<p>The research topics covered in the Neuroscience PhD programme are available at the following link: <a href="http://www.neuroscienze.medicina.unimib.it/?page_id=1555">http://www.neuroscienze.medicina.unimib.it/?page_id=1555</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>	PNRR Scholarships – Extended Partnerships 8 – Consequences and challenges of ageing  CUP: H43C22000840006	n. 1	n. 1 scholarship - curriculum Clinical Neuroscience, linked to the following research project: <i>"Early diagnosis of cognitive impairment in older subjects to promote preventive multicomponent interventions"</i> <b>(NEURO.1)</b>
	PNRR Scholarships – Extended Partnership 10 Models for sustainable nutrition  CUP: H43C22000820001	n. 1	n. 1 scholarship - curriculum Experimental Neuroscience, linked to the following research project: <i>"Nutrition interventions in aging: study of phyto-compounds antioxidant and anti-inflammatory properties."</i> <b>(NEURO.2)</b>
	Total number of available positions	n. 2	
For further information about the research project see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	<p>Assessment of qualifications and publications + oral examination (videoconference).</p> <p>During the oral examination the research project shall be discussed in order to assess the candidate's previous expertises, research skills and motivations, as well as her/his interest in the PhD program.</p>		
<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 evaluates periods less than 2 months only if the early come back</p>		





	<p>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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>
<b>Information about the examinations</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The examinations may be taken in Italian or English, at the candidate's discretion, except for Neuroscience International Track curriculum. For this one the examination is to be taken only in English. Knowledge of English will be tested by oral examination and submission of any certification.</li> <li>• <b>Research project:</b> The research project proposed by the candidate shall be discussed during the oral examination. For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project, whose theme and subject areas shall be consistent with the composition of the Academic Board, the directions of the PhD research and its technological equipments (see also <a href="http://www.neuroscienze.medicina.unimib.it">http://www.neuroscienze.medicina.unimib.it</a>). The project shall furthermore be drawn up in English according to the following structure and not exceed 1000 words in length, (excluding references): 1) background, 2) objectives, 3) research method, 4) expected results, 5) bibliography.</li> </ul> <p><b>Candidate is invited to upload a project consistent with the topics chosen.</b></p>
<b>Results of the qualifications assessment</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 <b>4 November 2022</b> on the University website at the following link: <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>Examination dates</b>	<p>Oral examination: <b>9 November 2022 at 10.00 am</b></p> <p>If necessary, the oral examinations will go the following days</p>
<b>Rankings</b>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<b>Contact for academic information</b>	<p><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> e-mail: <a href="mailto:dottorato.neuroscienze@unimib.it">dottorato.neuroscienze@unimib.it</a></p>
<b>Further information</b>	<p>Candidates may also choose scholarships of different curricula.</p>



## Psychology, Linguistics and Cognitive Neurosciences

(Code 127R)

<b>Department</b>	Psychology		
<b>Coordinator</b>	Prof. Marco Perugini		
<b>Length of program</b>	3 years		
<b>Curricula</b>	<ol style="list-style-type: none"> <li>1. Mind, brain and behaviour</li> <li>2. Social, cognitive and clinical psychology</li> <li>3. Experimental and Applied psychology</li> </ol>		
<b>Research topics</b>	Look at the website of the PhD School ( <a href="https://en.unimib.it/education/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience">https://en.unimib.it/education/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>	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP: H43C22000550001	n. 3	<p>n. 1 scholarship Curriculum Mind, brain and behaviour linked to the following research project: "Safe, smart, intermodal, and sustainable mobility: Cognitive and motivational aspects" <b>(PSICO.1)</b></p> <p>n. 1 scholarship Curriculum Mind, brain and behaviour linked to the following research project: "<i>Human factors and new technologies</i>" <b>(PSICO.2)</b></p> <p>n. 1 scholarship Curriculum Social, cognitive and clinical psychology linked to the following research project: "<i>Development of Human-mind inspired apps for the study and improvement of workers' safety and wellbeing.</i>" <b>(PSICO.3)</b></p>
	PNRR Scholarships – Extended Partnership 8 – Consequences and challenges of ageing CUP: H43C22000840006	n. 1	n. 1 scholarship Curriculum Mind, brain and behaviour linked to the following research project: " <i>Active aging and cognitive decline prevention by developing personalized cognitive stimulation interventions</i> " <b>(PSICO.4)</b>
	PNRR Scholarships – Extended Partnership 10 Models for sustainable nutrition CUP: H43C22000820001	n. 2	<p>n. 1 scholarship Curriculum Mind, brain and behaviour linked to the following research project: "<i>Promote sustainable eating through psychosocial digital interventions</i>" <b>(PSICO.5)</b></p> <p>n. 1 scholarship Curriculum Social, cognitive and clinical psychology linked to the following research project: "<i>Promote sustainable eating through psychosocial digital interventions</i>" <b>(PSICO.6)</b></p>
	Total number of places available	n. 6	
For further information about the research projects, see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		



