

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

Department	Sociology and Social Research		
Coordinator	Prof. Maurizio Pisati		
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.		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 1	n.1 scholarship linked to the following research project: <i>"Digital society: Epistemological and methodological foundations of the use and social consequences of digital technologies"</i> (ASEP.1)
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 1	n.1 scholarship funded by Istituto per la Ricerca Sociale (IRS), linked to the following research project: <i>"Children's and teenagers' participation and empowerment in design and evaluation of socio-educational projects"</i> (ASEP. 2)
	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 9 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. 5, are requested.
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 15 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination	<p>Oral examinations will take place on: 18 September 2023 from 11.00 a.m. to 6.00 p.m. 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 19 September 2023 from 9.00 a.m. to 6.00 p.m.</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-39th-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>

Business for Society (Cod. 111R)			
Department	Business and Law		
Coordinator	Prof. Paola Agnese Bongini		
Length of program	3 anni		
Curricula	1. Management of institutions and international organizations 2. Strategic Management of innovation in companies and non-profit organizations		
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>Curriculum 1 adopts a macro perspective in the analysis of the impact of economic and business activities on society and is specifically oriented towards international institutions and international markets</p> <p>Curriculum 2 adopts the micro perspective of companies and not for profit organizations and allows to deepen one's knowledge of emerging business and management ideas and strategies</p>		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n.2	n.1 scholarship for the Strategic Management of innovation in companies and non-profit organizations Curriculum, linked to the following research project: <i>"Innovation models and start-up performance"</i> ; (B4S. 1) n.1 scholarship for the Strategic Management of innovation in companies and non-profit organizations Curriculum, linked to the following research project: <i>"Entrepreneurial Training and the Impact of acceleration programs on start-up performance"</i> . (B4S.2)
	Places without scholarship	n.1	Curriculum Strategic Management of innovation in companies and non-profit organizations
	Total number of places available	n.3	
Selection procedures	Assessment of qualifications and publications + research project + reference letter + 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 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		

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	<p>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"> Languages: The oral exam will be conducted in English. 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. 5
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 11 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral Examination	<p>Oral examinations will take place on 12 September 2023 from 9.30 a.m.</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 13 and 14 September 2023 from 9.30 a.m</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/business-society-b4s</p>
Further information	<p>During the procedure candidates have to apply for the curriculum ("Management of institutions and international organizations" or "Strategic management of innovation in companies and no-profit organizations") which they want to be evaluated for.</p> <p>Different rankings are planned for each curriculum.</p>

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

Department	Earth and Environmental Sciences		
Coordinator	Prof. Marco Malusà		
Length of program	3 years		
Curricula	1. Chemical Sciences 2. Geological Sciences 3. Terrestrial and Marine Environmental Sciences		
Research topics	Look at the website: https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/linee-ricerca		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	n. 1 scholarship for Terrestrial and Marine Environmental Sciences curriculum, linked to the following research project: <i>"Definition, measurement, and quantification of ecosystem services in urban regeneration interventions"</i> (SCGA.1) n. 1 scholarship for Terrestrial and Marine Environmental Sciences curriculum, linked to the following research project: <i>"Monitoring the health of urban ecosystems with innovative remote sensing techniques"</i> ; (SCGA.2)
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 2	n. 1 scholarship for Chemical Sciences curriculum funded by CP2 Biotech, linked to the following research project: <i>"Synthesis of novel human TLR4 receptor modulators"</i> ; (SCGA.3) n. 1 scholarship for Terrestrial and Marine Environmental Sciences curriculum – funded by Sistemi Ambientali srl, linked to the following research project: <i>"Reuse of Bioremediated Hydrocarbon-Contaminated Sediments as Soil for Non-Food Crops: Evaluating Properties, Ecotoxicity, Biological Safety, and Circular Economy Aspects"</i> ; (SCGA.4)
	PNRR Scholarships - HPC National Center CUP: H43C22000520001	n. 1	n. 1 scholarship for Geological Sciences curriculum, linked to the following research project: <i>"Advanced analysis of multi-satellite data using AI tools"</i> . (SCGA.5)
	Scholarships funded by external bodies	n. 3	n. 1 scholarship for Geological Sciences curriculum, funded by INGV, linked to the following research project: <i>"The topography of the Moho discontinuity under the Alps-Apennines mountain chain, from the analysis of a state-of-the-art, multi-level Receiver Function database"</i> ; (SCGA.6) n. 1 scholarship for Terrestrial and Marine Environmental Sciences curriculum, co funded by OGS, linked to the following research project: <i>"Intensification of tropical cyclones: impact of fine scale processes"</i> ; (SCGA.7)

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			n. 1 scholarship for Chemical Sciences curriculum funded by Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile, ENEA, linked to the following research project: <i>"Experimental activities and study of the conversion processes of waste materials into catalysts for hydrogen production"</i> (SCGA.8)
	Scholarships funded by the Department	n. 1	n. 1 scholarship for Terrestrial and Marine Environmental Sciences curriculum, linked to the following research project: <i>"Production and chemical functionalization of biochar for environmental applications"</i> (SCGA.9)
	High level training apprenticeship contract	n. 2	n. 1 contract with Groutfreezlab s.r.l. for Geological Sciences curriculum, linked to the following research: <i>"Permeation grouting: an experimental and numerical study to improve its efficiency"</i> ; (SCGA.10) n. 1 contract with M3R - Monitoring and Management of Microbial Resources s.r.l. – for Terrestrial and Marine Environmental Sciences curriculum, linked to the following research project: <i>"Groundwater remediation: new biological and molecular strategies"</i> (SCGA.11)
	Total number of places available	n. 11	
Selection procedures	<p>Assessment of qualifications and publications + research project + oral examination (videoconference)</p> <p>Scholarship holders from specific international mobility programs will be selected on the basis of criteria and timing set in those programs</p>		
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. 		

