

Description sheets XL cycle

Session II

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Analysis of Social and Economic Processes (ASEP) (Cod. 118R)

Department	Sociology and Social Research		
Coordinator	Prof. Alberta Andreotti		
Length of program	3 years		
Research topics	Subjective Well-being, Communication, Youth, Life courses, Culture and Cultural Change, Demography, Deviance and Crime, Social Research Design and Methods, Social Inequality, Economics, Ethnicity and Interethnic Relations, Family, Gender, Education, Labor Market, Social Change, Organizations, Migrants and Migrations, Social Networks, Public Policy Evaluation.		
Places available	Scholarships cofounded by external bodies PNRR 630/2024	n. 1	n. 1 scholarship funded by INVALSI, linked to the following research project " <i>A digital competence measurement tool for the study of educational inequalities and poverty</i> "
	Total number of places available	n. 1	
Selection procedures	Assessment of qualifications and publications + oral examination (videoconference)		
Assessment of qualifications	<p>1) Grade of bachelor degree: max 3 points</p> <p>2) Grade of master degree (second cycle): max 7 points</p> <p>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</p> <p>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</p> <p>1) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</p> <p>2) Certification of joint researches and analysis: max 2 points</p> <p>3) Certification of training periods and/or research periods abroad of at least two months: max 2 points</p> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 8 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination</p>		
Information about examinations	<ul style="list-style-type: none"> • Languages: The oral examination will be conducted entirely in English. • Oral examination: it will focus on two main aspects: (a) academic and research background of applicants; and (b) research interests applicants intend to pursue if admitted to the doctoral program. The interview will be evaluated against the following criteria: clarity of the exposition, argumentative ability, theoretical and methodological knowledge in the field of social sciences, fit between applicant's research interests and faculty areas of specialization. • Reference letters: two reference letters, written in a free form, signed by university teachers or experts according to the procedure described in the art. 4, are requested. 		
Results of the qualifications assessment	The results of the qualifications assessment, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on		

	<p>27/08/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examinations will take place on 03/09/2024 from 9.30 am. In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 04/09/2024 from 2.30 pm.</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/analysis-social-and-economic-processes-asep</p>

Cultural and Social Anthropology (Cod. 119R)

Department	'Riccardo Massa "Human Sciences for Education Department		
Coordinator	Prof. Alice Bellagamba		
Length of program	3 years		
Research topics	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.		
Places available	University scholarships	n. 1	No. 1 scholarship reserved for Palestinians students residing in the West Bank, Gaza Strip and Israel, as well as Palestinian refugees in other countries. To be eligible for this scholarship, an identity document (e.g. passport or ID card) certifying residence in the aforementioned territories or attesting to refugee status must be attached to the application.
	Places reserved to scholarship holders from specific international mobility programs	n. 1	n.1 place reserved to MEDiverSEAty Project:101119700 HORIZON-MSCA-2022-DN-01
	Total number of places available	n. 2	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference) The Committee will not evaluate candidates who do not have the required qualifications for the scholarship/reserved position.		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination no minimum score in the assessment of qualifications is requested.</p>		
Information about the examination	<ul style="list-style-type: none"> • Languages: The exam consists of an oral interview, carried out either in Italian or English at the candidate's choice. <p>The selection committee will test the English proficiency of candidates that have chosen Italian</p>		

	<p>for the interview.</p> <ul style="list-style-type: none"> • Research project: 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: <ol style="list-style-type: none"> 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. <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>Results of the qualifications assessment</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 23/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
<p>Examination dates</p>	<p>Oral examinations will be held on 25/07/2024 from 11.30 am to 5.30 pm.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 26/07/2024.</p>
<p>Rankings</p>	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
<p>Contact for academic information</p>	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/cultural-and-social-anthropology</p>

Business for Society (Cod. 111R)			
Department	Business and Law		
Coordinator	Prof. Paola Agnese Bongini		
Length of program	3 years		
Research topics	<p>Rethinking the responsible corporation by bridging management, law, governance, and purpose; measuring, managing, and communicating on performance for sustainability; environmental, social, governance: a new paradigm for businesses; finance and economy for society; business education for society</p> <p>The PhD program in B4S adopts a macro perspective in the analysis of the impact of economic and business activities on society and a micro perspective of companies and not-for-profit organizations and allows one to deepen one's knowledge of emerging business and management ideas and strategies</p>		
Places available	Scholarships cofunded by external bodies PNRR 630/2024	n. 2	<p>n. 1 scholarship funded by RSE, linked to the following research project: <i>"Analysis of the Strategic Positioning of the Italian Manufacturing Sector in Decarbonization Technologies"</i> PROG.1 ;</p> <p>n. 1 scholarship funded by Assofond – Associazione Italiana Fonderie, linked to the following research project: <i>"Assessment of Economic Impact Scenarios for the Italian Foundry Sector in Relation to the Decarbonization Goals Set by the European Green Deal"</i> PROG. 2</p>
	Total number of places available	n. 2	
Selection procedures	Assessment of qualifications and publications + research project + reference letter + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>		
Information about	<ul style="list-style-type: none"> • Languages: The oral exam will be conducted in English. 		

<p>the examinations</p>	<ul style="list-style-type: none"> • Oral examination: 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. • Research project: For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project, drawn up in English and of maximum 5 pages, containing title, research proposal, reference literature, research methodology, expected results. • Reference letters: The candidate must submit one reference letter written in an unofficial style and signed by professors or experts in accordance with art. 4
<p>Results of the qualifications assessment</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 23/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
<p>Examination dates</p>	<p>Oral examinations will take place on 25/07/2024 from 9 am to 6 pm. In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 26/07/2024.</p>
<p>Rankings</p>	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
<p>Contact for academic information</p>	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/business-society-b4s</p>

Chemical, Geological and Environmental Sciences (Cod. 124R)

Department	Earth and Environmental Sciences		
Coordinator	Prof. Marco Malusà		
Length of program	3 years		
Curricula	<ol style="list-style-type: none"> 1. Chemical Sciences 2. Geological Sciences 3. Terrestrial and Marine Environmental Sciences 		
Tematiche di ricerca	Look at the website: https://www.disat.unimib.it/en/study/phd-course/research-lines		
Places available	Scholarships funded by external bodies	n. 1	n. 1 scholarship funded by INGV, linked to the following research project: <i>"The cycle of carbon and light noble gases in the Earth's interior: relation with the planet geodynamics and geophysical evidences, impact on climate evolution"</i>
	Scholarships cofunded by external bodies PNRR 630/2024	n. 1	n. 1 scholarship funded by ENI S.p.a linked to the following research project: <i>"Development of an innovative management tool for soil treatment plants with biological technology"</i>
	Total number of places available	n. 2	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>		
Information about examinations	<ul style="list-style-type: none"> • Language: 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. • Oral examination: 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. • Research project: 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.
Results of the qualifications assessment	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 24/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi
Oral examinations	Oral examinations will take place on 25/07/2024 from 9 am. In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 26, 29, 30/07/2024 from 9 am..
Rankings	Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle
Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/chemical-geological-and-environmental-sciences https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/offerta-didattica
Further information	Different tests and rankings are planned for the various curricula. Each candidate may participate in the selection for one curriculum only. If not all scholarships available for a curriculum – not linked to a research project - are assigned, they will be assigned according to a general ranking, made up of all those who are eligible in other curricula, on the basis of the score obtained in the admission competition.