<p><b>Assessment of qualifications</b></p>	<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>The candidates interested to the joint curriculum with Surrey n. 3, will have to submit all the documentation in English.</p> <p><b>To access the oral examination a minimum score of 5 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</b></p>
<p><b>Information about examinations</b></p>	<ul style="list-style-type: none"> <li>• <b>Language:</b> Knowledge of English will be tested by oral examination.</li> <li>• <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.</li> <li>• <b>Research project:</b> For this purpose, 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. Candidate is invited to upload a project consistent with the topics chosen. The research project uploaded during the application is an item for evaluating the candidate's skills and will not be binding for the choice of the PhD research if the candidate is admitted to the course.</li> </ul>
<p><b>Results of the qualifications assessment</b></p>	<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 <b>7 November 2022</b> on the University website at the following link: <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>
<p><b>Examination dates</b></p>	<p>Oral examination: <b>9 November 2022 (from 9.30 am)</b></p> <p>The oral examinations will go on 10 November (from 2.30 pm) and following days if necessary.</p>
<p><b>Rankings</b></p>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<p><b>Contact for academic information</b></p>	<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>
<p><b>Further information</b></p>	<p>Candidate may also choose scholarships related to different curricula</p>



## Public Health

(Code 115R)

<b>Department</b>	Medicine and Surgery		
<b>Coordinator</b>	Prof. Guido Grassi		
<b>Length of program</b>	3 years		
<b>Curricula</b>	<ol style="list-style-type: none"> <li>1. Biostatistics and Epidemiology</li> <li>2. Clinical pathophysiology and disease prevention</li> <li>3. Health Services Research and Technology Assessment</li> </ol>		
<b>Research topics</b>	Public Health, Epidemiology and Biostatistics, Pathophysiology and Disease Prevention, Health Technology.		
	PNRR Scholarships – Extended Partnership 8 – Consequences and challenges of ageing  CUP: H43C22000840006	n.1	n.1 scholarship curriculum Clinical pathophysiology and disease prevention, linked to the following research project: <i>"Contrasting the development of hospitalisation-acquired cognitive and functional decline in hospitalized older adults"</i> <b>(SAN.1)</b>
	PNRR Scholarships – Extended Partnership 6 HEAL ITALY HEALTH EXTENDED ALLIANCE  CUP: H43C22000830006	n.1	n.1 scholarship curriculum Biostatistics and Epidemiology, linked to the following research project: <i>"Innovative study design and data analysis methods for precision medicine, biomarker validation and prediction"</i> <b>(SAN.2)</b>
	<b>Total number of places available</b>	<b>n. 2</b>	
For further information about the research projects, see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		
<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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>
<b>Information about examinations</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The candidate's knowledge of English shall be tested.</li> <li>• <b>Oral examination:</b> The oral examination will focus on the motivational reasons of the candidates and on testing their knowledge and interests in the field of pathophysiology and disease prevention, public health, epidemiology, health service management and medical statistics as well as in the field of methodologies concerning epidemiological studies and health technology assessment.</li> </ul>
<b>Results of the qualifications assessment</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 <b>8 November 2022</b> on the University website at the following link::  <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>Examination dates</b>	<p>Oral examination: <b>9 November 2022</b></p> <p>The oral examinations will go on 10 November, if necessary.</p>
<b>Rankings</b>	<p>Rankings will be published at the following link:  <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<b>Contact for academic information</b>	<p><a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/public-health">https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/public-health</a></p>
<b>Further information</b>	<p>Candidate may also choose scholarships related to different curricula</p>