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	<ul style="list-style-type: none"> • 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	<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 18 September 2023 on the University website at the following link:</p> <p>https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination	<p>Oral examinations will take place on 19 September 2023 from 9.00 a.m.</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 20, 21 and 22 September 2023 from 9.00 a.m.</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/chemical-geological-and-environmental-sciences</p> <p>https://www.disat.unimib.it/it/didattica/dottorato-scienze-chimiche-geologiche-e-ambientali/offerta-didattica</p>
Further information	<p>Different tests and rankings are planned for the various curricula.</p> <p>Each candidate may participate in the selection for one curriculum only.</p>

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		
Available places	Scholarship PNRR co-funded by external body D.M. 118/2023	n. 2	<p>n. 1 scholarship linked to the following research project: <i>"Cloud-based Mobility as a Service involving public and on-demand transportation"</i> (INF.1)</p> <p>n.1 scholarship linked to the following research project: <i>"Automotive – grade 3D reconstruction"</i> (INF.2)</p>
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 4	<p>n. 1 scholarship funded by NLYTICS PTE.LDT, linked to the following research project: <i>"Investigating the mechanisms regulating the human gut microbiome and its impact on host health using Bayesian networks"</i> (INF.3)</p> <p>n.1 scholarship funded by Fastweb S.p.A. linked to the following research project: <i>"Constructing a Virtual Officer: Large Language Models and Generative AI for the Telecommunications Market"</i> (INF.4)</p> <p>n.1 scholarship funded by IRCCS Eugenio Medea – sezione scientifica dell'Associazione "La Nostra Famiglia", linked to the following research project: <i>"3D Geometric tools for Clinical Pediatric Medical Imagins Solutions"</i> (INF.5)</p> <p>n.1 scholarship funded by Fondazione IRCCS Istituto Nazionale Tumori, linked to the following research project: <i>"Causal models for prediction and decision making from multiple-data sources"</i> (INF.6)</p>
	Scholarships funded by Department	n. 4	<p>n. 1 scholarship funded by the grant "Departments of Excellence 2023/2027" ReGAIInS (Budget MUR), linked to the following research project: <i>"Responsible, dependable, secure and interpretable AI"</i> (INF.7)</p> <p>n. 1 scholarship funded by the grant "Departments of Excellence 2023/2027" ReGAIInS (Budget MUR), linked to the following research project: <i>"Artificial Intelligence for the improvement of the individual and social well-being"</i> (INF. 8)</p> <p>n. 1 scholarship funded by the grant "Departments of Excellence 2023/2027" ReGAIInS (Budget MUR), linked to the following research project: <i>"AI Applications for Healthcare and Biomed Research"</i> (INF.9)</p> <p>n. 1 scholarship funded by European Union, through Fondazione Regionale per la Ricerca Biomedica (FRRB), linked to the following research project: <i>"Bayesian causal networks for personalized treatment of patients"</i></p>

			<i>suffering Myasthenia Gravis" (INF.10)</i>
	PNC scholarships – ANTHEM project CUP: B53C22006670001	n. 6	<p>n. 1 scholarship funded by the Department, linked to the following research project: <i>"Artificial Intelligence for data and technology driven diagnoses and therapies" (INF.11)</i></p> <p>n. 1 scholarship funded by the Department, linked to the following research project: <i>"A digital platform for the digital health" (INF.12)</i></p> <p>n. 3 scholarships funded by the Department, linked to the following research project : <i>"Intelligent Sensing for Healthcare" (INF.13)</i></p> <p>n. 1 scholarship funded by the Department, linked to the following research project: <i>"Artificial Intelligence for patient-specific optimization of diagnosis and therapy based on multi-omics data and digital pathology" (INF.14)</i></p>
	Places without scholarship	n. 1	
	Total number of places available	n. 17	
Selection procedures	<p>Assessment of qualifications and publications + research project + oral examination (videoconference)</p> <p>Scholarship holders from specific international mobility programs will be selected on the basis of criteria and timing set in those programs.</p>		
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 evaluates periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</p> <p>For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:</p> <ul style="list-style-type: none"> • 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 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 		

