

Strategic Innovation for Sustainable and Smart Ecosystems (Cod. 134R)					
Department	Economics, Management and	d Statistics (	DEMS)		
Coordinator	Prof. Paul Matthyssens				
Length of program	3 years				
Research topics	The PhD program offers scholarship with a strong interdisciplinary emphasis in four areas of expertise: "Process innovation"; "Product innovation"; "Social & Organizational innovation"; and "Welfare innovation."				
Places available	University scholarships	n. 3	of which n. 1 scholarship linked to the following research project: "Unraveling the Impact of Plastic Pollution on Carbon Cycling and Ecosystem Metabolism in Freshwater Environments" (PROG.1)		
	Scholarships funded by the Department	n. 4	n. 1 scholarship funded by the Department of Physics "Giuseppe Occhialini" and linked to the following research project: "Study of thermonuclear fusion plasmas by means of emitted radiation diagnostic techniques" (PROG.2)		
			n. 1 scholarship funded by DEMS, Department of Excellence 2023-2027, linked to the following research project: "Sustainable Artificial Intelligence and Machine Learning" (PROG.3)		
			n. 1 scholarship funded by the Department of Law, linked to the following research project: "Strategic Innovation for Justice: Sustainable Artificial Intelligence and Innovative Solutions for the Efficiency of Judicial Ecosystems" (PROG.4)		
			n. 1 scholarship funded by the Department of Psychology - Department of Excellence 2023-2027 project, linked to the following research project: "Psychological Science for Future Life: A Research Ecosystem to Address Future Life Challenges" (PROG.5)		
	Scholarships funded by companies which have an agreement with the University	n. 6	n. 1 scholarship funded by Intesa San Paolo S.p.A., linked to the following research project: "Human-Centred Approach to AI Innovation for social sustainability in technological development and regulation" (PROG.6)		
			n. 1 scholarship funded by A2A S.p.A., linked to the following research project: "Integrated approaches to assessing and analyzing strategies for planning, maintaining and restoring soil biodiversity and health" (PROG.7)		
			n. 1 scholarship funded by Italfarmaco S.p.A., linked to the following research project: "New Drug Hits and Chemical Probes Targeting Histone Deacetylase 10 (HDAC10)" (PROG.8)		
			n. 1 scholarship funded by Fondazione AVSI, linked to the following research project: "Contributions to		



			Psychometrics: Optimizing the Number of Items per Construct for Enhanced Diagnostic Accuracy" (PROG.9)
			n. 2 scholarships funded by Eni S.p.A., linked to the following research projects:  1) Innovative functional materials to accelerate nuclear fusion" (PROG.10)
			2) "Advancing Nuclear Fusion: Research and Innovation within the Eni-UNIMIB Joint Center" (PROG.11)
	Scholarships funded by external bodies	n. 1	n. 1 scholarship funded by Corimav, linked to the following research project: "New "Carbon-negative" Functional Fillers for Green Tyres: investigation of Biochar materials"  (PROG.12)
	Executive PhD positions	n. 3	n. 2 positions reserved for employees of Intesa San Paolo, linked to the following research projects:  1) Human rights as guardrails for the age of Artificial Intelligence"  2) "Unveiling the Al Mind: Mechanistic Interpretabi/ity for Trustworthy Systems"
			n. 1 position reserved for employee of Italfarmaco, linked to the following research project: "Exploring the Functions of HDAC10: A biochemical and biological study".
	Total number of places available	n. 17	
Selection procedures	Assessment of qualifications and publications     Assessmente of the research project		
	Oral examination (video	conference)	
Assessment of qualifications	<ul> <li>Oral examination (videoconference)</li> <li>1) Grade of bachelor degree: max 3 points</li> <li>2) Grade of master degree (second cycle): max 7 points</li> <li>2bis) Grade of old system degree or single-cycle second level degree: max 10 points</li> <li>3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points</li> <li>4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points</li> <li>5) Certification of joint researches and analysis: max 2 points</li> <li>6) Certification of training periods and/or research periods abroad of at least two months: max 2 points  The Committee will evaluate periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.</li> <li>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:</li> <li>Students of Master grade (second cycle): max 7 points</li> <li>Students of old system degree or single-cycle second level degree: max 10 points</li> <li>To access the assessment of research project a minimum score of 4 in the assessment of</li> </ul>		
		ed, otherv	vise candidates will not be admitted and will be



Research project	During the application process, in addition to their qualifications, candidates must also upload a research project.		
	Supplement with any information regarding the writing of the project such as type, structure, language, etc. The research project, written exclusively in English, should not exceed 4 pages (including any graphs, figures, tables and bibliographical references) and should be relevant to the topic (for project-based scholarships) chosen by the applicant.		
	To access the oral examination a minimum score of 4 in the assessment of the research project is requested, otherwise candidates will not be admitted and will be excluded from the competition.		
Information about examinations	<b>Oral examination:</b> the oral examination comprises a discussion of the research project proposed by the candidate and its relevance to the field of study identified by the PhD. The examination will be held in English.		
Results of the assessment of qualifications and research project	The results of the assessment of qualifications and research project, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on <b>May 30<sup>th</sup> 2025</b> on the University website at the following link: <a href="https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi">https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi</a>		
Oral examinations	Oral examinations will be held on <b>June 4th, 5th, 6th, 9th, 10th, 11th, 12th, 13th, 16th, 17th, 18th, 19th</b> and <b>20th 2025</b> from <b>10:00 a.m.</b> (Italian time)		
	The oral examination procedures will be published at the same time of the publication of the results of the assesment of qualifications and research project.		
Rankings	Only candidates with a total final score of at least 50/100 (given by the sum of the assessment of qualifications, research project and oral examination) will be eligible for the rankings.		
	Rankings will be published at the following link:		
	https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings		
Contact for academic information	https://en.unimib.it/study/doctoral-research-phd-programmes/phd-programmes/strategic-innovation-sustainable-and-smart-ecosystems-sis2e		
Further information	All PhD students are requested to conduct research at a scientific institution abroad for at least 3 months.		