<b>Materials Science and Nanotechnology</b> (Cod. 116R)			
<b>Department</b>	Materials science		
<b>Coordinator</b>	Prof. Marco Bernasconi		
<b>Length of program</b>	3 years		
<b>Curricula</b>	1. Materials Science 2. Materials Technology		
<b>Research topics</b>	Information about the main research topics are available on the website <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>	PNRR Scholarships - HPC National Center CUP: H43C22000520001	n.1	n.1 scholarship curriculum Materials science linked to the following research project: <i>"Simulating the temporal evolution of materials via machine-learning approaches"</i> <b>(MAT.1)</b>
	PNRR Scholarships - Ecosystems of Innovation (MUSA) CUP: H43C22000550001	n.1	n.1 scholarship curriculum Materials science linked to the following research project: <i>"Development of new materials and methods for applications in optometry / ophthalmology"</i> <b>(MAT.2)</b>
	Borse PNRR – National center for mobility CUP: H43C22000510001	n.1	n.1 scholarship curriculum Materials science linked to the following research project: <i>"Atomic scale modeling of interfaces in Li-ion batteries"</i> <b>(MAT.3)</b>
	PNRR Scholarships – Extended Partnership 6 HEAL ITALIA HEALTH EXTENDED ALLIANCE CUP: H43C22000830006	n.1	n.1 scholarship curriculum Materials science linked to the following research project: <i>"Development of advanced nanocomposite fast scintillators for high precision radiometric"</i> <b>(MAT.4)</b>
	Total number of places available	n. 4	
For further information about the research projects, see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		
<b>Assessment of qualifications</b>	1) Grade of bachelor degree: max 3 points 2) Grade of master degree (second cycle): max 7 points 2bis) Grade of old system degree or single-cycle second level degree: max 10 points 3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points 4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points 5) Certification of joint researches and analysis: max 2 points 6) Certification of training periods and/or research periods abroad of at least two		



	<p>months: max 2 points 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 oral examination a minimum score of 1 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</b></p>
<b>Information about examinations</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The examination may be taken in Italian or English, at the candidate's discretion.</li> <li>• <b>Oral examination:</b> During the oral exam candidates will be assessed with respect to: (a) their specific skills related to the thesis of master (second cycle)/old system degree, (b) their general knowledge of the disciplines relevant to the PhD in Materials Science and Nanotechnology, (c) the specific skills related to the project scholarship selected by candidate and (d) their knowledge of English.</li> </ul>
<b>Results of the qualifications assessment</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 <b>7 November 2022</b> on the University website at the following link: <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>Examination dates</b>	<p>Oral examination: <b>8 November 2022 from 11.00 am</b> and <b>9 November 2022 from 9.00 am</b> The oral examinations will go on 10 November from 9.00 am, if necessary.</p>
<b>Rankings</b>	<p>Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<b>Contact for academic information</b>	<p><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></p>
<b>Further information</b>	<p>All doctoral students are required to carry out their research at a scientific institution abroad for at least 6 months.</p>





## Chemical, Geological and Environmental Sciences

(Cod. 124R)