	<p>maximum 4 pages (minimum font size: 11 points), which discusses the reasons and the relevance of the research for Computer Science, the state of the art in the industry, the objectives and the research challenges and the methodology adopted. Up to 5 relevant references for the research community should be provided.</p> <ul style="list-style-type: none"> • 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. 5.
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 15 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination	<p>Oral examinations will take place on 18, 19, 20, 21 e 22 September 2023 from 9.00 a.m. to 5.00 p.m.</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-39th-cycle</p>
Contact for academic information	<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. Paola Branduardi		
Length of program	3 years		
Research topics	<p>The PhD Course in Converging Technologies for Biomolecular Systems (TeCSBi) is based on the study of biological systems both in the view of their emerging properties and of the molecular details defining their properties.</p> <p>Research projects will be focused on three main pillars:</p> <ul style="list-style-type: none"> - Systems and molecular biology approaches for the study of complex biological functions - Synthetic biology, Bio-organic Chemistry and Green Chemistry <p>Bioprospecting, Bioprocesses, Management and Valorization of Natural Resources</p>		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	<p>n. 1 scholarship linked to the following research project: <i>"Exploitation of microbial biodiversity for novel enzymatic functions and active metabolites"</i> (TECSBI.1)</p> <p>n. 1 scholarship linked to the following research: <i>"Digital technologies for ecological transition monitoring"</i> (TECSBI.2)</p>
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 3	<p>n. 1 scholarship funded by da Sipcam Oxon S.p.A, linked to the following research project: <i>"Biotechnological approaches to support sustainable agriculture"</i> (TECSBI.3)</p> <p>n. 1 scholarship funded by Radici InNova S.c.ar.l., linked to the following research: <i>"Development and optimization of a microbial-based fermentation process for the production of dicarboxylic acids"</i> (TECSBI.4)</p> <p>n. 1 scholarship funded by PIRELLI TYRE S.p.A, linked to the following research project: <i>"Engineering microbial cell factories for biomanufacturing chemicals and modified natural polymers suited for the formulation of high performance elastomeric nano-compounds"</i> (TECSBI.5)</p>
	Places without scholarship	n. 1	
	Total number of available positions	n. 6	
Selection procedures	<p>Assessment of qualifications and publications + oral examination (videoconference)</p> <p>Scholarship holders from specific international mobility programs will be selected on the basis of criteria and timing set in those programs</p>		
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>		

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	<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 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 a first evaluation of the entry skills through multiple-choice questions, 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. <p>For further information: https://elearning.unimib.it/course/view.php?id=22611</p>
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 7 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination	<p>Oral examinations will take place on 11 September 2023 from 9.00 a.m..</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 12 and 13 September 2023 from 9.00 a.m.</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/converging-technologies-biomolecular-systems-tecsbi</p> <p>https://elearning.unimib.it/course/view.php?id=22611 (to see the research projects)</p>
Further information	<p>The mobility of phd students in other Research Institutes for at least 3 months is recommended for all positions and it is an ordinary activity for positions linked to the University scholarships and to the project scholarships. To support mobility for these positions, an increase in the scholarship for maximum 12 months is granted.</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.		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	n. 1 scholarship linked to the following research project: <i>"Abandoned buildings, urban regeneration and construction waste in a socio-cultural perspective"</i> n. 1 scholarship linked to the following research project: <i>"Ethical home delivery"</i>
	Scholarships funded by the Department	n. 2	n.2 scholarship funded by the grant "Departments of Excellence" (2023 -2027 Budget MUR), linked to the following research project: <i>"Prospettive antropologiche ed etnografiche sulle implicazioni socio-culturali della transizione digitale"</i> .
	Positions reserved to scholarship holders from foreign countries	n. 1	
	Total number of places available	n. 5	
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 no minimum score in the assessment of qualifications is requested.</p>		

Note: In the event of any inconsistency or discrepancy between the English version and Italian version of this Call, the Italian language version shall prevail.

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. 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) drawn up according to the following structure: 1. Summary; 2. General objectives and innovativeness of the research topic compared to the state of the art; 3. Work plan over three years; 4. Feasibility of the project in terms of prior knowledge (linguistic, ethnographic, bibliographic), institutional contacts, relationships that can facilitate the research; 5) bibliography. 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.
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 12 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral Examination	<p>Oral examinations will be held on 18 September 2023 from 8.30 a.m. 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 19 and 20 September 2023 from 8.30 a.m.</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/cultural-and-social-anthropology</p>

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

Department	Economics, Management and Statistics (DEMS)		
Coordinator	Prof. Matteo Manera		
Length of program	4 years		
Curricula	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>		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 1	n. 1 scholarship for the Economics curriculum, linked to the following research project: <i>"Entrepreneurial training and start-up performance"</i> (ECOSTATDATA.1)
	Scholarship PNRR co-funded by external body D.M. 117/2023	n.1	n.1 scholarship co-funded by Eni Corporate University Spa, linked to the following research project: <i>"Integrated Models for a Roadmap of National Decarbonization"</i> (ECOSTATDATA.2)
	Scholarships funded by external bodies	n. 1	n.1 scholarship funded by Università Cattolica of Milan for the Statistics curriculum, linked to the following research project: <i>"Statistical models and computational techniques for the analysis of complex multidimensional data"</i> (ECOSTATDATA.3)
	Places without scholarship	n. 1	For Big Data & Analytics for Business curriculum
	Total number of places available	n. 4	
Selection procedures	Assessment of qualifications and publications + research project + 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		

