

Strategic Innovation for Sustainable and Smart Ecosystems (Cod. 134R)				
Department	Economics, Management and	l 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	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)	
			n. 1 scholarship linked to the following research project: "Alliance between Education and Art for Social Innovation"	
			n. 1 scholarship linked to the following research project: "Novel Pharmacological Strategies for the Modulation of Voltage-Gated Channels: Development of New Drugs and Drug Repurposing for the Treatment of Channelopathies"	
	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
	Scholarships funded by external bodies	n. 1	within the Eni-UNIMIB Joint Center" (PROG.11) 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 Interpretability 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 (videoconference)		
Assessment of qualifications	 Grade of bachelor degree: max 3 points Grade of master degree (second cycle): max 7 points Grade of old system degree or single-cycle second level degree: max 10 points Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points Certification of joint researches and analysis: max 2 points 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. 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: 		



	Students of Master grade (second cycle): max 7 points				
	Students of old system degree or single-cycle second level degree: max 10 points				
	To access the assessment of research project a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted and will be excluded from the competition.				
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	Oral examination: 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 May 30th 2025 on the University website at the following link: https://www.unimib.it/studiare/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi				
Oral examinations	Oral examinations will be held on June 4th, 5th, 6th, 9th, 10th, 11th, 12th, 13th, 16th, 17th, 18th, 19th and 20th 2025 from 10:00 a.m. (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.				
	Start of the studies: 01.11.2025				