<b>Department</b>	Earth and Environmental Sciences		
<b>Coordinator</b>	Prof. Marco Malusà		
<b>Length of program</b>	3 years		
<b>Curricula</b>	<ol style="list-style-type: none"> <li>1. Chemical Sciences</li> <li>2. Geological Sciences</li> <li>3. Terrestrial and Marine Environmental Sciences</li> </ol>		
<b>Research topics</b>	Look at the website: <a href="https://www.disat.unimib.it/it/ricerca/dottorato-scga/linee-ricerca">https://www.disat.unimib.it/it/ricerca/dottorato-scga/linee-ricerca</a> <a href="https://www.disat.unimib.it/it/ricerca/dottorato-scga/progetto-dipartimenti-eccellenza-e-dottorato">https://www.disat.unimib.it/it/ricerca/dottorato-scga/progetto-dipartimenti-eccellenza-e-dottorato</a>		
<b>Places available</b>	PNRR Scholarships – Ecosystems of Innovation (MUSA)  CUP: H43C22000550001	n. 5	n. 1 scholarship – curriculum Terrestrial and Marine Environmental Sciences, linked to the following research project: <i>"Development and application of sensors for the monitoring of the phytoremediation process of contaminated urban soils"</i> <b>(SCGA.1)</b>  n. 1 scholarship – curriculum Terrestrial and Marine Environmental Sciences, linked to the following research project: <i>"Characterization of the environmental quality of urban green areas and analysis of the noise impact on the urban ecosystem by means of soundscape"</i> <b>(SCGA.2)</b>  n. 1 scholarship – curriculum Chemical sciences, linked to the following research project: <i>"Development and application of real-time sensing for indoor / outdoor air quality"</i> <b>(SCGA.3)</b>  n. 1 scholarship – curriculum Geological sciences, linked to the following research project: <i>"Geothermal Energy and Blue Green Infrastructures for Urban Regeneration: from local to regional scale modelling and applications"</i> <b>(SCGA.4)</b>  n. 1 scholarship – curriculum Geological sciences, linked to the following research project: <i>"Nature Base Solution for Urban Regeneration: studying the effects of greening and depaving to reduce the urban heat island"</i> <b>(SCGA.5)</b>
	PNRR Scholarships – Research infrastructures  CUP: I53C22000800006	n. 5	n. 2 scholarships – curriculum Geological sciences, linked to the following research project: <i>"Geomorphological maps realizations using innovative methodologies: from the field data acquisition to the database realization for applicative purposes"</i> <b>(SCGA.6, SCGA.7)</b>  n. 2 scholarships – curriculum Geological sciences, linked to the following research project: <i>"3D/4D geological modelling with open-source software: software development, innovative workflows and algorithms, and case studies."</i> <b>(SCGA.8, SCGA.9)</b>



			n. 1 scholarship – curriculum Geological sciences, linked to the following research project: <i>"Landslide monitoring data management"</i> <b>(SCGA.10)</b>
	Scholarships PNRR – National Biodiversity Center CUP: H43C22000530001	n. 4	n. 1 scholarship – curriculum Chemical sciences, linked to the following research project: <i>"SAR-driven valorisation of natural polyphenols"</i> <b>(SCGA.11)</b> n. 1 scholarship – curriculum Terrestrial and Marine Environmental Sciences, linked to the following research project: <i>"Effects of compaction on urban soil functions"</i> <b>(SCGA.12)</b> n. 1 scholarship – curriculum Terrestrial and Marine Environmental Sciences, linked to the following research project: <i>"Contamination of urban and peri-urban soils"</i> <b>(SCGA.13)</b> n. 1 scholarship – curriculum Geological sciences, linked to the following research project: <i>"Tree Stability in Urban Forestry to support Biodiversity Systems"</i> <b>(SCGA.14)</b>
	Total number of places available	n. 14	

For further information about the research projects, see the following link: <https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships>

<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)
<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 (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 oral examination a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</b></p>
<b>Information about examinations</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The examinations may be taken in Italian or English, at the candidate's discretion. Candidate's knowledge of English shall be tested during the oral examination.</li> <li>• <b>Oral examination:</b> The research project on the topics related to the curriculum chosen by the candidate, his grounding, ability and aptitude for research in the scientific areas covered by the PhD Course shall be discussed during the oral examination.</li> </ul>



	<ul style="list-style-type: none"> <li>• <b>Research project:</b> during the application process candidates must upload a research project, in pdf format, not exceed 3000 words in length (with exclusion of bibliography) and no more than 4 pictures.  The project is to evaluate the candidate's skills and does not necessarily have to be consistent with the topics of the chosen scholarships.</li> </ul>
<b>Results of the qualifications assessment</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 <b>8 November 2022</b> on the University website at the following link:  <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>  <a href="https://www.disat.unimib.it/it/ricerca/dottorato-scga/ammissione">https://www.disat.unimib.it/it/ricerca/dottorato-scga/ammissione</a></p>
<b>Examination dates</b>	<p>Oral examination: <b>9 November 2022</b>  The oral examination will go on 10 and 11 November, if necessary.</p>
<b>Rankings</b>	<p>Rankings will be published at the following link:  <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</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>  <a href="https://www.disat.unimib.it/it/ricerca/dottorato-scga/offerta-didattica">https://www.disat.unimib.it/it/ricerca/dottorato-scga/offerta-didattica</a></p>
<b>Further information</b>	<p>Different tests and rankings are planned for the various curricula.  Each candidate may participate in the selection for one curriculum only.</p>



