

EARTH SCIENCES		
Cycle	XXXII	
Duration	3 years	
Coordinator	Prof. Fulvio CELICO – Department of Physics and Earth Sciences “Macedonio Melloni” email: fulvio.celico@unipr.it	
Research Topics (the applicant MUST indicate one research topic)	<ul style="list-style-type: none"> Understanding the Sulphur genesis: a new contribution from the Messinian evaporites in the Mediterranean; Fracture pattern characterization in carbonate rocks by integrating field and digital outcrop model data; Multiscale analysis of brittle deformation in faulted carbonate rocks; Contaminant transport in heterogeneous media: experimental analysis and numerical modeling; Experimental analysis of fluid flow in low permeability media affected by landslide problems; Carbon and oxygen isotope analysis in shells of freshwater mollusks and their palaeoclimatic application in archaeological sites. 	
Training objectives	The PhD students in Earth Sciences will carry out experimental activities and classes in several fields of the Geosciences, using both classic and innovative approaches.	
Academic degree required	Laurea pursuant to the previous university system, laurea specialistica or laurea magistrale, or a foreign academic qualification that has been recognized as equivalent.	
POSITIONS PUT OUT TO COMPETITION		
With Scholarship	5	
TOTAL	5	
KIND OF SCHOLARSHIP		
N°	<i>Funding entity</i>	<i>Research Topic, if any</i>
1	Scholarship Ministerial funds	--
1	Scholarship University funds	--
2	Funded by Department of Physics and Earth Sciences	--
1	Co-funded by Fondazione Cariparma	--
ADMISSION PROCEDURES		
Assessment of QUALIFICATIONS: up to 40 points ORAL EXAM: up to 80 points Minimum score for ELIGIBILITY: 70/120		
Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.	

<p align="center">Possibility of videoconference for candidates residing abroad (the relevant request shall be submitted using the form attached to the competitive examination announcement)</p>		YES
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH		
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
Graduation thesis	Abstract of the graduation thesis (mandatory qualification)	Up to 10 points
Graduation mark	Score based on the graduation mark <ul style="list-style-type: none"> - 110 and 110 with honours: 10 points; - from 107 to 109: 9 points; - from 105 to 106: 7 points; - from 100 to 104: 5 points; - from 95 to 99: 2 points; - under 99: 1 point 	Up to 10 points
Average of exam marks (if the candidate is enrolled subject to condition)	Score relating to the mark average: <ul style="list-style-type: none"> - from 29 to 30: 10 points; - from 27 to 28,9: 9 points; - from 26,5 to 26,9: 7 points; - from 26 to 26,4: 5 points; - from 25 to 25,9: 2 points; - under 99: 1 point 	Up to 10 points
Curriculum Vitae et studiorum and other qualifications	Including academic career and postgraduate experience, accompanied with a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark (mandatory qualification)	Up to 15 points
Research Project	The research project shall consist of a maximum of 3 pages, be written in Italian or in English, focus on an original research topic and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, argumentation. <u>It shall amount to no commitment on the subsequent choice of the doctoral thesis</u>	Up to 3 points
Reference Letters	Maximum 2 letters written by University Teachers, Researchers, Heads of Italian and foreign Research Centers, persons in charge of research/tutoring activities	Up to 2 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	<p>ORAL EXAM DATE: 19 September 2016 TIME: 9:30am PLACE: Department of Physics and Earth Sciences "Macedonio Melloni" – Plexus of Earth Sciences Parco Area delle Scienze, 157/A – 43124 PARMA, ITALY</p>	
Oral Exam topics	The Oral Exam will be structured so as to verify the candidates' background and maturity, with specific focus on their Laurea Graduation Thesis and on the research project submitted by the candidates.	
OTHER INFORMATIONS	For foreign candidates, the Oral Exam may be held in English at the candidate's choice.	