Computer science (Cod. 114R)			
Department	Computer Science, Systems and Communications		
Coordinator	Prof. Leonardo Mariani		
Length of program	3 years		
Research topics	All research topics related to SSD INF/01, MAT/09 and ING-INF/05		
Places available	Scholarships funded by Department	n. 9	<p>n. 3 scholarships funded by department of excellence 2023-2027 ReGAIInS, linked to the following research projects:</p> <p>1) <i>"Responsible, dependable, secure and interpretable AI"</i> PROG.1</p> <p>2) <i>"Artificial Intelligene for the improvement of the individual and social well-being"</i> PROG.2</p> <p>3) <i>"AI Applications for Healthcare and Biomed Research"</i> PROG.3</p> <p>n. 1 scholarship funded by public and/or private bodies (PNRR) - PE RESTART Program, linked to the following research project: <i>"AI-based resource and service orchestration for decentralized Function-as-a-Service"</i> PROG.4</p> <p>n. 1 scholarship funded by Department, linked to the following research project: <i>SoftwareDevelopment and Testing with Generative AI"</i> PROG.5</p> <p>n. 2 scholarships funded FAIR/AMAR project linked to the following research project: <i>"Adaptation to context in NLP"</i> PROG.6</p> <p>n. 1 scholarships funded FAIR/AMAR project linked to the following research project: <i>"Multimodal Neuro-Symbolic A:/ Tackling Uncertainty in Data andKnowledge Representation"</i> PROG.7</p> <p>n. 1 scholarships funded FAIR/AMAR project linked to the following research project: <i>"Cross-Modality Knowledge Fusion for Context- and Interaction-Aware Information Representation"</i> PROG.8</p>
	Scholarships cofunded by external bodies PNRR 630/2024	n. 2	<p>n. 2 scholarships funded by Fastweb S.p.a., linked to the following research projects:</p> <p>1) <i>"Dataset and System Development for LLM Output Validation"</i> PROG.9</p> <p>2) <i>"AI Ethics and Guardrails Development"</i> PROG.10</p>
	Scholarships funded by external bodies	n. 1	n.1 scholarship funded by Fondazione IRCCS Istituto Nazionale Tumori, linked to the following research project: <i>"Causal networks and nlp for clinical data"</i> PROG. 11
	Total number of places available	n. 12	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		

<p>Assessment of qualifications</p>	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 6 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</p>
<p>Information about the examinations</p>	<ul style="list-style-type: none"> • Language: the examinations will be in English. • Oral examination: the research project proposed by the candidate shall be discussed during the oral examination. • Research project: 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. Those proposals that fall into the following areas are considered to be of particular interest: Computational methods for the detection of emotional states, Molecular computing models, Automation in software development and quality, Sustainable AI. • Reference letters: 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.
<p>Results of the qualifications assessment</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 26/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
<p>Oral examinations</p>	<p>Oral examinations will take place from 29/07/2024 to 02/08/2024 from 9 am.</p>
<p>Rankings</p>	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
<p>Contact for academic information</p>	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/computer-science</p>

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

Department	Biotechnology and Bioscience		
Coordinator	Prof. Andrea Galimberti		
Length of program	3 years		
Research topics	<p>The cultural project of the PhD Course focuses on biological systems studied from the point of view of specific emerging properties, exploiting innovative technologies and analyzing the different levels of complexity, from the ecosystemic to the molecular one.</p> <p>Research projects will be focused on three main pillars:</p> <ul style="list-style-type: none"> - Systems and molecular biology approaches for the study of complex biological functions - Synthetic biology, Bio-organic Chemistry and Green Chemistry - Bioprospecting, Bioprocesses, Management and Valorization of Natural Resources 		
Places available	Scholarships funded by the Department	n. 1	n. 1 scholarship funded by Department of Biotechnology and Bioscience linked to the following research project: <i>"Delivering autoantigens in the liver to induce tolerance and treat autoimmune diseases"</i> PROG.1
	Scholarships cofounded by external bodies PNRR 630/2024	n. 2	<p>n. 1 scholarship funded by Società Ecozinder S.p.a., linked to the following research project: <i>"ReMaPIC - Recovering Critical Raw Materials"</i> PROG.2</p> <p>n. 1 scholarship funded by GIELLEPI S.p.a, linked to the following research project: <i>"Study of the potential health benefits provided by selected nutraceutical preparations"</i> PROG.3.</p>
	Places reserved to scholarship holders from specific international mobility programs	n. 1	n.1 place reserved to PRESSURE Project: 101119464 HORIZON-MSCA-2022-DN-01
	Total number of available positions	n. 4	
Selection procedures	Assessment of qualifications and publications + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 3 in the assessment of qualifications</p>		

	is requested, otherwise candidates will not be admitted to the oral examination.
Information about the examinations	<ul style="list-style-type: none"> • Language: the oral examination in videoconference will be taken partly in English to test the candidate's knowledge of English. • Oral examination: it consists of an interview regarding the skills acquired in previous research experiences (Master's thesis and/or subsequent specializations) and a discussion regarding the potential development of the research project selected by the candidate among those offered by the TeCSBi teaching board. • Research project: For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project, drawn up in English, having the following structure: - Candidate's Name and Surname; Research Topic ID (among those proposed by the TeCSBi committee); Project's Title; State of art (Max 300 words); Objectives (Max 200 words); Work plan - tasks and expected deliverables - (Max 500 words); Impacts of the project (Max 200 words); References (max 15). <p>For further information: https://elearning.unimib.it/course/view.php?id=22611</p>
Results of the qualifications assessment	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 26/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi
Oral examinations	Oral examinations will take place on 04/09/2024 from 9 am CET In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 06/09/2024 from 9 am CET
Rankings	Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle
Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/converging-technologies-biomolecular-systems-tecsbi https://elearning.unimib.it/course/view.php?id=22611 (to see the research projects)
Further information	The of phd students in other foreign Research Institutes is an ordinary activity for positions linked to the University scholarships and to the project scholarships. To support mobility for these positions, an increase in the scholarship for maximum 12 months is granted.