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	<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 4 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 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 4 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral Examination	<p>Oral examination will take place on (Italian time):</p> <p>7 September 2023 from 9:00 a.m</p> <p>12 September 2023 from 9:00 a.m</p> <p>14 September 2023 from 9:00 a.m</p> <p>15 September 2023 from 9:00 a.m</p> <p>18 September 2023 from 9:00 a.m</p> <p>20 September 2023 from 9:00 a.m</p> <p>21 September 2023 from 9:00 a.m</p> <p>22 September 2023 from 9:00 a.m</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-39th-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. Francesca Antonacci		
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; - education and gender studies; - 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. 		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	<p>n. 1 scholarship linked to the following research project: <i>"Democratic citizenship and well-being inside and outside the school: theoretical and methodological-instrumental perspectives"</i>; (EDU.1)</p> <p>n. 1 scholarship linked to the following research project: <i>"Theories, strategies and experiences of promoting, documenting and communicating sustainability through education"</i>. (EDU. 2)</p>
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 1	n. 1 scholarship funded by CIDI Milano, linked to the following research project: <i>"School and democratic</i>

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			<i>citizenship: preventing and combating school dropout” (EDU.3)</i>
	Total number of places available	n. 3	
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 no minimum score in the assessment of qualifications is requested.</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. <p>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.</p> <p>Features of the project: 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 		
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 15 September 2023 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 18 September 2023 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 19 September 2023 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-39th-cycle</p>		

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Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/education-contemporary-society
Further information	In the evaluation of qualifications (item 3), only scientific papers in peer-reviewed journals, books or conferences will be considered.

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Intangible Heritage in Socio-Cultural Innovation (Cod. 108R)

Department	Human Sciences for Education "Riccardo Massa"		
Coordinator	Prof. Franca Zuccoli		
Lenght 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 PNRR co-funded ex D.M. 118/2023	n. 6	<p>n. 1 scholarship linked to the following research project: <i>"Working-class memories, urban regeneration and intangible cultural heritage in the suburbs of Aosta"</i>; (IMM.1)</p> <p>n. 1 scholarship linked to the following research project: <i>"Cultures of the sea: gendered imaginaries and female knowledge in traditional Adriatic seafaring"</i>; (IMM.2)</p> <p>n. 1 scholarship linked to the following research project: <i>"The educational process as artistic practice"</i>; (IMM.3)</p> <p>n.1 scholarship linked to the following research project: <i>"Intangible heritage: research, restitution, participation, display"</i>; (IMM.4)</p> <p>n. 1 scholarship linked to the following research project: <i>"MuBiG a distributed, contemporary, participatory museum"</i>; (IMM.5)</p> <p>n. 1 scholarship linked to the following research project: <i>"Projects for safeguarding and promoting intangible cultural heritage"</i>. (IMM.6)</p>
	Total number of places available	n. 6	
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>		

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	<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 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>
Information about the examination	<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>
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 7 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination	<p>Oral examination: 11 September 2023 from 9:00 a.m.</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 12 and 13 September 2023 from 9:00 a.m.</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/intangible-heritage-socio-cultural-innovation</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>

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Legal Sciences (Cod. 125R)			
Department	Law		
Coordinator	Prof. Antonello Tancredi		
Length of program	3 years		
Research topics	<p>The research topics addressed under the different directions of the doctoral program in Legal Science are available at the following link: https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/legal-sciences. There are five research topics :</p> <ol style="list-style-type: none"> 1. Business, Tax and Labour Law (IUS/04, IUS/12, IUS/07, IUS/02) 2. Criminal justice, fundamental rights and criminal policy (IUS/16, IUS/17, IUS/19, MED/43) 3. Private autonomy, persons, protection: paths of history and contemporary perspectives (IUS/01, IUS/15, IUS/18, IUS/19) 4. Powers, Rights and Democracy (IUS/08, IUS/09, IUS/11, IUS/10, IUS/21) 5. International law, European Union law and Legal Philosophy (IUS/13, IUS/14, IUS/20) 		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	<p>n. 1 scholarship linked to the following research project: "<i>Sustainable Development, circular economy and criminal law: the role of Public Administration</i>"; (IUS.1)</p> <p>n. 1 scholarship linked to the following research project: "<i>Rights and Constitutional Court: 75 years since the approval of the Italian constitutional Charter</i>". (IUS.2)</p>
	Total number of available positions	n. 2	
Selection procedures	<p>Assessment of qualifications and publications +research project + oral examination (videoconference)</p> <p>The oral exam is based on the proposed research project and on the knowledge of the fundamental principles of one of the topics of the selected curriculum.</p>		
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: Knowledge of a foreign language (English, French, German or Spanish) chosen by the candidate will be assessed during the oral examination. 		

