

PhD in Understanding and Managing Extremes (UME)

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Scientific fields	ICAR/09, ICAR/08, ICAR/07, ICAR/02, ICAR/03, GEO/04, GEO/11, FIS/05, FIS/06, IUS/02
Brief description	<p>The PhD in Understanding and Managing Extremes is a 48-months full-time joint Programme with Università degli Studi di Pavia. The UME PhD aims to train graduates and professionals with strong scientific and professional capabilities, aware of the cultural, technical and management contents related to the understanding and management of the extreme situations caused by natural disasters. The key areas of study of the curriculum "Earthquake Engineering and Engineering Seismology" include topics related to seismology, geophysics, geology, geotechnics, mechanical behavior of materials and structures, structural analysis, design of new structures, assessment and retrofit of existing structures. The broad and interdisciplinary curriculum "Weather, geological, chemical and environmental risk" includes, in addition to the basics of physics, fluid mechanics, climatology, environmental monitoring and climate change, issues related to the specialization areas of "soil-atmosphere", "ocean-atmosphere" and "assessment and management of chemical risks" for devising meaningful damage and risk scenarios and for identifying efficient risk mitigation strategies.</p> <p>For more information: www.iusspavia.it</p>
Language	English
Duration	4 years
Number of positions available	<p>9 positions of which:</p> <ul style="list-style-type: none"> - 5 with scholarship funded by IUSS, of which 1 on the Project "Dipartimenti di Eccellenza" - 4 with scholarship funded by EUCENTRE, of which one funded on the project "Risk reduction driven design and seismic assessment of critical infrastructures".
Submission deadline for the online application	9 March 2020 at 13:00 (CET)
Mandatory documentation to be attached to the online application	<p>a) A PDF copy of a valid identity document;</p> <p>b) Self-certification of the MSc Degree Certificate (in case of Italian or UE educational qualification) OR copy of the MSc Degree Certificate (NON-EU educational qualification);</p>
Qualification assessment	<p>c) Academic and professional CV;</p> <p>d) <i>Diploma Supplements</i> (or similar documents) of "Diploma di Laurea Triennale"/BSc Degree and "Diploma di Laurea Magistrale"/MSc Degree;</p> <p>e) Scientific publications (and list of relevant publications);</p> <p>f) Up to three reference letters (to be sent by the referees following the online application procedure);</p> <p>g) Any other academic or professional qualifications that the candidate deems relevant to the programme.</p>
Interview and	The selection will be performed through the assessment of the qualifications listed in

evaluation	the section “Qualification assessment” (maximum 50 points) and through an interview (maximum 50 points). The Selection Board will therefore award a final score from 1 to 100 .
	<p>The Selection Board will assess the submitted scientific qualifications awarding a score up to 50 points. The candidates obtaining a score of at least 36/50 in the assessment phase, will be accepted to the interview. Candidates are not required to be present during the assessment of qualifications.</p> <p>The interview may also be carried out on line through a videoconference, as long as the candidate can be identified. The interview will entail a discussion about the scientific background and skills of the candidate and about the research that the candidate would like conduct with the aim of ascertaining the candidate’s vocation and aptitude for research. Candidates obtaining a score below 36/50 in the interview will not be part of the ranking list, hence not admitted to the programme.</p> <p>The School will notify scholarship holders of their admission to the programme using the e-mail address provided in the application.</p>
Test schedule	<p>The results about the evaluation process will be published on the IUSS website http://www.iusspavia.it.</p> <p>The interviews will be carried out on April 15, 2020 from 9:00 a.m. at the “Fondazione EUCENTRE”, Via Ferrata n. 1, 27100, Pavia.</p>
Information	e-mail: postlaurea@iusspavia.it , secretariat@umeschool.it