**Legal Sciences**  
**(Cod. 125R)**

<b>Department</b>	Law		
<b>Coordinator</b>	Prof. Stefania Ninatti		
<b>Length of program</b>	3 years		
<b>Curricula</b>	<ol style="list-style-type: none"> <li>1. Public Law, Public Law in Economics and Philosophy of Law</li> <li>2. Roman Law, Private Law, Labour Law, Taxation Law and Civil Procedure Law</li> <li>3. Criminal Law and Criminal Procedure, Criminology, Criminal Law in Economics, History of Criminal Law and Criminal Procedure</li> <li>4. Public, European and International Law (in agreement with Université Côte d'Azur - optional)</li> <li>5. Law and Pluralism/Diritto e Società Plurale (in agreement with the Union University of Belgrado - optional)</li> </ol>		
<b>Research topics</b>	<p>The main research topics of each curriculum are available at the following link:  <a href="https://en.unimib.it/education/doctoral-research-phd-programmes/phd-programmes/legal-sciences">https://en.unimib.it/education/doctoral-research-phd-programmes/phd-programmes/legal-sciences</a></p>		
<b>Positions available</b>	PNRR Scholarships – Extended Partnership 10 Models for sustainable nutrition  CUP: H43C22000820001	n. 2	n. 2 scholarships curriculum Public Law, Public Law in Economics and Philosophy of Law, linked to the following research project: " <i>Law, food and sustainability</i> " <b>(GIURI.1/GIURI.2)</b>
	Total number of available positions	n. 2	
<p>For further information about the research project see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a></p>			
<b>Selection procedures</b>	<p>Assessment of qualifications and publications + oral examination (videoconference)</p> <p>The oral exam is based on the proposed research project and on the knowledge of the fundamental principles of one of the topics of the selected curriculum.</p>		
<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 (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 oral examination a minimum score of 3 in the assessment of qualifications</b></p>		



	<b>is requested, otherwise candidates will not be admitted to the oral examination.</b>
<b>Information about examinations</b>	<ul style="list-style-type: none"> <li>• <b>Language:</b> Knowledge of a foreign language (English, French, German or Spanish) chosen by the candidate will be assessed during the oral examination.</li> <li>• <b>Research project:</b> the research project proposed by the candidate will be discussed during the oral examination. For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project (max. 10,000 characters, Bibliography excluded).</li> </ul> <p><b>Candidate is invited to upload a project consistent with the topics chosen.</b></p>
<b>Results of the qualifications assessment</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 within <b>7 November 2022</b> on the University website at the following link:  <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>Examination dates</b>	Oral examination: <b>8 November 2022 at 10.00 am</b> and following days if necessary
<b>Rankings</b>	Ranking will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a>
<b>Contact for academic information</b>	<a href="https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/legal-sciences">https://en.unimib.it/education/postgraduates/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://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/scienze-marine-tecnologie-e-gestione">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/scienze-marine-tecnologie-e-gestione</a>  <a href="https://www.marinesciences.unimib.it/">https://www.marinesciences.unimib.it/</a>  <a href="https://marhe.unimib.it/">https://marhe.unimib.it/</a></p>		
<b>Positions available</b>	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP: H43C22000550001	n. 4	<p>n. 1 scholarship linked to the following research project: <i>"Search for novel sustainable materials from marine and plant sources for replacing synthetic substances in cosmetics"</i> <b>(MAR.1)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"Solid and semisolid formulations for supplements and cosmetics"</i> <b>(MAR.2)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"Luxury and sustainability: Beliefs, Attitudes and psycho-affective determinants of individual behaviour"</i> <b>(MAR.3)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"Innovative biomarine products for luxury packaging"</i> <b>(MAR.4)</b></p>
	PNRR Scholarships- National biodiversity center CUP: H43C22000530001	n. 5	<p>n. 1 scholarship linked to the following research project: <i>"Effects of coral diseases on the performance of large-scale coral restoration projects"</i> <b>(MAR.5)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"A multi-layer framework to optimize coral restoration actions"</i> <b>(MAR.6)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"A multidisciplinary approach to assess the impact of climate change and anthropogenic stressors on the biodiversity and health of coral reef associated organisms"</i> <b>(MAR.7)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"Study of the biodiversity of Maldivian ecosystems through historical iconographic material analysis."</i> <b>(MAR.8)</b></p> <p>n. 1 scholarship linked to the following research project: <i>"Ecological assessment of mangrove stands in al-zorah protected area United Arab Emirates"</i> <b>(MAR.9)</b></p>
	Total number of available positions	n. 9	