	<p>For those interested in International law, European Union law and Legal Philosophy, the oral examination will be taken completely in English or French, at the candidate's choice.</p> <ul style="list-style-type: none"> • Oral examination: for all the research topics, the research project proposed by the candidate will 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 (max. 10,000 characters, Bibliography excluded).
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 18 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination	<p>Oral examinations will be held on 25 September 2023 from 9.00 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 25 September 2023 from 02.00 p.m.</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/legal-sciences</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</p> <p>https://www.marinesciences.unimib.it/</p> <p>https://marhe.unimib.it/</p>		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 5	<p>n. 1 scholarship linked to the following research project: <i>"DNA barcoding and traditional taxonomy: an integrated approach for biodiversity conservation"</i> (MARINE.1)</p> <p>n. 1 scholarship linked to the following research project: <i>"Development of methods to track fraud in natural products based on recognition of molecular mar"</i> (MARINE.2)</p> <p>n. 1 scholarship linked to the following research project: <i>"Geospatial modeling for evaluating restoration suitability of marine ecosystems of the Mediterranean Seas and Tropical regions"</i> (MARINE.3)</p> <p>n. 1 scholarship linked to the following research project: <i>"The application of 3D photogrammetry and geospatial modelling techniques for Cold-Seeps habitat classification in the Arctic ocean"</i> (MARINE.4)</p> <p>n. 1 scholarship linked to the following research project: <i>"The Maritime Spaces in a Globalized World: Economics and Environment"</i> (MARINE.5)</p>
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 1	n. 1 scholarship funded by INTERCOS, linked to the following research project: <i>"Production of new materials for sustainable cosmetic"</i> (MARINE.6)
	Scholarships funded by external bodies	n. 2	<p>n. 2 scholarships funded by IIT, linked to the following research projects:</p> <p>1) <i>"Extraction of natural polymers and chemicals from marine sources"</i> (MARINE.7)</p> <p>2) <i>"Engineering of marine biopolymers for value-added products"</i> (MARINE.8)</p>
	Places without scholarship	n. 1	
	Total number of available positions	n. 9	
Selection procedures	Assessment of qualifications, research project and publications + oral test (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>		

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	<p>2a) 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 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.</p> <p>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.</p> <p>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	<p>The outcome of the assessment of qualifications, together with the subdivision of candidates on the exam days, which has the value of notification for all purposes, will be published on 12 September 2023 on the University website at: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>
Oral examination calendar	<p>Oral examination: 13 September 2023 from 8.30 a.m.</p> <p>In the event that the number of candidates to be examined is high, the Selection Board reserves the right to conduct the interviews also on 14 September 2023 from 8.30 a.m.</p>
Rankings	<p>The rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/marine-sciences-technology-and-management-mtm</p>
Further Information	<p>All PhD candidates are required to carry out research activity at a scientific institution abroad for at least 6 months.</p>

Materials Science and Nanotechnology (Cod. 116R)

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		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n.2	n. 1 scholarship linked to the following research project: <i>"First-principles modelling of materials for electrochemical storage"</i> ; (MAT.1) n. 1 scholarship linked to the following research project: <i>"Use of vegetable waste for the development of bio-based polymer composites"</i> . (MAT.2)
	PNC scholarships – ANTHEM project CUP: B53C22006670001	n.1	n. 1 scholarship funded by the Department linked to the following research project: <i>"Development and Characterization of nanostructured Nitrides for biomedical applications"</i> (MAT.3)
	PNRR scholarships – Extended Partnership 4 - National Quantum Science and Technology Institute CUP: H43C22000870001	n.2	n. 1 scholarship funded by the Department – Project "National Quantum Science And Technology Institute – NQSTI, linked to the following research project: <i>"Solid-state emitters as deterministic sources of quantum state of light"</i> ; (MAT.4) n.1 scholarship funded by the Department – Project "National Quantum Science And Technology Institute – NQSTI, linked to the following research project: <i>"Development of photon-based quantum systems by solid-state architectures"</i> . (MAT.5)
	PNRR Scholarship – ICSC – National Center HPC Big Data and Quantum Computing CUP: H43C22000520001	n.1	n. 1 scholarship linked to the following research project: <i>"Development of machine learning interatomic potentials for Ge-rich GeSbTe phase change alloys"</i> (MAT.6)
	Scholarship PNRR co-funded by external body D.M. 117/2023	n.4	n. 1 scholarship funded by X-Nano s.r.l., linked to the following research project: <i>"Research and development of electrocatalysts for water electrolysis application"</i> (MAT.7) n. 1 scholarship funded by X-Nano s.r.l., linked to the following research project: <i>"Materials for electrochemical storage and conversion"</i> (MAT.8) n. 1 scholarship funded by MIDAC S.p.a., linked to the following research project: <i>"Optimization of active materials in next-generation lithium-ion rechargeable batteries"</i> (MAT.9) n. 1 scholarship funded by Chimar S.r.l., linked to the

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			following research project: " <i>Ceramics and Bioceramics for thermal management of advanced polymer composites</i> " (MAT.10)
	Scholarships funded by external bodies	n.1	n. 1 funded by CORIMAV, linked to the following research project: " <i>Rubber Nanocomposites: aging and stabilization</i> " (MAT.11)
	Total number of places available	n.11	
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 no minimum score in the assessment of qualifications is requested.</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 1 September 2023 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 6 September 2023 from 9.00 a.m to 6.00 p.m., 12 September 2023 from 9.00 a.m to 6.00 p.m.</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 13 September 2023 from 9.00 a.m. to 6.00 p.m.</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-39th-cycle</p>		

Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/materials-science-and-nanotechnology
Further information	All doctoral students are required to carry out their research at a scientific institution abroad for at least 6 months.

