

Earth and Marine Sciences

Cycle	39°
Director	Prof. Paolo Ciavola (paolo.ciavola@unife.it) Department of Physics and Earth Science
Duration	3 years
International features	Joint PhD Programme in "Earth and Marine Sciences" with the University of Cádiz
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/earth
Qualification required for admission	Equivalent Italian degree known as "Laurea specialistica/magistrale" or a degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270; Master's (second level) degree, or an equivalent foreign academic qualification awarded abroad

Assessment Criteria

Evaluation of qualification: maximum score **40** points. Minimum score required to be admitted to the interview **30/40**

Interview: maximum score **40** points

Minimum final score required: 60/80

During the interview, the applicant's knowledge of the following languages will be tested.

English

List of assessable credentials

Curriculum studiorum	<p>Mandatory documents:</p> <p>Complete academic career (Bachelor, Masters degrees) information with certifications or self-declarations with a list of examinations and grades and final marks, for Bachelor and Masters degrees;</p> <p>Thesis abstract – (max length 5 pages), with the following structure: motivation, research methodology and results (obtained or expected), bibliography. Only for undergraduates students the abstract must be signed by the supervisor.</p>	Up to 22 points
Research Project	<p>Short text – max. length: 3 pages - in English, Italian or Spanish which must contain an original proposal for a research project, with the following structure: introduction to the scientific international context, relevance of the topic, expected results, argumentation</p> <p><i>The mentioned project is not binding regarding the subsequent choice of the doctoral thesis, except for the positions with defined themes. If applying for scholarships with a specific theme, the coherence of the research project with the theme is a requirement for evaluation. Therefore, the research project must necessarily relate to the topic of interest, or else the application will be excluded.</i></p> <p><i>If admitted to the doctoral program, the candidate will pursue research training and the thesis consistently with the reported theme. It is possible to apply for a maximum of 2 scholarships with defined themes by submitting 2 distinct research projects as a mandatory requirement.</i></p>	Up to 12 points
Scientific	Mandatory documents:	Up to 2

Publications	<i>In extenso</i> copy of abstracts presented to meetings or congresses; OR File with the full list of the publications and relevant link.	points
Reference Letters	Maximum 2 letters supporting the candidature from teaching staff of the candidate's home university or other universities, or from non-academic experts in the research field of interest.	Up to 2 points
Other Academic or Professional qualifications	International linguistic certificates; Certified working experiences in the field; Other academic qualifications	Up to 2 points
Interview agenda/program		
Presentation of the research project and assessment of language proficiency.		
Examination Timetable		
Evaluation of qualifications and interview will take place within the 19 th of September 2023. Evaluations' results, the beginning date for consulting the evaluations' results and the interview schedule will be available within the present call deadline at the following page: https://www.unife.it/studenti/dottorato/it/concorsi/esiti-prove-concorso-di-dottorato-per-il-ciclo-39deg		

TOTAL AVAILABLE POSITIONS	6
With scholarship	4
Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs	2

Regular positions with scholarship		
N°	<i>Funding institution</i>	<i>Research topic or area (if applicable)</i>
2	Università degli Studi di Ferrara	
1	Regione Emilia-Romagna – PR FSE+ 2021/2027	Integrated geochemical and geophysical approach for water and soils monitoring to prevent the effects of drought: cases in the Ferrara territory.

Positions funded under Ministerial Decree No. 117/2023 Innovative PhDs for Enterprises - M4C2 I. 3.3 CUP: F73C23000620006		
N°	<i>Funding company</i>	<i>Research topic</i>
1	Co-funded by Diemme	Modelling of sludge dewaterability and the effects of pretreatment chemicals on sludge filterability based on quantitative mineral phase analyses