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UNIVERSITÀ  
degli STUDI  
di CATANIA



## Ph.D. Course Information Sheet

### 40<sup>th</sup> cycle - A.Y. 2024/2025

NAME OF THE PH.D. COURSE	<b>EVALUATION AND MITIGATION OF URBAN AND TERRITORIAL RISKS</b>
DURATION	3 years
START DATE	October 1st, 2024
LANGUAGE(S)	Italian, English
COORDINATOR	Prof. Antonino Cancelliere
PLACES IN THE PH.D. COURSE	12
SELECTION PROCEDURE	Evaluation of qualifications and research project, oral examinations

## Places and scholarships

Number of scholarships	Financial support	Research topic associated to the scholarship (if any)
3	Funds of the University of Catania	-
1	NRRP Ministerial Decree n. 629/2024 Investment 3.4 – Digital and environmental transitions	-
1	University NRRP Project Samothrace – Spoke 1	Removal and control of emerging contaminants in wastewater treatment processes for reuse
1	University NRRP Project Changes – Spoke 6	Evaluation of natural and anthropogenic risks in urban contexts and significant archaeological sites. Tools and methods for integrated hypotheses of interpretation and mitigation scenarios.
1	NRRP M.D. n. 630/2024 in collaboration with Segheria Vecchio Giuseppe e C. s.n.c.	Development of driving behaviour models for ADAS applications
1	NRRP M.D. n. 630/2024 in collaboration with Guglielmino società cooperativa	Soluzioni low cost e low carbon per i Paesi dell’Africa Tropicale <i>Low cost and low carbon solutions for tropical African countries</i>



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1	NRRP M.D. n. 630/2024 in collaboration with Xenia Network Solutions S.r.l.	Development of driving behaviour models for ADAS applications
1	NRRP M.D. n. 630/2024 in collaboration with Impresa Ernesto Stancanelli S.r.l.	Verso un futuro verde e digitale. L'approccio integrato per edifici efficienti e responsabili <i>Towards a green and digital future. The integrated approach for efficient and responsible buildings</i>
1	NRRP M.D. n. 630/2024 MADA Engineering s.r.l.	Ottimizzazione dei sistemi agrovoltaici: approcci integrati per l'agricoltura energeticamente e ambientalmente sostenibile <i>Optimization of agrovoltaic systems: integrated approaches for energetically and environmentally sustainable agriculture</i>

**One place with scholarship** is available in addition to the places with scholarship reported in table above

## Selection procedure

	MODALITY	PUBLICATION OF THE RESULTS ON THE UNIVERSITY'S WEBSITE
<b>Evaluation of qualifications and research project</b>	Candidates' presence not required	From July 19th, 2024
<b>Oral examination</b>	<b>Date:</b> From July 22nd, 2024 - <b>9.30 am (Italian time)</b> <b>Place:</b> online via Microsoft Teams Platform	From July 26th, 2024

\* \* If the number of admitted candidates does not allow the oral test to be held on a single day, a calendar will be published on the website together with the results of the evaluation of qualifications and the research project.

\* \*\* The results of the admission tests will be available on the website. Publication on the site has the value of notification. No communication will be sent to candidates via email.



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## Documents to be annexed to the application

Only documents drawn up in **Italian, English or French** will be considered valid and evaluated by the Commission. For identity documents and qualifications issued in a different language, a sworn and certified translation into Italian, French or English made by an authorized body or the University that issued the qualification must be attached.

MANDATORY DOCUMENTS TO BE SUBMITTED WITH THE APPLICATION FORM	
<b>Identity document</b>	Scan of a valid identity document in accordance with the provisions of Art. 35 c.2 D.P.R. 28 December 2000 n. 445 and subsequent amendments: "The passport, the driving license, the boat license, the pension booklet, the license to operate heating systems, the firearms license, the identification cards, provided that they have a photograph and a stamp or other equivalent signature, are equivalent to the identity card, issued by a state administration."
<b>Curriculum Vitae</b>	No specific format is required. The CV must be dated and signed (the signature will be valid only if handwritten or digital). Candidates who submit CVs without a signature will be excluded from the selection.
<b>Qualifications</b>	See Call for applications with particular reference to art. 3, paragraph 4
<b>Progetto ricerca</b>	Research project a) divided into: state of the art; description of the project; expected results; articulation of the project and implementation times; proposed criteria for the verification of the results achieved; Concise bibliography. b) maximum length of 25,000 characters, including title, spaces, formulas, bibliography
<b>Publications</b>	- List of any scientific publications (indicate DOI number, ISBN/ISSN)
<b>Documents certifying the knowledge of the foreign language, if any</b>	- Any certificate, attesting to the knowledge of a foreign language in the E.U., issued by a legally recognized institution (by way of example but not limited to: TEOFL, IELTS, Cambridge Exol, DELF, DELE, KEG, Goethe Institut, etc.)
<b>Documents certifying computer skills</b>	- Any documents certifying computer skills
<b>Documents relating to further training courses</b>	- University Master of I or II level - Specialization and/or Higher Education courses in subjects related to the research fields covered by the PhD Course - Scientific research, of any type (basic, oriented, finalized, translational, applied, etc.) and carried out in any capacity, including holding research grants and participation in research projects; - Additional Master's degree

## Selection procedure criteria



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The assessment is expressed through the attribution of an overall score, as established by art. 5 of the call for applications, to which reference should be made.

1. **Evaluation of qualifications and research project** : minimum score to be admitted to the oral examination: 40 points, maximum 60 points
2. **Oral examination** – minimum to pass the examination: 40 points, maximum 60 points