Neuroscience (Cod. 122R)			
Department	Medicine and Surgery		
Coordinator	Prof. Rosa Moresco		
Length of program	3 years		
Curricula	1. Experimental Neurosciences 2. Clinical Neurosciences 3. Neuroscience International Track		
Research topics	<p>The research topics covered in the Neuroscience PhD programme are available at the following link: http://www.neuroscienze.medicina.unimib.it/?page_id=1555</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> <p>The research topics covered in the Neuroscience International Track are focused on the study of the effects of stress and antidepressants on behavior, sleep and brain cell morphology</p>		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	n.1 scholarship for Experimental Neurosciences curriculum, linked to the following research project: " <i>Multiscale imaging in neuroscience</i> ", (NEURO.1) n. 1 scholarship for Clinical Neurosciences curriculum, linked to the following research project " <i>Sensorimotor control associated with sport-related injuries</i> " (NEURO.2)
	Scholarships funded by the Department	n. 2	n. 2 scholarships for Experimental Neurosciences curriculum, linked to the following research project: " <i>Sodium-calcium exchanger (NCX) and ion channels: pivotal elements leading to axonal damage in peripheral nerves?</i> " (NEURO.3)
	Scholarships funded by external bodies	n. 1	n.1 scholarship for Experimental Neurosciences curriculum, funded by CNR Institute of Bioimaging and Molecular Physiology, linked to the following research project: " <i>Development of neurodegeneration/neuroinflammation animal models and monitoring by in vivo imaging techniques</i> ". (NEURO.4)
	Places without scholarship	n. 1	For Clinical Neurosciences curriculum
	Total number of places available	n. 6	
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		

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	<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 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, except for Neuroscience International Track curriculum. For this one the examination is to be taken only in English. Knowledge of English will be tested by oral examination and submission of any certification. 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 - 15 September 2023</p> <p>Curriculum 2 -Clinical Neurosciences - 12 September 2023</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 18 September 2023, from 10.00 a.m. (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 19 September 2023 from 10.00 a.m.)</p> <p>Curriculum 2 - 2. Clinical Neurosciences 13 September 2023, from 9.00 a.m. (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 14 September 2023 from 2.00 p.m.)</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-39th-cycle</p>
Contact for academic information	<p>https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/neuroscience</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>		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	<p>n. 1 scholarship linked to the following research project: <i>"Development of high-throughput machine learning techniques on FPGAs"</i> (FIS.1)</p> <p>n. 1 scholarship linked to the following research project: <i>"Analog and Digital Circuits Design for FinFET 16 nm Microprocessors"</i> (FIS.2)</p>
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 3	<p>n. 1 scholarship funded by "Fondazione Bruno Kessler" linked to the following research project: <i>"Development and microfabrication of superconducting quantum devices"</i>; (FIS.3)</p> <p>n. 1 scholarship funded by ENI S.p.A., linked to the following research project: <i>"Nuclear techniques for fast particle diagnostics in plasmas of the SPARC tokamak"</i> (FIS.4)</p> <p>n. 1 scholarship funded by ENI S.p.A., linked to the following research project: <i>"Nuclear techniques for fast particle diagnostics in plasmas of the SPARC tokamak"</i> (FIS.5)</p>
	Scholarships funded by the Department	n. 5	<p>n. 1 scholarship Project H2020/ERC B Massive linked to the following research project: <i>"Analysis of pulsar timing array data for low frequency gravitational wave detection"</i>; (FIS.6)</p> <p>n. 1 scholarship Project FARE – "CosmicNodes", linked to the following research project: <i>"Resolving the Cosmic Web through multi-wavelength observations around quasars"</i>; (FIS.7)</p>

