Allegato n. 9

ENVIRONMENTAL PHENOMENA AND RISKS	
Positions offered	INTERNATIONAL CURRICULUM 4 with funding from the Parthenope University 1 with funding from the Parthenope University specifically reserved to a student holding a foreign degree 1 without funding INDUSTRIAL CURRICULUM 2 positions reserved to employees of private companies Azienda NEXT GEOSOLUTION e Azienda Tecnoin Geosolutions
Deadlines for the application submission	27th August 2021
Duration of the PhD course	Three years, starting on November 1st, 2020
PhD Course in convention with foreign universities	PhD course in convention with the University of Cadiz – Spain and with the University of the Aegean – Greece
Participating institutions	University of Cadiz – Spain, University of the Aegean – Greece
(Italian academic) Scientific Sectors	GEO/12, ICAR/01, ICAR/02, ICAR/06, ICAR/07, ICAR/08, ICAR/09, ICAR/19, GEO/02, GEO/04, CHIM/12, INF/01
Objectives of the PhD course	The theme of this PhD course is the study of a wide range of environmental phenomena, the potential risks associated with them and the methods for their mitigation. The topic is highly interdisciplinary and requires the convergence of tools and expertise from different scientific fields and disciplines. Starting from the climate, understood as a complex of phenomena at multiple scales that develop within atmosphere, hydrosphere, cryosphere, biosphere, lithosphere, it will focus on the effects of the phenomena in terms of individual potential negative fallout on people and production capacity, as well as on the hazard assessment, on the vulnerability of the elements at risk, on possible integrated strategies for mitigation. Topics of basic and applied research in the fields of oceanography, meteorology, climatology, geology, will therefore be considered, as well as their interactions in cases of environmental pollution, hydro-geological risk and similar issues; they will be joined by disciplines more directly related to the assessment and mitigation of risk, such as maritime and hydraulic engineering, geotechnical and structural engineering and geomatics, together with issues related to the methods of experimental investigation, monitoring and control of the territory .

	All above disciplines will provide the scientific and technical knowledge necessary to design actions to mitigate the most serious natural hazards, both with structural protection and soil conservation, and using non-structural measures for improving the security of land and of land-based activities. The PhD program is intended to train professionals capable of being competitive in research (universities, research institutes, public and private) and employment market (Public Administration, Science and Technology Parks, Research Consortia, National Agencies and Regional Authorities for the Environment, River Basin Authorities, small and medium-sized enterprises, etc ...) at national and international level. To ensure maximum adaptability to the variety of profiles required in the labor market we will promote the ability to work in teams, the knowledge of foreign languages, the ability to manage interdisciplinary knowledge, including environmental law.
Coordinator	Prof. Enrico Zambianchi
Participation requisites	Possession, on October 31st 2021, of one of the following qualifications: - "laurea specialistica" or "laurea magistrale" awarded in accordance with DM 509/1999 and subsequent amendments and additions; - "laurea" or "diploma di laurea" awarded in earlier courses of study (whose legal course has a duration of at least four years); - Master's degree granted from a Spanish or Greek University; - An equivalent Batchelor's + Master's degree from a foreign university. In the latter case, if the title has not already been officially declared equivalent to the required Italian degree, the decision on admission is solely demanded to the Commission.
Curriculum evaluation	Admission will be structured in two phases: The first will consist of an evaluation of the candidate's curriculum vitae et studiorum. Candidates are requested to provide a list of courses taken and exams passed (with marks) in the course of the Batchelor's and Master's studies. A maximum score of 60 points may be awarded in this phase; the minimum score to be admitted to the oral test is 35 points
Written admission test	No written test is planned.
Oral admission test	The oral examination is scheduled for September 22nd, 2021, and will consist in an interview that will focus on the curriculum presented by the candidates, their qualifications and any publications. In the interview a good knowledge of the English

	language will also be ascertained. A maximum score of 40 points may be awarded in this phase. A minimum of 25 out of 40 points is needed to be included in the final ranking.