

ANNEX 1/a			
PhD program: CITIES AND LANDSCAPES: ARCHITECTURE, ARCHAEOLOGY, CULTURAL HERITAGE, HISTORY AND RESOURCES			
XXXIX CYCLE – a.y. 2023-2024			
Department	Department of European and Mediterranean Cultures: Architecture, Environment, Cultural Heritages (DICEM) - Matera		
Coordinator	Prof.ssa Antonella Grazia Maria Immacolata Romana GUIDA e-mail: antonella.guida@unibas.it		
Duration	3 years		
Web site	http://dicem.unibas.it/site/home/ricerca/dottorati-di-ricerca.html		
Curricula	Not provided		
Aims and topics	<p>The primary objective is the acquisition of an appropriate knowledge and of the effective theoretical and methodological tools that allow to operate with specific skills and disciplinary specializations and with a real multi - and interdisciplinary capability, in an aware dialogue between humanistic and technical-scientific knowledge for the study, the analysis and the interpretation of the phenomenon of cities and landscapes, with the use of innovative technologies and the design of interventions aimed at their sustainable development:</p> <ul style="list-style-type: none"> • Analysis, interpretation, diagnostics, protection, recovery, enhancement and enjoyment of the architectural, environmental, heritage, historical, cultural, artistic and archaeological assets and of the tangible and intangible heritages and related administrative functions. • Stratigraphic analysis of urban and rural contexts according to the methods of the total history and the global archeology of the landscapes . • Study of natural, energy, water resources and effects of climate change, environmental quality and adaptation strategies for natural, rural and urban systems. • Analysis of the evolutionary processes and the organizational models of the environment to small and large spatial and temporal scale, and projects for urban and landscape regeneration. • Process analysis of land instability, natural hazards, environmental and soil protection, and planning of urban, rural and coastal landscapes. • Analysis of rural and urban greening space, conservation of plant species in the natural environment and in the city. • Use of innovative technologies. 		
Admission requirements	<p>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);</p> <p>b) Laurea specialistica/magistrale (D.M. 509/99 and D.M. 270/2004);</p> <p>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.</p>		
Available positions	10	With scholarship	Without scholarship
		8	2

<p>Type of scholarships (Description awarding entity and research topic)</p>	<p>D.M. 118/2023</p>	<p>M4C1-INV.3.4</p> <p><u>1 Scholarship "Digital and environmental transitions"</u></p> <p>on one of the following topics:</p> <ol style="list-style-type: none"> 1) Digital atlas of rupestrians archaeological heritage. Tools and methods to realize a virtual platform on a Mediterranean scale; 2) Computational Approaches and Remote Sensing Techniques for the Interpretation, Monitoring and Conservation of Cultural Heritage. <p>M4C1-INV.4.1</p> <p><u>2 Scholarships "Public administration"</u></p> <p>on one of the following topics:</p> <ol style="list-style-type: none"> 1) The 20th century architecture in Matera: an experimentation laboratory for the construction of a city; 2) Modern Maratea and the Mediterranean: architecture as a medium for the re-signification of an invented landscape; 3) Recovery and enhancement of the historical heritage of Matera and Acquedotto Lucano: the water infrastructures during centuries; 4) Marginal Areas, Peripheries, and Small Towns as Laboratories of Social Innovation. <p><u>1 Scholarship "Cultural heritage"</u></p> <p>on one of the following topics:</p> <ol style="list-style-type: none"> 1) Circular economy and life cycle thinking for sustainable conservation of architectural heritage; 2) Control systems at the borders of the empire. Military architectures in the African roman context: the castra of Mauretania Tingitana. <p>A period in the company or research center or public administration and abroad is mandatory.</p>
	<p>D.M. 117/2023</p>	<p><u>1 scholarship in collaboration with the company "ZESPRI INTERNATIONAL LIMITED (New Zeland)"</u></p> <p>Topic: "Understanding cell energy metabolism rewiring strategies adopted by kiwifruit plants undergoing waterlogging and soil hypoxia: functional characterization of the molecular mechanisms occurring in roots";</p> <p><u>1 scholarship in collaboration with the company "DIGIMAT Group (Matera)"</u></p> <p>Topic: "Digital models and management approaches for architectural heritage intervention strategies";</p>

		<p><u>1 scholarship in collaboration with the company "DIOTIMA S.R.L. (Matera) e HSH Informatica e Cultura S.r.l (Matera)"</u></p> <p>Topic: "Archaeological map of Matera. Processes of data digitization on GIS platform and integrated design for the enhancement and management of the archaeological heritage".</p> <p>A period in the company and abroad is mandatory.</p>	
	<p>FABRE - Consorzio di ricerca per la valutazione ed il monitoraggio di ponti, viadotti e altre strutture (Pisa)</p>	<p><u>1 scholarship</u></p> <p>Topic: "Data analysis and management for risk assessment of existing bridges"</p> <p>A period in the FABRE and abroad is mandatory.</p>	
<p>Positions reserved for graduates in foreign universities</p>		<p>With scholarship</p>	<p>Without scholarship</p>
		<p>0</p>	<p>0</p>
<p>Positions without scholarship</p>	<p>2 A period abroad is mandatory.</p>		
<p>Admission procedure</p>	<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 and 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 118/2023, Ministerial Decree 117/2023, another specific topic)</p> <p>c) interview</p>		
<p>Evaluation criteria</p>	<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 of 100.</p>		
<p>Assessable qualifications</p>	<p>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)</p>	<p>Up to 5 points</p>	
	<p>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)</p>	<p>Up to 15 points</p>	
	<p>Scientific publications (Articles in national and international scientific journals, proceedings of scientific conferences, books or book chapters)</p>	<p>Up to 3 points</p>	
	<p>Other titles (University degrees or Master Specialization, Research Grants, Scholarships, Erasmus scholarships and periods of activity abroad, ...)</p>	<p>Up to 2 points</p>	

Interview program	<p>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.</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>September 11, 2023</u> on the website http://portale.unibas.it/site/home/didattica/dottorati-di-ricerca.html</p> <p>Day of the interview: <u>September 18, 2023 - 10:00 a.m.</u> Aula B 003 - Campus di via Lanera, 20 – Matera</p>