

TABLE 6 – PhD Programme in ENVIRONMENTAL AND ENERGY ENGINEERING SCIENCE

THE PhD PROGRAMME	
Administrative location	University of Udine - Polytechnic Department of Engineering and Architecture (DPIA) - via delle Scienze 206, 33100 Udine, ITALY (tel. +39 0432 558253).
Associated location	-
Location for training, teaching and research activity	Teaching and other training activities will take place primarily at the administrative programme location or in other locations of the University of Udine. The research program will be mainly developed, with reference to the scholarship (see art. 11 and 14 of the Call) and/or to the supervisor assigned, at one of these locations: administrative location, financial supporter's location (if the financial supporter is an external institution).
Coordinator	prof. Cristian Marchioli (cristian.marchioli@uniud.it)
Programme duration	3 years
Research topics	<ul style="list-style-type: none"> – Energy efficiency and sustainability of machines, processes and plants; – Materials for energy and/or environmental applications; – Catalysis Science and Technology; – Energy transport, conversion, storage and distribution; – Safety engineering and emergency management; – Chemical technologies and processes for energy and environment; – Computational transport phenomena; – UNESCO Chair - Safety for Disaster Risk Reduction and Resilience. <p>The PhD Programme cooperates with the UNESCO Chair in Intersectoral Safety for Disaster Risk Reduction and Resilience.</p>
Research programmes	The research programs, if not already defined by funding organizations or specific funding lines (see "Available positions and Examinations procedures", art. 3 p. 5 of the Call) are determined by the Teaching Board within the research topics.
Course website	https://www.uniud.it/en/research/do-research/doctorate-res/our-ph-d-programmes/area-physical-science-and-engineering/environmental-and-energy-engineering-science/ph-d-programme/environmental-and-energy-engineering-science?set_language=en https://phd.diegmi.uniud.it/ees-phd/

ADMISSION REQUIREMENTS	
Required degree	Italian Laurea (before DM 509/99) or Italian Laurea specialistica/magistrale (ex DM 509/1999 and DM 270/04) or equivalent degree obtained abroad. Foreign degrees and titles: refer to art. 4 and 5 of the Call.
Knowledge of the following foreign language	English

DOCUMENTS AND QUALIFICATIONS TO BE ATTACHED TO THE APPLICATION FOR ADMISSION	
Mandatory documents (art. 6 of the Call) UNDER PENALTY OF EXCLUSION	<ol style="list-style-type: none"> 1. Certification or self-certification (pursuant to art. 6 c. 5 of the Call) of the academic qualification for admission to the doctoral program (Italian Laurea Specialistica/Magistrale or Italian Laurea before DM 509/99 or foreign degree); 2. Curriculum vitae et studiorum, dated and signed; 3. Copy of a valid identity document (citizens of countries not belonging to the European Union a copy of a valid passport, comprehensive of the pages containing the holder's photo, personal details, passport number, date and place of issue, date of expiry); 4. Research project, dated and signed, developed under the research topics listed in "Positions available and examinations", art. 3 p. 5 of the Call (approximate limit 10,000 characters, included spaces, in English); 5. Motivational letter, dated and signed, by which the applicant explains the reasons for admission to the PhD programme (approximate limit 2,500 characters, included spaces).
Optional documents (art. 6 of the Call)	<ol style="list-style-type: none"> 1. Master thesis ("Tesi di Laurea") associated to the degree/title providing access to the PhD programme. Applicants who are not graduated on the expiration date of this Call can submit an extended abstract in place of the complete thesis, in Italian or English, signed by themselves and by their thesis Supervisor (approximate limit 10,000 characters, included spaces); 2. Publications (max 2); 3. Letters of reference (max 2), from university professors, scientific researchers or other experts in the field (art. 7 of the Call).
All titles must be submitted exclusively in PDF format, dated and signed by the candidate.	

SELECTION COMMITTEE	
Appointed members	Francesco Andreatta – Associate Professor – University of Udine Giovanni Cortella – Full Professor – University of Udine Paola D'Agaro – Associate Professor – University of Udine Cristian Marchioli – Full Professor – University of Udine Andrea Melchior – Full Professor – University of Udine



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Substitute members	Alessio Roccon – Researcher – University of Udine Stefano Savino – Associate Professor – University of Udine Daniele Zuccaccia – Associate Professor – University of Udine
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ADMISSION

Competition procedure and test schedule

Evaluation of qualifications and oral examination.

For the evaluation of applicants' attitude for scientific research and their basic skills to tackle the course program, the Selection Committee can attribute up to 100 points to each applicant: max 30 points to the titles and max 70 points to the oral examination. The applicant is admitted to the oral examination if his/her titles receive at least 21 points. The oral examination is passed with at least 49 points. The applicant is eligible to the PhD programme if he/she passes the oral examination. Only for eligible applicants, the points attained in the oral examination will be added to the points of the titles.

Language that can be used for the exam	Italian or English	
Evaluation Criteria of qualifications <i>During the preliminary meeting the Selection Committee may establish sub-criteria for the evaluation</i>	Curriculum vitae et studiorum	<i>max.11</i>
	Research Project	<i>max.7</i>
	Scientific publications	<i>max.2</i>
	Thesis/Abstract	<i>max.4</i>
	Letters of reference	<i>max.2</i>
	Motivational letter for admission to the PhD programme.	<i>max.4</i>
Oral examination	The oral examination takes place in presence (art. 9 p. 4 of the Call). Interview based on technical, motivational and scientific discussion.	