



EARTH SCIENCES	
Cycle	XXXVI
Coordinator	Prof. Mario TRIBAUDINO Department of Chemistry, Life Sciences and Environmental Sustainability email: mario.tribaudino@unipr.it
Duration	3 years
Starting date of the PhD program	01/11/2020
Research Topics	
<ul style="list-style-type: none">• Depositional architecture, hierarchical classification and development models of turbidite lobes in foredeep basins• Planktonic foraminiferal high-resolution quantitative biostratigraphy of upper Aquitanian-Burdigalian open ocean successions and implication for the definition of the Burdigalian GSSP.• Ocenic accretionary prism and continental collision with examples from Ionian Sea and Northern Apennines• Development of potential data loggers and implementation of numerical methods for the processing and analysis of passive electrical signals applied to soil defense and geologic hazard mitigation.• Analysis and modelling of hydro-geomorphological processes related to sediment management and solid• The role of geology and geochemistry in the geographical traceability of wine using B, H, O and Sr stable isotopes.	
Training Objectives	
The Ph.D. in Earth Sciences aims to introduce the student to high quality research in the different fields of Earth Sciences.	
Admission requirements	
Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none">- Laurea specialistica or Laurea magistrale (second cycle master's degree)- Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);- Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2020 .	
POSITIONS PUT OUT TO COMPETITION	
With Scholarship	5
TOTAL	5



Positions with University Scholarship		
N°	Funding entity	Research Topic, if any
3	Scholarship Ministerial funds	---
1	Scholarship co-funded by Fondazione Cariparma	---
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 11 of the Call for applications)		
<p>During the Oral Exam, applicants may express their interest in being assigned a scholarship dedicated to a specific research topic to the Examination Board. The Board will express its judgement on eligibility to be assigned the scholarship in consideration of the specific competences, experience and specific aptitudes of the applicants.</p>		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Funded by the Department of Chemistry, Life Sciences and Environmental Sustainability	– Depositional architecture, hierarchical classification and development models of turbidite lobes in foredeep basins
ADMISSION PROCEDURES		
<p>Assessment of QUALIFICATIONS: up to 40 points (a minimum score of 15 points shall be required to be admitted to the Oral Exam) ORAL EXAM: up to 80 points Minimum score for ELIGIBILITY: 70/120</p>		
Foreign Language	<p>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 translating of a paragraph of scientific text</p>	
APPLICANTS SHALL TAKE THE EXAM REMOTELY.		
<p>For further details please refer to the relevant provision laid down in art. 7 of the Call for applications.</p>		
<p>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</p>		
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
Mandatory documents to be attached to the on-line application		
<ul style="list-style-type: none"> – ANNEX A (art. 5 of the Call for Applications) – Scanned Copy of a valid identification document with photo – Curriculum Vitae et studiorum (art. 4 of the Call for Applications) – Abstract of the second cycle master's degree thesis. Undergraduate applicants may submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces) – Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held: (art. 4 of the Call for Applications): <ul style="list-style-type: none"> ○ University that granted the degree ○ Type of degree (first cycle/second cycle/single cycle) ○ Name of the degree program ○ Date of graduation ○ Final mark ○ List of exams and corresponding scores (academic transcript of records) ○ Translation into Italian or English (only for degrees issued in languages other than Italian or English) 		



Further qualifications that may be attached to the application, if in possession of the applicant (only qualifications attested by a document drawn up in Italian or in English)

- **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, experimental procedure, expected results;
it does not represent a constraint with respect to the following choice of the doctoral thesis, that shall be defined together with the supervisor and approved by the Academic Board;
- **Statement of Research Interest:** Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD programme and at describing the specific her/his research interests, assessed in the curriculum vitae;
- **Scientific Publications:** Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.
- **Abstracts of papers or posters presented at conventions or meetings**
- **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;
- **Academic qualifications:** First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program
- **Mobility experience abroad** (e.g. Erasmus or similar);
- **Any other document** certifying the applicant's training and abilities (grants, awards, etc.)

EVALUATION CRITERIA

QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, Master's and/or specialization degree, mobility experience abroad	Up to 10 points
Graduation mark	Score related to the final mark: - 110 and 110 with honours (magna cum laude): 5 points - from 107 to 109: 4,5 points - from 105 to 106: 3,5 points - from 100 to 104: 2,5 points - from 95 to 99: 1 point - under 95: 0,5 points	Up to 5 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2020)	Score related to the average of the exam marks: - from 28 to 30: 5 points - from 27 to 27.99: 4,5 points - from 26.5 to 26.99: 3,5 points - from 26 to 26.49: 2,5 points - from 25 to 25.99: 1 point - under 25: 0,5 points	Up to 5 points
Graduation thesis	Scientific quality of work performed and consistency of the Master's Degree thesis with the doctoral program research topics	Up to 10 points



Research Project	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"> ○ Scientific value and originality of the proposal and consistency with the doctoral program research topics: 6 point ○ description and structure of the proposal: 2 points ○ proposal feasibility: 2 points 	Up to 10 points
Scientific publications	<ul style="list-style-type: none"> – Abstract presented at a national or international congress: 1 point – Articles on scientific journals (ISI): 3 points – Other publication (related to the topics of PhD program): 1 point 	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
ORAL EXAMINATION	EVALUATION CRITERIA	POINTS
The ORAL EXAM includes the presentation of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> ○ knowledge of foreign languages: 5 points ○ research project presentation: 50 points ○ general knowledge of issues connected to the PhD course: 25 points 	Up to 80 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE	16 September 2020 (with possible extension in the following days)
	TIME	09:00 am (Italian time)
	PLACE	remotely using the Microsoft Teams platform
OTHER INFORMATION	For foreign candidates, the admission examinations may be held in English at the candidate's choice.	