

ANNEX 1/f PhD program: Health Sciences XLII CYCLE – a.y. 2026-2027	
Department	Department of Health Sciences - Potenza
Coordinator	Prof.ssa Monica CARMOSINO e-mail: monica.carmosino@unibas.it
Duration	3 years
Web site	https://diss.unibas.it/site/home/info/il-post-laurea/dottorato-di-ricerca.html
Curricula	Not provided
Aims and topics	The PhD program brings together the teaching and research experiences already developed in the field of third-level education within the Department of Health Sciences and fits into the interdisciplinary sector of health sciences, including contributions from biological, medical, physical, engineering, and socio-economic sciences. The goal of this PhD program is to acquire knowledge, methodological, and technical tools to conduct, plan, and coordinate research in the field of Human Health and the Environment, as well as their mutual interactions. The program promotes an interdisciplinary approach for understanding, using, and developing innovative solutions in the promotion of human health, disease prevention, and environmental protection. The program offers the opportunity to deepen knowledge in the following areas: environment-health interaction, natural resources and protection of water resources, enhancement and reuse of solid waste, nutrition, microbiota and phytochemicals, molecular mechanisms involved in the genesis and pathogenesis of inflammation, rheumatic, cardiovascular, oncological, and musculoskeletal diseases, with identification of targeted pharmacological approaches, study of physical and fluid-dynamic processes of biomedical interest, cardiovascular, renal, and metabolic implications of innovative device applications, applications of artificial intelligence and robotics in medicine and environment-health interactions. The presence of humanities profiles within the PhD program represents an additional boost to interdisciplinarity, with the possibility of developing studies and research in the cultural, socio-economic, and epistemological dimensions of health sciences. The PhD student will therefore participate in broadly interdisciplinary research projects, where theoretical and experimental cultural training will find and a balanced synergy, enriched by opportunities to interact with national and international laboratories, allowing comparison with other study and research environments. PhD students will also be able to gain experience in work settings of Public and/or Private Entities with which the Department currently has scientific collaborations. By the end of their study cycle, PhD graduates will have acquired such a level of skills and knowledge that will make them independent in research and in proposing ideas and projects. PhD graduates should also be able to work in the field of higher education and carry out highly qualified activities related to research and development and management in private companies, institutions, and public entities.
Admission requirements	a) University degree obtained under the previous educational systems (ex ante D.M. 509/99, whose legal course has at least a four-year term); b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004); c) Academic title obtained abroad and eligible for access to the PhD program, previously recognized by academic authorities, even in the context of inter-university cooperation and mobility agreements. In the absence of such approval, the candidate must apply a request in the application form according to the Art. 3 of this call.

Available positions	3	With scholarship	Without scholarship
		3	0
Type of scholarships (Description awarding entity and research topic)	Regione Basilicata "Programma regionale Basilicata FESR FSE+ 2021-2027"	<u>2 scholarships</u> on the following topics: 1) "Natural bitter substances, delivery systems, and their application in neurodegeneration" 2) "Acute kidney injury: molecular mechanisms, biomarkers, and potential therapeutic strategies and implications for diagnostics" 3) "Climate change and water security: resilience assessment of healthcare and territorial systems" A period in a company (6 months) and abroad (12 months) is mandatory.	
	Department of Health Sciences – Project LUCAS	<u>1 scholarship</u> on the following topics: 1) "Regulation of the Immune Response in the Development of Environmentally Driven Diseases and implications for diagnostics" 2) "Cardiotoxicity induced by environmental pollutants: molecular mechanisms and biomarkers and implications for diagnostics" A period abroad (6 months) is mandatory.	
Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		0	0
Positions without scholarship	0		
Admission procedure	The admission procedure is conducted through the: a) evaluation of qualifications b) evaluation, as part of the interview, of a research project , drawn up in Italian or English using the format set out in Annex C to the call for proposals, concerning the subject of grant for which you are competing c) video conference interview using google meet		

Evaluation criteria	a) evaluation of qualifications: up to a maximum of 25 points minimum score to access the interview 15 points b) interview: up to a maximum of 75 points the interview is passed for a score not less than 45 points Minimum total score: 60 out of 100.	
Assessable qualifications	Graduation Thesis (The graduate candidate must attach a summary of the thesis, in Italian or English, of max 16.000 characters)	Up to 5 points
	Degree mark (For candidates who have not yet obtained the degree, the weighted average of the marks obtained in all the exams of the degree program, taken on the date of submission of the application for admission, will be evaluated)	Up to 16 points
	Scientific publications (Articles in national and international scientific journals, proceedings of scientific conferences, books or book chapters related to PhD topics)	Up to 2 points
	Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, post-graduate internship related to PhD topics)	Up to 2 points
Interview program	The interview, which can be held in Italian, Spanish or English, will focus on the discussion of the submitted research project and is aimed at ascertaining the candidate's scientific interests and aptitude for research. During the interview, the knowledge of the Italian language will be ascertained for foreign candidates.	
Foreign language	English (knowledge of a foreign language will be assessed during the interview)	
Schedule of the admission tests	Evaluation of qualifications: results will be available from <u>November 5, 2026</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html Day of the video conference interview: <u>November 10, 2026 – 11:00 a.m.</u>	