<p>For further information about the research projects, see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a></p>	
<b>Selection procedures</b>	Assessment of qualifications, research project and publications + oral test (videoconference)
<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 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> <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>To access the oral examination no minimum score in the assessment of qualifications is requested.</p>
<b>Information about the examination</b>	<p><b>Oral test interview language:</b> During the oral exam, knowledge of the English language will be assessed. The examination may be taken in Italian or English at the choice of the candidate.</p> <p><b>Oral exam:</b> 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><b>Research project:</b> during the competition registration procedure, the candidate must upload, in addition to the titles, also a research project, in Italian or English. The research project must be consistent in terms of topics and disciplinary areas with the lines of research present in the PhD Programme and with the proposals of the scholarships. It should be noted that the research project is a first hypothesis of the candidate, it will not necessarily coincide with the PhD research that will see the fundamental contribution provided by the comparison with the faculty and the host institution</p> <p><u>Project characteristics:</u> length 8,000-10,000 characters (spaces included, bibliography excluded), consisting of the following parts:</p> <ul style="list-style-type: none"> <li>- Title, abstract (about 400 characters), theoretical background and state of the art, objectives/hypotheses or research questions, methodology, expected results.</li> <li>- Bibliography.</li> </ul> <p>Candidates will need to show methodological rigour, expository clarity, argumentation, critical assessment and deepening of problems.</p> <p>Candidate is invited to upload a project consistent with the topics chosen.</p>
<b>Result of qualifications assessment</b>	<p>The outcome of the assessment of qualifications, together with the subdivision of candidates on the exam days, which has the value of notification for all purposes, will be published on <b>2 November 2022</b> on the University website at: <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 examination: <b>3 November 2022.</b></p> <p>In the event that the number of candidates to be examined is high, the Selection Board reserves the right to conduct the interviews also on 4 November 2022.</p>
<b>Rankings</b>	The rankings will be published at the following link:





	<a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a>
<b>Contact for academic information</b>	<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>
<b>Further Information</b>	All PhD candidates are required to carry out research activity at a scientific institution abroad for at least 6 months.



## Converging Technologies for Biomolecular Systems (TeCSBi)

(Code 117R)

<b>Department</b>	Biotechnology and Bioscience		
<b>Coordinator</b>	Prof. Paola Branduardi		
<b>Length of program</b>	3 years		
<b>Research topics</b>	<p>The PhD Course in Converging Technologies for Biomolecular Systems (TeCSBi) is based on the study of biological systems both in the view of their emerging properties and of the molecular details defining their properties.</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>	PNRR Scholarships – National Biodiversity center CUP:H43C22000530001	n. 3	<p>n. 1 borsa vincolata al seguente progetto di ricerca: <i>"Using phylogenetic methods to explore the biodiversity and potential bioactive molecules in plant lineages"</i> <b>(TECSBI.1)</b></p> <p>n. 1 borsa vincolata al seguente progetto di ricerca: <i>"The human mark on pollinators: integrative assessment of impacts and mitigation actions targeting the pollination ecosystem service"</i> <b>(TECSBI.3)</b></p> <p>n. 1 borsa vincolata al seguente progetto di ricerca: <i>"Characterization of plant bioactive molecules for prevention/treatment of neurodegenerative diseases and neuroinflammation"</i> <b>(TECSBI.4)</b></p>
	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP:H43C22000550001	n. 1	n. 1 borsa vincolata al seguente progetto di ricerca: <i>"Host-microbiome interactions in the built environments: new approaches for a sustainable urban regeneration"</i> <b>(TECSBI.2)</b>
	PNRR Scholarships – RNA National center CUP:H43C22000500001	n. 1	n. 1 borsa vincolata al seguente progetto di ricerca: <i>"Optimization and implementation of nucleic acids delivery platforms"</i> <b>(TECSBI.5)</b>
	PNRR Scholarships – Extended Partnership 10 Models for sustainable nutrition CUP: H43C22000820001	n. 1	n. 1 scholarship linked to the following research project: <i>"Characterization of natural compounds for cancer prevention and therapy"</i> <b>(TECSBI.6)</b>
	Total number of places available	n. 6	