Economics, Statistics and Data Science (Cod. 112R)

Department	Economics, Management and Statistics (DEMS)		
Coordinator	Prof. Matteo Manera		
Length of program	4 years		
Curricula	<ol style="list-style-type: none"> 1. Economics 2. Statistics 3. Big Data & Analytics for Business 		
Research topics	<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: https://www.dems.unimib.it/en/research/phd-programme</p>		
Places available	Scholarships funded by external bodies	n. 1	n. 1 scholarship curriculum Statistics funded by University of Bergamo, linked to the following research project: <i>"Statistical Methods and Models for the Analysis of Complex Data"</i>
	Total number of places available	n. 1	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 4 in the assessment of qualifications</p>		

	is requested, otherwise candidates will not be admitted to the oral examination.
Information about examination	<ul style="list-style-type: none"> • Language: The oral exam will be held in English • Research project: During the oral exam the research project presented by the candidate will be discussed. 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. • Reference letters: The candidate must submit two reference letters written in an unofficial style and signed by professors or experts in accordance with art. 4.
Results of the qualifications assessment	<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 22/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Examination dates	<p>Oral examination will take place on the following dates and time (Italian time): 24, 25, 26, 29, 30, 31 July, 2024 from 9 am.</p> <p>The oral examination procedures will be published at the same time of the publication of the results of the qualifications assessment.</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://www.dems.unimib.it/en/research/phd-economics-statistics-and-data-science</p>
Further information	<p>During the application, candidates have to select one curriculum (Economics, Statistics or Big Data & Analytics for Business).</p> <p>Rankings of candidates are distinct for each curriculum.</p>

Education in Contemporary Society (Cod. 120R)

Department	Human Sciences for Education "Riccardo Massa"		
Coordinator	Prof. Chiara Maria Bove		
Length of program	3 years		
Research topics	<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"> - intercultural challenges and migrations - dissemination and use of digitally mediated technologies; - sustainability, environment and ecological education; - new approaches to the promotion and valorization of cultural heritage; - the fight against educational poverty and socio-cultural inequalities; - changes in work and professional settings; - phenomena of radicalisation, violence and fundamentalism; - emerging and latent forms of exclusion, social injustice, educational poverty - work with families and support for parenting - learning through all phases of life; - lifelong, lifewide and lifedeeep learning; - access to training and work; - recognition of skills and informal learning; - communication as a source of individual and collective well-being; - promotion of well-being and the harmonious development of individuals; - education to active citizenship; - training in health and care; - ethical challenges related to education; - challenges to teaching and learning processes in school contexts; - teaching - strategies and learning environments. 		
Places available	Scholarships cofounded by external bodies PNRR 630/2024	n. 1	n. 1 scholarship funded by Società Itinerari Paralleli Impresa Sociale SRL, linked to the following research project: <i>"Placemaking with communities: co-designing innovative learning spaces for collective wellbeing"</i> .
	Total number of places available	n. 1	
Selection procedures	Assessment of qualifications and publications + research project +oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 		

	<p>schools, any other second degrees: max 2 points</p> <p>5) Certification of joint researches and analysis: max 2 points</p> <p>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</p> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>
Information about examinations	<ul style="list-style-type: none"> • Language: the oral examination in videoconference, will be partially in English to test the candidate's linguistic ability • Oral examination: 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. • Research project: 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"> - Abstract (about 400 characters) - Project: Title, theoretical background, objectives/hypotheses or research questions, methodology, expected results. - Bibliography
Results of the qualifications assessment	<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 22/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examinations will be held on 24/07/2024 from 8.30 am to 1 pm and from 2 pm to 7 pm.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 25/07/2024</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/education-contemporary-society</p>
Further information	<p>In the evaluation of qualifications (item 3), only scientific papers in peer-reviewed journals, books or conferences will be considered.</p>

Intangible Heritage in Socio-Cultural Innovation

(Cod. 108R)

Department	Human Sciences for Education "Riccardo Massa"		
Coordinator	Prof. Franca Zuccoli		
Length of program	3 years		
Research topics	<p>The doctoral program in Intangible Heritage in Socio-Cultural Innovation was created in agreement with the University of Perugia and Basilicata to promote the diversity of the country system, without losing sight of local specificities. The Ph.D. and Ph.D. students will address the processes of mediation, interpretation and participation that enable the active protection of heritages of proximity, the role of public policies and the problems of governance of intangible heritage on various levels of scale (municipal, regional, interregional, national), cooperation between public and private actors, the importance of participatory and inclusive valorization (with anthropological, artistic, communicative, economic, pedagogical, psychological, sociological, historical looks), the challenges of digitization, the ethical dimension and community involvement.</p> <p>The PhD Program aims to carry out research projects - participatory, experimental, qualitative, quantitative, theoretical, historical, comparative, etc. - centered on significant problems in the field of intangible heritage that keep social and cultural innovation strongly in mind and that are closely related to the proposed scholarships in full agreement with the host institutions. Each scholarship provides for a stay in the host institution for a period of not less than 6 months.</p> <p>Further information can be found at the following link: https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/intangible-heritage-socio-cultural-innovation</p>		
Available places	Scholarship funded by Department	n. 3	n.3 scholarships funded by department of excellence 2023-2027, linked to the following research projects: 1) " <i>Socio-cultural and educational innovation as it relates to heritage in the digital transition era. Combatting inequality in education and professional development</i> " PROG.1 2) " <i>Socio-cultural and educational innovation as it relates to heritage in the digital transition era. Individual and collective identities in a state of transformation</i> " PROG.2 3) " <i>Socio-cultural and educational innovation as it relates to heritage in the digital transition era. Reinforcing social ties/solidarity networks</i> " PROG.3
	Scholarships PNRR 629/2024	n. 1	n. 1 scholarship funded by PNRR 629/2024, linked to the following research project with GASC: " <i>The role of the sacred and contemporary art amongst contemporary socio-cultural changes</i> " PROG.4
	Total number of places available	n. 4	
Selection procedures	Assessment of qualifications and publications + oral examination (videoconference)		
Assessment of qualifications	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		