			<p>n. 1 scholarship Project FARE – “CosmicNodes”, linked to the following research project: <i>"Resolving the Cosmic Web through new theoretical and numerical models of cosmic structure formation"</i>; (FIS.8)</p> <p>n. 1 scholarship Project 2020/2021 and funds PRIN 2017, linked to the following research project: <i>"Development of a fully validated Geant-4 simulation for the KATRIN beamline in view of the TRISTAN upgrade"</i>; (FIS.9)</p> <p>n. 1 scholarship Project EIC Pathfinder Open 2022 - “Unicorn” (CUP H45E22001590006), linked to the following research project : <i>"Characterization and optimization of scintillators for double beta decay studies"</i> (FIS.10)</p>
	Scholarships funded by external bodies	n.1	n. 1 scholarship funded by INAF, linked to the following research project: <i>"Innovative scientific projects of INAF-OABrera for the study of the Universe"</i> (FIS.11)
	PNRR scholarships – Extended Partnership 4 - National Quantum Science and Technology Institute CUP H43C22000870001	n. 1	n. 1 scholarship funded by Department, Project - Progetto PE-04 “National Quantum Science And Technology Institute – NQSTI, linked to the following research project: <i>"Design, characterization and modeling of devices and circuits for Quantum Computing applications"</i> (FIS.12)
	PNRR Scholarships – MUSA Innovation Ecosystems CUP H43C22000550001	n.1	n. 1 scholarship linked to the following research project: <i>"Design, characterization and modeling of devices and circuits for next generation industrial applications"</i> (FIS.13)
	PNC scholarships – ANTHEM project CUP: B53C22006670001	n. 5	<p>n. 1 scholarship funded by Department linked to the following research project: <i>"Development of ultra-fast scintillating crystals for PET devices with Time of Flight information"</i>; (FIS.14)</p> <p>n. 1 scholarship funded by Department linked to the following research project: <i>"Study of the bactericidal effects of a cold plasma for sanitizing environments"</i>; (FIS.15)</p> <p>n. 1 scholarship funded by Department linked to the following research project: <i>"Wide spectrum light and devices to sanitize air"</i>; (FIS.16)</p> <p>n. 1 scholarship funded by Department linked to the following research project: <i>"X-ray Multiscale tomography with a laboratory source applied to medical diagnostics"</i>; (FIS.17)</p> <p>n. 1 scholarship funded by Department linked to the following research project: <i>"Development of advanced image reconstruction techniques for X-ray phase contrast radiology"</i>. (FIS.18)</p>

	Total number of places available	n. 18	
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 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. • Recommendation letters: The candidate must submit two letters of recommendation, one of which from the supervisor of his/her second cycle (master's) degree thesis, or equivalent qualification, in accordance with art. 5. 		
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 8 September 2023 on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</p>		
Oral examination	<p>Oral examinations will be held on 11 September 2023 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 12, 13, 14, 15 September from 09:30 a.m.</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-39th-cycle</p>		

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**Contact for academic
information**

<https://www.fisica.unimib.it/it/didattica/dottorato/attivita%20didattica-dottorato>

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

Department	Psychology		
Coordinator	Prof. Simona Sacchi		
Length of program	3 years		
Curricula	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		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	n. 1 scholarship for Social, Cognitive and Clinical Psychology curriculum, linked to the following research project: <i>"Cognitive advantages of practicing sports in the Embodied Cognition framework"</i> ; (PSICO.3) n. scholarship for Social, Cognitive and Clinical Psychology curriculum, linked to the following research project: 1 : <i>"VR-contact": the use of emergent technology to promote an inclusive society</i> " <i>"VR-contact": uso delle tecnologie emergenti per una società inclusiva</i> " (PSICO.4)
	Scholarships funded by the Department	n. 3	n. 1 scholarship for Mind, Brain and Behaviour curriculum funded by ERC Synergy (ID progetto 2018-INTERNAZ-0128, linked to the following research project: <i>"Language Acquisition: the expression of eventivity, causality, comparison, negation in oral language and in Italian Sign Language"</i> ; (PSICO.1) n. 1 n. 1 scholarship for Mind, Brain and Behaviour curriculum, funded by the grant "Departments of Excellence 2023/2027, linked to the following research project: <i>"Psychological Science for future life: a research ecosystem to address future life challenges"</i> ; (PSICO.2) n. 1 n. 1 scholarship for Social, Cognitive and Clinical Psychology curriculum, funded by the grant "Departments of Excellence 2023/2027, linked to the following research project: <i>"Psychological Science for future life: a research ecosystem to address future life challenges"</i> . (PSICO.5)
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 1	n. 1 scholarship for Mind, Brain and Behaviour curriculum funded by Milano Serravalle – Milano Tangenziali S.p.A., linked to the following research project: <i>"The interaction between psychology and neuroscience for the enhancement of road safety"</i> (PSICO.6)
	Total number of places available	n. 6	
Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)		
Assessment of qualifications	1) Grade of bachelor degree: max 3 points 2) Grade of master degree (second cycle): max 7 points		

