

ANNEX 1/d			
PhD program: AGRICULTURAL, FOREST AND FOOD SCIENCES ASSOCIATED WITH SALERNO UNIVERSITY			
XL CYCLE – a.y. 2024-2025			
Department	School of Agriculture, Forest, Food and Environmental Sciences (SAFE) - Potenza		
Coordinator	Prof.ssa Teresa ZOTTA e-mail: dottoratosafe@unibas.it		
Duration	3 years		
Web site	https://sites.google.com/unibas.it/safe-phd/		
Curricula	<ol style="list-style-type: none"> 1. Agricultural, Forest and Environmental Science 2. Food Sciences and Engineering 		
Aims and topics	<p>The objective of PhD course is to provide to the PhD students a solid preparation, in terms of both knowledge and skills of basic aspects (e.g. scientific method, ability in expression and presentation, ability to manage research projects and working groups, teaching skills) and applications (e.g. transfer and evaluation of scientific-technological innovations), in order to carry out research and management activities at qualitatively high levels.</p> <p>Specifically, the preparation of doctoral students will be focused to train figures able to:</p> <ol style="list-style-type: none"> a) develop and propose research projects to local, national or international institutions, as well as to private industries; b) identify the needs of research according to their scientific, social and economic impact; c) carry out research in one or more specific sectors of PhD course at high quality levels (including bibliographic research, planning and development of experimental activities, data analysis); d) communicate and disseminate the results of research to scientific and non-scientific community (oral communications, publications on high-impact journals); e) transfer knowledge through teaching activities to academic institutions, industries, non-scientific communities; f) transfer the results of research in public and private sectors (knowing the issues related to Intellectual Property Rights, designing spin-offs and start-ups). 		
Admission requirements	<ol style="list-style-type: none"> 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 Dm 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	8	With scholarship	Without scholarship
		7	1
Type of scholarships (Description awarding entity and research topic)	D.M. 630/2024 Basilicata University	<u>1 scholarship</u> in collaboration with "Centro di Geomorfologia Integrata per l'Area del Mediterraneo (CGIAM) – Potenza" Topic: "New advanced technologies, based on the use of remotely-sensed data to be integrated into a GIS environment, for the implementation of the Agroecology concept at farm and territorial/landscape levels. Development of automated/semi-automated processes for the inclusion of remotely-sensed data into a GIS	

		<p>environment, to enable an informed territorial, environmental and landscape planning”;</p> <p><u>1 scholarship</u> in collaboration with “Osservatorio per l’Ambiente Lucano (OPAL) - Potenza”</p> <p>Topic: “Development of advanced methodologies for the highlighting, evaluation, and representation of ecosystem services (ES); using GIS techniques, remote detection, and predictive models for the creation of integrated tools to support informed decisions on environmental and territorial issues; Expand sustainable practices for managing natural resources by implementing Payments for Ecosystem Services (PES) as an economic incentive to encourage sustainable conservation and ecosystem management”</p> <p><u>1 scholarship</u> in collaboration with “Algaebiomed Srl (RM)”</p> <p>Topic: “Biosynthesis of metabolites, deriving from selected microalgae, by biotechnological approach useful to support biocompatible and eco-sustainable crop management”</p> <p><u>1 scholarship</u> in collaboration with “Oleifici Masturzo Srl (NA)”</p> <p>Topic: “Study and definition of management protocols based on digital proximal systems for applications in innovative olive groves”</p> <p><u>1 scholarship</u> in collaboration with “Cluster Energia Basilicata (PZ)”</p> <p>Topic: “Energy transition and food systems sustainability; agri-food sector and bioeconomy to support renewable energy communities; agri-food waste valorisation for energy purposes; energy-economic efficiency of agri-food firms”</p> <p>A period in the company and abroad is mandatory.</p>
	<p>D.M. 630/2024 Salerno University</p>	<p><u>1 scholarship</u> in collaboration with “PIXAG SRL (RO)”</p> <p>Topic: “New models of sustainable agrosystems through the valorisation and recycling of waste, co-products and by-products from the primary and agro-industrial sector; climate change mitigation and circular economy”</p> <p><u>1 scholarship</u> in collaboration with “AGREEMENT SRL (MT)”</p> <p>Topic: “Precision and Digital Agriculture. Survey methods with SAPR and biogeophysical tools for the definition of sustainable agricultural systems. Applications of Artificial Intelligence to the assessment of different plant matrices”</p> <p>A period in the company and abroad is mandatory.</p>

Positions reserved for graduates in foreign universities		With scholarship	Without scholarship
		0	0
Positions without scholarship	1 A period abroad is mandatory.		
Admission procedure	<p>The admission procedure is conducted through the:</p> <p>a) evaluation of qualifications</p> <p>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/type of grant for which you are competing (Ministerial Decree 630/2024)</p> <p>c) video conference interview using google meet</p>		
Evaluation criteria	<p>a) evaluation of qualifications: up to a maximum of 25 points minimum score to access the interview 15 points</p> <p>b) interview: up to a maximum of 75 points the interview is passed for a score not less than 45 points</p> <p>Minimum total score: 60 out/100.</p>		
Assessable qualifications	Graduation Thesis (The graduate candidate must attach the entire thesis; the candidate graduating a summary of the thesis project, in Italian or English, of max 16.000 characters)	max 10 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)	max 10 points	
	Scientific publications (Articles in national and international scientific journals, proceedings of scientific conferences, books or book chapters)	max 3 points	
	Other titles (University degrees or Master Specialization)	max 2 point	
Interview program	<p>The interview, which can be held in Italian 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.</p> <p>During the interview, the knowledge of the Italian language will be ascertained for foreign candidates.</p>		
Foreign language	English (knowledge of a foreign language will be assessed during the interview)		
Schedule of the admission tests	<p>Evaluation of qualifications: results will be available from <u>August 8, 2024</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the video conference interview: <u>September 4, 2024</u></p>		