	<p>5) Certification of joint researches and analysis: max 2 points 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.</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"> • Students of Master grade (second cycle): max 7 points • 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 <p>To access the oral examination no minimum score in the assessment of qualifications is requested.</p>
<p>Information about the examination</p>	<ul style="list-style-type: none"> • Language: the oral examination in videoconference, will be partially in English to test the candidate's linguistic ability • Oral examination: 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. • Research project: 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 and with the topics of the scholarships. <p>The projects are an exercise to assess the candidates' skills and knowledge, their ability to move in the field and to connect theories themes and research with concrete goals and outcomes, in the contexts defined by the affiliated scholarships. The submitted projects do not bind the PhD Board to the award of a specific grant to the winners of the competition.</p> <p><u>Features of the project:</u> length 8.000-10.000 characters (spaces included, references excluded), structured as follows:</p> <ul style="list-style-type: none"> – Abstract (about 400 characters) – Project: Title, theoretical background, objectives/hypotheses or research questions, methodology, expected results. – Bibliography <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>Results of the qualifications assessment</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 05/09/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
<p>Oral examination</p>	<p>Oral examination: 06/09/2024 from 9 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 10/09/2024 from 9 am.</p>
<p>Rankings</p>	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
<p>Contact for academic information</p>	<p>https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/patrimonio-immateriale-nellinnovazione-socio-culturale</p>
<p>Further information</p>	<p>All doctoral students are required to carry out their research at a scientific institution abroad for at least 6 months.</p>

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)

Department	Environmental and Earth Sciences		
Coordinator	Prof. Paolo Galli		
Duration	3 years old		
Research Topics	<p>Information on the main research topics can be found on the following websites:</p> <p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm https://www.marinesciences.unimib.it/ https://marhe.unimib.it/</p>		
Places available	Scholarship funded by Department	n. 1	n.1 scholarship funded by the Department of Environmental and Earth Sciences, department of excellence 2023-2027, linked to the following research project: <i>"Deciphering climate change, anthropogenic forces, and groundwater dynamics from coral reef sediments to provide innovative and strategic mitigation actions in a Maldivian Atolls"</i> . PROG.1
	Scholarships funded by external bodies	n. 5	n. 2 scholarships funded by IIT, linked to the following research projects: 1) <i>"Environmental fate of micro and nanoplastics in aquatic environments: examination and intervention strategies"</i> ; PROG.2 2) <i>"Development of Crosslinked Marine-Derived Polymeric Hydrogels for Humidity Control and Active Molecule Delivery: Applications in Biomedical, Agricultural, and Environmental Sectors"</i> ; PROG.3
			n. 2 scholarships funded by Stazione Zoologica Anton Dohrn, linked to the following research projects: 1) <i>"Biotechnological exploitation of microorganisms from mangrove forests"</i> ; PROG.4 2) <i>"Benthic sensitive ecosystems as source of bacteria with application in bioremediation strategy"</i> ; PROG.5
			n.1 scholarship funded by University of Messina, linked to the following research project: <i>"Population studies and ecological role of brachyuran crabs from Maldives Archipelago"</i> PROG.6
	Scholarships funded by external bodies PNRR 630/2024	n. 2	n. 1 scholarships funded by Bulgari SpA, linked to the following research projects: <i>"Assessment of the ecological status of Maldivian ecosystems using innovative techniques"</i> PROG.7
n. 1 scholarships funded by SRA Instruments S.p.a., linked to the following research projects: <i>"Advanced mass spectrometry techniques for the study of the marine Environment"</i> PROG. 8			
Scholarships PNRR 629/2024	n. 1	n.1 scholarship linked to the following research project: <i>"Learning from the 4th Global Coral Bleaching: Enhancing Thermal Tolerance, Developing Stress Memory, and Mitigating Strategies"</i> PROG. 9	

	Places reserved to scholarship holders from specific international mobility programs	n. 1	n.1 place reserved to MEDiverSEAty Project: 101119700 HORIZON-MSCA-2022-DN-01
	Total number of available positions	n. 10	
Selection procedures	Assessment of qualifications, research project and publications + oral test (videoconference)		
Assessment of qualifications	<p>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 months: max 2 points 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"> • Students of Masters Degree: max 7 points • 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 <p>To access the oral examination no minimum score in the assessment of qualifications is requested.</p>		
Information about the examination	<p>Oral test interview language: 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. Oral exam: 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. Research project: 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"> - Title, abstract (about 400 characters), theoretical background and state of the art, objectives/hypotheses or research questions, methodology, expected results. - Bibliography. <p>Candidates will need to show methodological rigour, expository clarity, argumentation, critical assessment and deepening of problems.</p>		
Result of qualifications assessment	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 18/07/2024 on the University website at: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi		
Oral examination calendar	Oral examination: 19/07/2024 from 8.30 am. 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 20/07/2024 from 8.30 am.		
Rankings	The rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-		

	rankings-40th-cycle
Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm
Further Information	All PhD candidates are required to carry out research activity at a scientific institution abroad for at least 6 months.

Materials Science and Nanotechnology (Cod. 116R)

Department	Materials science		
Coordinator	Prof. Francesco Montalenti		
Length of program	3 years		
Research topics	Information about the main research topics are available on the website: https://www.mater.unimib.it/it/ricerca/linee-ricerca		
Places available	Scholarships funded by external bodies	n. 1	n. 1 scholarship funded by RSE, linked to the following research project: <i>"Development of processes for improving the performance of alkaline ion batteries with innovative electrode materials"</i> PROG. 1 n. 1 scholarship funded by ENI, linked to the following research project: <i>"Organic and hybrid nanomaterial based strategies for thermalneutrons detection"</i> PROG. 2 n. 1 scholarship funded by IIT, linked to the following research project: <i>"Colloidal nanocrystals based on metalhalides for solar concentrators and scintillator detectors"</i> PROG.3
	Scholarships cofounded by external bodies PNRR 630/2024	n. 3	n. 1 scholarship funded by Società GemaTEG Italia S.r.l, linked to the following research project: <i>"Development of enhanced thermoelectric coolers for thermal management of high-performance electronic chips"</i> PROG.4; n. 1 scholarship funded by Vishay Semiconductor Italiana S.p.a. , linked to the following research project: <i>" Study and Development of Materials for Electronics and Optoelectronics Applications"</i> PROG.5 n. 1 scholarship funded by RSE, linked to the following research project: <i>"Heterointegration on Silicon Substrate for Tandem Solar Cells"</i> PROG. 6
	Places reserved to scholarship holders from specific international mobility programs	n. 1	n.1 place reserved to eNargiZinc Project: 101120311 HORIZON-MSCA-2022-DN-01
	Total number of places available	n. 7	
Selection procedures	Assessment of qualifications and publications + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points 		