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	<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 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 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. 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 11 September 2023 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 the following days:</p> <p>13 September 2023 from 9.30 a.m. to 6.30 p.m. ; 14 September 2023 from 02.00 p.m. to 6.30 p.m.</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 18 September 2023 from 9.30 a.m.</p>
Oral examinations Curriculum 2 Social, Cognitive and Clinical Psychology	<p>Oral examinations will be held on the following days:</p> <p>18 September 2023 from 9.30 a.m. to 6.30 p.m.; 19 September 2023 from 9.30 a.m. to 6.30 p.m.</p> <p>In the event that the number of candidates to be examined is high, the commission reserves the right to hold the oral examinations also on 20 September 2023 from 11.30 a.m.</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-39th-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.</p> <p>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		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	<p>n.1 scholarship linked to the following research project: <i>"Population-level analysis of cardio-metabolic risk factors and their prediction based on the demographic and epidemiologic transitions and digital evolution"</i>; (PUBLIC.1)</p> <p>n.1 scholarship linked to the following research project: <i>"Enhancing the efficacy, efficiency, and financial sustainability of the health system through the use of dynamic predictive models able to predict demand, assess needs, and devise access plans for highly innovative costly healthcare services"</i>. (PUBLIC.2)</p>
	Scholarship by Department/PNRR	n. 1	<p>n. 1 scholarship linked to the following research project borsa vincolata al seguente progetto di ricerca: (PNRR-MAD-2022-12376033) <i>"Evidence-based models for high impact chronic disease prevention and risk of progression: towards eHealth platform, using machine learning and artificial intelligence on administrative and clinical databases"</i> (PUBLIC.3)</p>
	Scholarship PNRR co-funded by external body D.M. 117/2023	n. 8	<p>n. 1 scholarship funded by RULEX INNOVATION LAB SRL, linked to the following research project: <i>"Applications of machine learning in public health and clinical research: development of interpretable models"</i>; (PUBLIC.4)</p> <p>n. 1 scholarship funded by IRCCS ISTITUTO AUXOLOGICO ITALIANO, linked to the following research project: <i>"Determinants of cardiovascular diseases and their complications in the presence of strong collinearity"</i>; (PUBLIC.5)</p> <p>n. 1 scholarship funded by FIRMAD, linked to the following research project: <i>"Health economics and outcomes research methods: application and development in gastroenterology"</i>; (PUBLIC.6)</p> <p>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>; (PUBLIC.7)</p> <p>n. 1 scholarship funded by THIN SRL, linked to the following research project: <i>"Estimating the burden of chronic diseases in the general population using real-world data"</i>; (PUBLIC.8)</p> <p>n. 1 scholarship funded by HUMANITAS GAVAZZENI, linked to the following research project: <i>"A living systematic review and meta-analysis on the impact of sex on response to immunotherapy and targeted therapy in</i></p>

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			<p><i>cancer patients"; (PUBLIC.9)</i></p> <p>n.1 scholarship funded by AZIENDA REGIONALE EMERGENZA E URGENZA SARDEGNA, linked to the following research project: <i>"Monitoring and assessment of the quality of services provided by the Emergency-Urgent Care system in Sardinia (Italy)"; (PUBLIC.10)</i></p> <p>n.1 scholarship funded by IRCCS ISTITUTO EUROPEO DI ONCOLOGIA, linked to the following research project: <i>"Melanoma prevention, detection and prognosis assessment: artificial intelligence in public health."</i> (PUBLIC.11)</p>
	Places without scholarship	n.1	
	Total number of places available	n.12	
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 no minimum score in the assessment of qualifications is requested</p>		
Information about examinations	<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 of maximum 2 pages 		
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 5 September 2023 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 18 September 2023 from 02.00 p.m.</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 19 September 2023 from 02.00 p.m.</p>		



Rankings	Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-39th-cycle
Further information	The teaching of the programme is taught in English

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

Department	Medicina e Chirurgia		
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		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 2	<p>n. 1 scholarship linked to the following research project: <i>"Development of an analytical protocol for monitoring thyroglobulin in patients with thyroid cancer by remote sampling using dried capillary blood"</i>; (DIMET.1)</p> <p>n. 1 scholarship linked to the following research project: <i>"Digital pathology for a multiomics characterization of thyroid cancer"</i> (DIMET.2)</p>
	Scholarships funded by the Department	n. 2	<p>n.1 scholarship linked to the following research project: <i>"Investigation of the co-mutational landscape of naïve and drug-resistant ALK+ tumors: prognostic and therapeutic value"</i>; (DIMET.3)</p> <p>n. 1 scholarship linked to the following research project: <i>"FANTOM - Future of ALCL: Novel Therapies, Origins, Bio-Markers and Mechanism of resistance"</i> (DIMET.4)</p>
	Scholarships funded by external bodies	n. 3	<p>n. 2 scholarship funded by Istituto di Neuroscienze - Consiglio Nazionale delle Ricerche (CNR-IN), linked to the following research projects:</p> <p>1) <i>Modeling neurodevelopmental deficits of the Prr12-dependent syndrome in mice and human pluripotent stem cells</i>; (DIMET.5)</p> <p>2) <i>Gene therapy for Dravet syndrome by CRISPR/Cas9 tools</i>; (DIMET.6)</p> <p>n. 1 scholarship funded by Istituto Carlo Besta", linked to the following research project: <i>"Generation and characterization of Caenorhabditis elegans model(s) for neurodegenerative disorders caused by protein toxicity and defects of protein quality control"</i> (DIMET.7)</p>
	Total number of places available	n. 7	
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, 		

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	<p>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 6 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 (http://www.dimet.org). 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 15 September 2023 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 19 September 2023 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 21 September 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-39th-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. Lavinia Bifulco		
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		
Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 1	n. 1 scholarship linked to the following research project: <i>"Safe, smart, intermodal and sustainable mobility for urban regeneration at the local scale"</i> (URBEUR.1)
	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	<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 14 September 2023 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 18 September 2023 from 10.00 a.m. to 6.00 p.m. 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 19 September 2023 from 02.00 p.m. to 06.00 p.m.</p>		

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Rankings	Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-39th-cycle
Contact for academic information	https://en.unimib.it/education/postgraduates/doctoral-research-phd-programmes/phd-programmes/urbreur-%E2%80%93-urban-studies