For further information about the research projects, see the following link: <https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships> and <https://elearning.unimib.it/course/view.php?id=22611>



<b>Selection procedures</b>	Assessment of qualifications and publications + research project uploaded by candidate (form: <a href="https://elearning.unimib.it/course/view.php?id=22611#section-2">https://elearning.unimib.it/course/view.php?id=22611#section-2</a> , TEMPLATE FOR PROJECT PROPOSAL SESSION III PNRR) + oral examination (videoconference)
<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 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.</li> </ol> <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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>
<b>Information about the examinations</b>	<ul style="list-style-type: none"> <li>• <b>Oral examination:</b> The oral examination will consist of a discussion of the research project submitted by the candidate and evaluation of the entry competencies. The interview will be taken partly in English to test the candidate's knowledge of English.</li> <li>• <b>Research project:</b> during the application process, in addition to their qualifications, candidates must also upload a research project using the form mentioned above.</li> </ul> <p>The research project have to be consistent with at least one of the topics chosen</p>
<b>Results of the qualifications assessment</b>	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 <b>7 November 2022</b> on the University website at the following link: <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>
<b>Examination dates</b>	Oral examination: <b>9 November 2022 at 9:30 am</b> The oral examinations will go on 10, 11 November, if necessary.
<b>Rankings</b>	Rankings will be published at the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a>
<b>Contact for academic information</b>	<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>
<b>Further information</b>	The mobility of phd students in other Research Institutes for at least 3 months is recommended for all positions and it 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.



## URBEUR-Urban Studies

(Code 126R)

<b>Department</b>	Sociology and Social Research		
<b>Coordinator</b>	Prof. Lavinia Bifulco		
<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>	PNRR Scholarships – National center for mobility CUP: H43C22000510001	n.1	n.1 scholarship linked to the following research project: <i>"MaaS and innovative services for the sustainable mobility"</i> <b>(URBEUR.1)</b>
	PNRR Scholarships – Ecosystems of Innovation (MUSA) CUP: H43C22000550001	n.1	n.1 scholarship linked to the following research project: <i>"Safe, smart, intermodal, and sustainable mobility at the local scale"</i> <b>(URBEUR.2)</b>
	Total number of places available	n. 2	
For further information about the research projects, see the following link: <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/bandi-concorso/borse-progetto-project-scholarships</a>			
<b>Selection procedures</b>	Assessment of qualifications and publications + oral examination (videoconference)		
	<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 (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 oral examination no minimum score in the assessment of qualifications is requested.</b></p>		



<p><b>Information about examinations</b></p>	<ul style="list-style-type: none"> <li>• <b>Language:</b> The examinations shall be held in English.</li> <li>• <b>Research project:</b> The research project proposed by the candidate shall be discussed during the oral examination. For this purpose, 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: theoretical framework, assumptions and methodology.</li> </ul> <p>Candidate is invited to upload a project consistent with the topics chosen.</p>
<p><b>Results of the qualifications assessment</b></p>	<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 7 November 2022 on the University website at the following link:  <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>
<p><b>Examination dates</b></p>	<p>Oral examination: <b>10 November 2022 at 4.30 pm.</b></p> <p>The oral examinations will go on 14 November at 4.30 pm, if necessary.</p>
<p><b>Rankings</b></p>	<p>Rankings will be published at the following link:  <a href="https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo">https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-38degciclo</a></p>
<p><b>Contact for academic information</b></p>	<p><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></p>