	<p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 6 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</p>
Information about examinations	<ul style="list-style-type: none"> • Language: the examination may be taken in Italian or English, at the candidate's discretion. • Oral examination: 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, and (c) their knowledge of English.
Results of the qualifications assessment	<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 29/08/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examinations will take place on 02/09/2024 from 9.30 am to 6 pm, 03/09/2024 from 2.30 pm to 6 pm, 04/09/2024 from 9.30 am to 6 pm.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 06/09/2024 from 9.30 am to 6 pm.</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/materials-science-and-nanotechnology</p>
Further information	<p>All doctoral students are required to carry out their research at a scientific institution abroad for at least 6 months.</p>

Neuroscience (Cod. 122R)			
Department	Medicine and Surgery		
Coordinator	Prof. Rosa Moresco		
Length of program	3 years		
Curricula	1. Experimental Neurosciences 2. Clinical Neurosciences		
Research topics	<p>The research topics covered in the Neuroscience PhD programme are available at the following link: https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience</p> <p>The research topics covered by the the Academic Board of the PhD program are available at the following link: http://www.neuroscienze.medicina.unimib.it/?page_id=61</p>		
Places available	Scholarships cofounded by external bodies PNRR 630/2024	n. 2	n. 1 scholarship curriculum Clinical neuroscience funded by Linari Medical S.R.L., linked to the following research project: <i>"Multisensory cognitive rehabilitation of the neurological patient"</i> PROG. 1 n. 1 scholarship curriculum Clinical neuroscience funded by Newronika S.p.A., linked to the following research project: <i>"Implementing and testing new algorithms for adaptive deep brain stimulation to improve gait and freezing of gait in patients with Parkinson's disease"</i> PROG. 2
	Scholarships funded by Department	n. 1	n.1 scholarship curriculum experimental neuroscience - ANTHEM AdvaNced Technologies for Human-centrEd Medicine, funded by the Department of Medicine and Surgery, linked to the following research project: <i>"Broader iPSC sensory neuron characterization, : comparison to human and mouseDRG, application to peripheral neuropathies research"</i> PROG.3
	Total number of places available	n. 3	
Selection procedures	<p>Assessment of qualifications and publications +research project + 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>		
Assessment of qualifications	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 months: max 2 points The Committee will evaluates periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19. For those students who have not obtained their degree yet, the score of points 2 or 2bis will be		

	<p>replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination no minimum score in the assessment of qualifications is requested.</p>
Information about the examinations	<ul style="list-style-type: none"> • Language: The examinations may be taken in Italian or English, at the candidate's discretion. Knowledge of English will be tested by oral examination. • Oral examination: The research project proposed by the candidate shall be discussed during the oral examination. • Research project: 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 http://www.neuroscienze.medicina.unimib.it). 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.
Results of the qualifications assessment	<p>The results of the qualifications assessment, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on:</p> <p>Curriculum 1 Experimental Neurosciences: 23/07/2024 Curriculum 2 Clinical Neurosciences: 23/07/2024</p> <p>on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examination will take place on:</p> <p>Curriculum 1 Experimental Neurosciences: 03/09/2024 from 9.30 am Curriculum 2 Clinical Neurosciences: 03/09/2024 from 9.30 am</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 06/09/2024 from 11.30 am (Curriculum 1 and Curriculum 2)</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience</p>
Further information	<p>Different tests and rankings are planned for the various curricula. Each candidate may participate in the selection for one curriculum only. Final thesis will have to be drawn up and discussed in English (mandatory).</p>

Nursing and Midwifery (Cod. 133R)

Department	Medicine and Surgery		
Coordinator	Prof. Davide Ausili		
Length of program	3 years		
Research topics	<i>Development of new knowledge, methods, tools and interventions in the field of Nursing and Midwifery, with particular focus on health promotion and continuous improvement of the quality of nursing and midwifery care.</i>		
Places available	Scholarships funded by the Department	n. 1	n. 1 scholarship funded by the Department of Medicine and Surgery, linked to the following research project " <i>Development of new knowledge, methods, tools and interventions in the field of Nursing and Midwifery, with particular focus on one of the following research lines of the Department: self-care, adherence and symptoms management in chronic conditions, patient and caregiver education, physiological childbirth, quality of the childbirth process, issues related to stillbirth, midwifery education</i> ". PROG.1
	Scholarships co-funded by external bodies PNRR 630/2024	n. 2	n. 1 scholarship funded by Ordine delle Professioni Infermieristiche di Milano Lodi Monza e Brianza, linked to the following research project " <i>Self-care, quality of life and empowerment of patients with chronic conditions and their caregivers: from data to innovative nursing care models in community health services</i> "; PROG.2 n. 1 scholarship funded by Selexi S.r.l., linked to the following research project " <i>Virtual reality in nursing education and nursing competence assessment: development, implementation and effectiveness evaluation</i> ". PROG.3
	Scholarships PNRR 629/2024 Scholarship in agreement pursuant to DM 226/2021, art. 3 paragraph 2	n.3	n. 2 scholarships one funded by Unimib and one funded by Unimi, linked to the following research project " <i>Development of new knowledge, methods, tools and interventions in the field of Nursing and Midwifery, with particular focus on health promotion and continuous improvement of the quality of nursing and midwifery care.</i> " PROG.4 n.1 scholarship funded by Istituto Auxologico Italiano linked to the following research project " <i>Development of new knowledge on self-care, symptom recognition, symptom management and interoception as key elements to prevent and to treat cardiovascular diseases and their complications.</i> " PROG.5
	Total number of places available	n. 6	
Selection procedures	Assessment of qualifications and publications + oral examination (videoconference)		

Assessment of qualifications	<ol style="list-style-type: none"> 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 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>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"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>
Information about the examinations	<ul style="list-style-type: none"> • Languages: The oral exam will be conducted in English. • Oral examination: the oral examination will cover nursing and midwifery research methodology, fundamentals of public health, epidemiology and statistics, ethics in research, clinical research with special reference to nursing and midwifery roles, search skills in scientific databases, critical reading of scientific articles. • Letters of reference: the submission of two free-form written letters of reference signed by national or international academicians or experts in accordance with Article 5 is required.
Results of the qualifications assessment	<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 23/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examinations will take place on 25/07/2024 from 10 am to 5 pm (Italian time) 26/07/2024 from 10 am to 5 pm (Italian time) If the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 2/09/2024 from 2 pm to 6 pm (Italian time)</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/nursing-and-midwifery</p>

Physics and Astronomy (Cod. 113R)

