



EARTH SCIENCES		
Cycle	XXXIII	
Duration	3 years	
Coordinator	Prof. Fulvio CELICO – Department of Chemistry, Life Sciences and Environmental Sustainability – E-mail: fulvio.celico@unipr.it	
Research Topics (the applicant MUST indicate one research topic)	<ul style="list-style-type: none"> • Experimental approaches to analyse hydrocarbon biodegradation and well clogging in heterogeneous contaminated sites • Multidisciplinary approaches to analyse groundwater flow processes in heterogeneous low-permeability media • Sensitivity analysis on novel concept geo-resistivimeters to study and model subsurface fluids circulation • Quantitative brittle deformation analysis in folded carbonate rocks • Physical stratigraphy and biostratigraphic characterization of Helminthoid Flysch turbidite facies by means of calcareous nanofossils (northern Apennines, Italy) • Isotopic mapping of milk and groundwater in the Parmigiano Reggiano production area for the purposes of food traceability <p>Research Topic reserved to holders of scholarship from BRAZIL</p> <ul style="list-style-type: none"> • Sin- to post-rift tectonic evolution of Rio do Peixe basin, Brazil 	
Training objectives	The main goal of the PhD course in Earth Sciences is the scientific and professional growth in different geological disciplines	
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	
Reserved to holders of scholarship funded by foreign States	1	
TOTAL	6	
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 Life Sciences and Environmental Sustainability	--



1	Co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> Isotopic mapping of milk and groundwater in the Parmigiano Reggiano production area for the purposes of food traceability
Positions reserved to holders of scholarship funded by foreign States		
N°	Universities or Foreign State	
1	Position reserved to holders of scholarship from BRAZIL	
ADMISSION PROCEDURES		
<p>Assessment of QUALIFICATIONS: up to 40 points (a minimum score of 20 points shall be required to be admitted to the Oral Exam)</p> <p>ORAL EXAM: up to 80 points</p> <p>Minimum score for ELIGIBILITY: 70/120</p>		
Foreign Language	<p>Language the fluency of which shall be assessed during the Oral Exam: ENGLISH.</p> <p>The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.</p>	
<p>Possibility of videoconference for candidates residing or temporarily abroad (the relevant request shall be submitted using the form attached to the competitive examination announcement)</p> <p style="text-align: center;">THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>		YES
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
Graduation thesis	Abstract of the graduation thesis (mandatory qualification)	Up to 10 points
Graduation mark	<p>Score based on the graduation mark</p> <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 95: 1 point 	Up to 10 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2017)	<p>Score relating to the mark average:</p> <ul style="list-style-type: none"> - from 28 to 30: 10 points - from 27 to 27,9: 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 25: 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 does not represent a constraint with respect to the following choice of the doctoral thesis</u>	Up to 3 points
Reference Letters	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities	Up to 2 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	ORAL EXAM DATE: 19 September 2017 TIME: 09:30am PLACE: Plexus of Earth Sciences Parco Area delle Scienze, 157/A – 43124 PARMA - ITALY	
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 INFORMATION	For foreign candidates, the admission examinations may be held in English at the candidate's choice.	