Department	"G. Occhialini" Department of Physics		
Coordinator	Prof. Stefano Ragazzi		
Length of program	3 years		
Research topics	<p>A) Theoretical physics: string theory and quantum field theory, theory and phenomenology of fundamental interactions, lattice field theories and computational physics.</p> <p>B) Subnuclear physics: particle physics at the Large Hadron Collider, flavour physics, neutrino physics, astroparticles and fundamental physics in space.</p> <p>C) Astrophysics: cosmology and primordial universe, study of galaxies, high energy astrophysics, gravitational waves and their sources</p> <p>D) Plasma physics: magnetically confined plasmas, thermonuclear plasmas, laser-produced plasmas, industrial applications of plasmas.</p> <p>E) Biophysics: non-linear optical microscopy applied to biosystems, models for dynamic processes, nanoparticles for nanomedicine.</p> <p>F) Physics for medicine and physics technologies.</p> <p>G) Electronics: design and characterization of analog or mixed integrated circuits for research projects and for industry. Digital systems based on microcontrollers, FPGA and integrated circuits. Physics of devices based on semiconductors.</p>		
Places available	ANTHEM Project: AdvANced Technologies for Human-centrEd Medicine (PNC0000003)	n. 2	n. 2 scholarship funded by Department of Physics – Anthem Project, linked to the following research project: 1) " <i>X-ray multiscale tomography with a laboratory source applied to medical diagnostics</i> " PROG. 1 2) " <i>Mass spectroscopy analysis of atmospheric pressure plasmas for air sanitation</i> " PROG. 2
	Scholarships funded by Department	n. 1	n.1 scholarship funded by the Department of Physics PE-04 Quantum project, linked to the following research project: " <i>Circuiti integrati per applicazioni industriali</i> " PROG.3
	Scholarships cofounded by external bodies PNRR 630/2024	n. 2	n. 1 scholarship funded by Fondazione Bruno Kessler, linked to the following research project: " <i>Development of cryogenic Silicon Photomultipliers for pure and applied physics</i> " PROG. 4 n. 1 scholarship funded by Specto S.r.l., linked to the following research project: " <i>Brillouin spectroscopy for the analysis of the mechanical properties of biological samples</i> " PROG. 5
	Scholarships funded by external bodies	n. 2	n.1 scholarship funded by INAF - Istituto Nazionale di Astrofisica, linked to the following research project: " <i>Optimisation of the performances of a coded mask telescope for the study of high-energy transients</i> " PROG. 6 n.1 scholarship funded by Consorzio per l'attuazione del Progetto Divertor Tokamak Test DTT S.c. a r.l linked to the following research project: " <i>Study of tokamak plasmas with impurity seeding for the optimization of DTT plasma scenarios</i> " PROG. 7
	Places without scholarship	n. 1	
	Total number of places available	n. 8	
Selection procedures	Assessment of qualifications and publications + research project + oral examination		

	(videoconference)
Assessment of qualifications	<p>1) Grade of bachelor degree: max 3 points</p> <p>2) Grade of master degree (second cycle): max 7 points</p> <p>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</p> <p>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</p> <p>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</p> <p>5) Certification of joint researches and analysis: max 2 points</p> <p>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</p> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>
Information about examination	<ul style="list-style-type: none"> • Language: 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. • Oral examination: will focus on the topics related to his own thesis and to the research project submitted by the candidate and will also test the basic knowledges related to the relevant research topics. • Research project: for this purpose, during the application process, in addition to their qualifications, candidates must also upload a research project, different from the abstract of the master's thesis, that will have to state the relevant research topic among those ones indicated above (letters A-G). The project will have to be max. 2 A4 pages, excluding bibliography, drawn up according to the following structure: title, context and purpose of the project, underlying basis of the project, methods used to carry out the project, outline of results expected from the project. 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. • Reference letters: The candidate must submit two reference letters, one of which from the supervisor of his/her second cycle (master's) degree thesis, or equivalent qualification, in accordance with art. 4.
Results of the qualifications assessment	<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 26/08/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examinations will be held on 02/09/2024 and 03/09/2024 from 9.30 am.</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://www.fisica.unimib.it/it/didattica/dottorato/attivita%20didattica-dottorato</p>

Psychology, Linguistics and Cognitive Neurosciences (Cod. 127R)

Department	Psychology		
Coordinator	Prof. Simona Sacchi		
Length of program	3 years		
Curricula	<ol style="list-style-type: none"> 1. Mind, Brain and Behaviour 2. Social, Cognitive and Clinical Psychology 		
Research topics	Look at the website of the PhD School (https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience) with details about the fields of research of the members of the Scientific Board		
Places available	Scholarships cofounded by external bodies PNRR 630/2024	n. 2	n. 1 scholarship for Mind, Brain and Behaviour curriculum funded by Cooperativa Sociale Il Manto, linked to the following research project: <i>"Not just for Sport: motor and sports practice as a tool for intervention in children and pre-adolescents in educational poverty and psychosocial distress"</i> n. 1 scholarship for Social, Cognitive and Clinical Psychology curriculum, funded by Checkmoov S.r.l., linked to the following research project: <i>"From Health to Happiness: Evaluating the Effects of Physical Activity and Mental Wellness on Employee Satisfaction and Productivity"</i>
	Total number of places available	n. 2	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 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>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"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 8 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</p>		
Information about examinations	<ul style="list-style-type: none"> • Language: Knowledge of English will be tested by oral examination. • Oral examination: During the oral examination the research project related to the topics of 		

	<p>the curriculum chosen by the candidate shall be discussed in order to assess the candidate's expertises and research skills in the scientific areas of the PhD program.</p> <ul style="list-style-type: none"> • Research project: 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.
Results of the qualifications assessment	<p>The results of the qualifications assessment, curricula 1 and 2, together with a breakdown of candidates in the examination days that has notification value for all legal purpose, will be published on 31/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations Curriculum 1 Mind, Brain and Behaviour	<p>Oral examinations will take place on 04/09/2024 from 10 am In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 05/09/2024 from 10 pm</p>
Oral examinations Curriculum 2 Social, Cognitive and Clinical Psychology	<p>Oral examinations will take place on 02/09/2024 from 2 pm In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 04/09/2024 from 2 pm</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/psychology-linguistics-and-cognitive-neuroscience</p>
Further information	<p>Different tests and rankings are planned for the various curricula. Each candidate may participate in the selection for one curriculum only. Final thesis will have to be drawn up and discussed in English (mandatory).</p>

Public Health Epidemiology, Statistics and Economics (Cod. 129R)

Department	Medicine and Surgery		
Coordinator	Prof. Lorenzo Mantovani		
Length of program	3 years		
Research topics	Public Health, Epidemiology, Biostatistics, Health Economics		
Places available	Scholarships funded by Department	n. 2	n. 1 scholarship funded by Department of Medicine and Surgery linked to the following research project: <i>"Identification and Management of Complex Clinical Needs of Older Patients with Acute Heart Failure: The Impact of a Geriatric Approach"</i> PROG.1 n. 1 scholarship funded by Department of Statistics and Quantitative Methods linked to the following research project: <i>"Automating Literature Review in Medical Research using Machine Learning: A Time-Efficient Approach"</i> ; PROG.2
	Scholarships funded by external bodies	n.1	n.1 scholarship funded by FIDIM Srl linked to the following research project: <i>"Organization for the Advancement and Support of Emergency Systems(OASES)"</i> PROG.3
	Scholarships cofounded by external bodies PNRR 630/2024	n. 2	n. 1 scholarship funded by Fondazione Charta, linked to the following research project: <i>"Development and application of decision analytical modelling to healthcare problems "</i> PROG.4 n. 1 scholarship funded by Fondazione Don Carlo Gnocchi Onlus, linked to the following research project: <i>"Evidence synthesis in the rehabilitation field: a comparison among different methods to support clinical decision making"</i> PROG.5
	Total number of places available	n. 5	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		

<p>Assessment of qualifications</p>	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>To access the oral examination a minimum score of 7 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.</p>
<p>Information about examinations</p>	<ul style="list-style-type: none"> • Language: The candidate's knowledge of English shall be tested. • Oral examination: The oral examination will be taken in Italian or English. During the oral examination candidates will have to present and discuss: (a) their educational and research background to date; (b) their own research project. The congruence of skills, study interests, and research objectives with the research themes of the doctoral program will be assessed. • Research project: during the application process, in addition to their qualifications, candidates must also upload a research project, drawn up in English and of maximum 2 pages
<p>Results of the qualifications assessment</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 30/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
<p>Oral examinations</p>	<p>Oral examinations will be held on 03/09/2024 from 9 am to 4 pm.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 04/09/2024 from 2 pm to 6 pm</p>
<p>Rankings</p>	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
<p>Further information</p>	<p>The teaching of the programme is taught in English</p>

The New Public Administration: data and human resources

**Doctoral degree in associated form pursuant to art. 3 c.2 DM 226/2021 affiliated with:
Università degli Studi di Bergamo, Università Ca' Foscari Venezia, Università degli Studi di Firenze,
Università degli Studi di Milano, Università degli Studi di Padova, Università degli Studi di Torino,
Università di Cagliari, Università degli Studi di Trento**

(109R)

Department	Law		
Coordinator	Prof. Alfredo Marra		
Lenght of program	3 years		
Curricula	<ol style="list-style-type: none"> 1. Selection, management and enhancement of human capital in public administrations. 2. Data, policies and services in public administrations. 		
Research topics	The main research topics of each curriculum are available at the following link (sub-menu): https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/new-public-administration-data-and-human-resources		
Places available	Scholarships PNRR 629/2024	n. 13	n. 8 scholarships – Curriculum 1 n. 5 scholarships – Curriculum 2
	University scholarships	n. 2	n.1 scholarship – curriculum 1 - funded by University of Turin (PROG.9) n.1 scholarship – curriculum 2 - funded by Ca' Foscari University of Venice (PROG.14)
	Total number of places available	n. 15	
Curriculum 1 - Selection, management and enhancement of human capital in public administrations	n. scholarships: 9	<ol style="list-style-type: none"> 1. "Reaction to performance appraisal, well-being and work behaviour outcomes. A mixed-method study" PROG.1 2. "Promoting the development of good practices for the realization of a coherent and integrated educational system for children 0-6 between Public Administration and local services" Prof. Andrea Galimberti (Università degli Studi di Milano-Bicocca) PROG.2 3. "The Administration of Major Events: The Case of Milano-Cortina 2026" - Prof. Alfredo Marra and Prof. Margherita Ramajoli (Università degli Studi di Milano Bicocca); PROG.3 4. "Public Value and Social Innovation in public services" - Prof. Alessandro Sancino (Università degli Studi di Milano Bicocca); PROG.4 5. "Higher education and higher VET systems: autonomy, regulation, governance, evaluation and funding" - Prof. Matteo Turri (Università degli Studi di Milano); PROG.5 6. "Cause di esclusione non automatica e discrezionalità della stazioneappaltante nel nuovo Codice dei contratti pubblici, alla luce dei principidei principi del risultato, della fiducia e dell'accesso al mercato" - Prof. Gabriella Crepaldi and dott. Sonia Caldarelli (Università degli Studi di Bergamo); PROG.6 7. "Sustainability-driven innovations in local governments" - Prof. Mariafrancesca Sicilia and Prof. Laura Mariani (Università degli Studi di Bergamo); PROG.7 8. "Enhancing Public Administration Quality in Multiple Transitions: Collaborative Governance, Key Players, Resources, and Strategies" - Prof. 	

		<p>Maria Stella Righettini (Università degli Studi di Padova); PROG.8</p> <p>9. "Administering by risk: new challenges of public administration accountability" - Prof Roberto Cavallo Perin and prof. Maura Mattalia (Università degli Studi di Torino); PROG.9</p>
<p>Curriculum 2 - Data, policies and services in public administrations</p>	<p>n. scholarships: 6</p>	<p>1. "New territorial health infrastructures: knowledge, integration, participation" - Prof. Emanuele Polizzi (Università degli Studi di Milano-Bicocca); PROG.10</p> <p>2. "Analysis of Public Policy Effects" Prof. Emilia Rocco (Università di Firenze); PROG. 11</p> <p>3. "Sustainability in Healthcare" - Prof. Francesca Dal Mas (Università di Venezia Ca' Foscari); PROG.12</p> <p>4. "New territorial governance for social and health services" - Prof. Stefano Campostrini (Università di Venezia Ca' Foscari); PROG.13</p> <p>5. "Interoperability of Systems in Public Administration Institutions" - Prof. Agostino Cortesi (Università di Venezia Ca' Foscari); PROG.14</p> <p>6. "The new digital tools for public service delivery" - Prof. Alessandro Spano (Università di Cagliari); PROG.15</p>
<p>Selection procedures</p>	<p>Assessment of qualifications and publications + oral examination (videoconference)</p> <p>The oral examination will focus on the research project presented by the candidate and on the knowledge of the main topics of the curriculum chosen</p>	
<p>Assessment of qualifications</p>	<p>1) Grade of bachelor degree: max 3 points</p> <p>2) Grade of master degree (second cycle): max 7 points</p> <p>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</p> <p>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</p> <p>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</p> <p>5) Certification of joint researches and analysis: max 2 points</p> <p>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points</p> <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • 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 <p>To access the oral examination no minimum score in the assessment of qualifications is requested.</p>	
<p>Information about the examination</p>	<ul style="list-style-type: none"> • Language: The examination may be taken in Italian or English, at the candidate's discretion. The selection committee will test the English proficiency of candidates that have chosen Italian for the interview • Research project: 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) <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>Results of the qualifications assessment</p>	<p>Curriculum 1 - 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 31/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-</p>	

	<p>dottorato/informazioni-concorsi</p> <p>Curriculum 2 - 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 31/07/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
<p>Examination dates</p> <p>Curriculum 1- Selection, management and enhancement of human capital in public administrations</p>	<p>Oral examination: 02/09/2024 from 9 am. and following days if necessary.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 04/09/2024 from 8.30 am. to 1.30 pm.</p>
<p>Examination dates</p> <p>Curriculum 2 - Data, policies and services in public administrations</p>	<p>Oral examination: 02/09/2024 from 9 am.</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 04/09/2024 from 8.30 am. to 1.30 pm</p>
<p>Contact for academic information</p>	<p>https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/corsi-dottorato/risorse-nuova-pa-persone-e-dati</p>
<p>Rankings</p>	<p>The ranking lists will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
<p>Further information</p>	<p>Admission to each curriculum is subject to a specific test. Candidates may only take the examinations for one curriculum.</p> <p>The final title and content of the research projects of the successful candidates will be defined in agreement with the tutors assigned by the Scientific Board to each doctoral student by 31 December 2024.</p> <p>All doctoral students are required to carry out their research at a scientific institution abroad for at least 6 months.</p>

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

Department	Medicine and Surgery		
Coordinator	Prof. Francesco Mantegazza		
Length of program	3 years		
Research topics	Clinical and Regenerative Medicine, Technological Platforms, Nanomedicine and Diagnosis, Neurodegenerative and muscular disorders, Oncological Hematological Disorders, Cardiovascular and Pulmonary Disorders, Immunological and Infective Disorders, Cellular and Molecular Mechanisms		
Places available	Scholarships funded by the Department	n. 2	<p>n. 1 scholarship funded by Department of Medicine and Surgery, linked to the following research project: "<i>Identifying sugar-dependent transcriptional and metabolic programs in IDH mutant AML</i>" PROG.1</p> <p>n. 1 scholarship ANTHEM: AdvaNced Technologies for Human-centrEd Medicine co-funded by Department of Medicine and Surgery and Department of Biotechnology and Bioscience, linked to the following research project: "<i>Functionalization and synthesis of biomaterials for biomedical applications</i>" PROG. 2</p>
	Scholarships funded by external bodies	n. 4	<p>n. 2 scholarships funded by Fondazione M. Tettamanti N. De Marchi – ONLUS, linked to the following research projects:</p> <p>1) "<i>Single-cell analysis of minimal residual disease in childhood acute lymphoblastic leukemia</i>" PROG. 3</p> <p>2) "<i>PAX5-rearranged pediatric B-cell leukemia: from its biological bases to novel targeting strategies</i>" PROG. 4</p> <p>n.2 scholarships funded by Istituto Nazionale di Genetica Molecolare, linked to the following research projects:</p> <p>1) "<i>Antibody evolution by natural selection and artificial intelligence</i>" PROG 5</p> <p>2) "<i>Identification and engineering of tumor-specific T cell receptors</i>" PROG. 6</p>
	Scholarships cofunded by external bodies PNRR 630/2024	n. 2	<p>n. 1 scholarship funded by SynBalance Srl linked to the following research project: "<i>Exploring the immunomodulatory potential and interaction with intestinal mucosa of probiotic microbe, their components, and metabolic products: implications for host health</i>" PROG.7</p> <p>n. 1 scholarship funded by Centro Cardiologico Monzino S.p.a., linked to the following research project: "<i>Inhibition of FGF23/FGFR4 axis in cardiovascular complication associated to chronic kidney disease</i>" PROG.8</p>
	Total number of places available	n. 8	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		

Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>
Information about the examinations	<ul style="list-style-type: none"> • Language: The oral examination will be taken in Italian and English. • Oral examination: The research project proposed by the candidate shall be discussed during the oral examination in order to assess the candidate's research skills and motivations, as well as to evaluate her/his interest in the DIMET PhD program. The oral examination can also consist of questions regarding the research areas of the PhD programme or the research project funded. • Research project: For this purpose, during the application process, in addition to their qualifications, candidates must also upload a research project relating to the research areas of the PhD course. The research project will have to be in English, max 1 page, excluding references, drawn up according to the following structure: 1) Background, 2) goals, 3) research method, 4) expected results, 5) bibliography.
Results of the qualifications assessment	<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 05/09/2024 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examinations	<p>Oral examinations will take place on 06/09/2024 from 9 am</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 06/09/2024 from 9 am</p>
Rankings	<p>Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/translational-and-molecular-medicine-%E2%80%93-dimet</p>

URBEUR-Urban Studies (Cod. 126R)

Department	Sociology and Social Research		
Coordinator	Prof. Matteo Colleoni		
Length of program	3 years		
Research topics	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbeur-%E2%80%93-urban-studies		
Places available	Scholarships cofounded by external bodies PNRR 630/2024	n. 1	n.1 scholarship funded by Agenzia per il Trasporto Pubblico Locale del bacino della Città Metropolitana di Milano, Monza e Brianza, Lodi e Pavia, linked to the following research project: <i>"Mobility demand analysis data collection methodologies to support service planning and pricing policies"</i>
	Total number of places available	n. 1	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		
Assessment of qualifications	<ol style="list-style-type: none"> 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 months: max 2 points <p>The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • Students of Master grade (second cycle): max 7 points • Students of old system degree or single-cycle second level degree: max 10 points <p>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.</p>		
Information about examinations	<ul style="list-style-type: none"> • Language: the examinations shall be held in English. • Oral examination: the research project proposed by the candidate shall be discussed during the oral examination. • Research project: 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. 		
Results of the qualifications assessment	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 19/07/2024 on the University website at the following link:		

	https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi
Oral examinations	<p>Oral examinations will take place on 03/9/2024 from 10 am to 6 pm</p> <p>In the event that the number of candidates to be examined is high, the committee reserves the right to hold the oral examinations also on 04/9/2024 from 4 pm to 6 pm</p>
Rankings	<p>Rankings will be published at the following link:</p> <p>https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-40th-cycle</p>
Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbeur-%E2%80%93-urban-studies