





CIVIL ENGINEERING AND ARCHITECTURE	
CYCLE	XLI
COORDINATOR	Prof. Andrea SPAGNOLI email: andrea.spagnoli@unipr.it DEPARTMENT OF Engineering and Architecture
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/11/2025
AVAILABLE POSITIONS	7
ADMISSION METHODS	Assessment of qualifications and research project Oral Examination in PRESENCE or REMOTELY
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 Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by 31.10.2025 .
TRAINING OBJECTIVES	
To develop specialized skills in the following fields: <ol style="list-style-type: none">(1) Infrastructure and Environmental Engineering: civil infrastructures for transport; survey, management, and analysis of land data, control and monitoring of displacements and deformations at all scales; issues related to surface waters and groundwater;(2) Structural and Geotechnical Engineering: mechanical behaviour of materials, structural components and structures; behaviour of soils and geotechnical structures;(3) Architecture and Urban Planning: theoretical, formal, distributional and functional aspects in architecture; the problems related to methods for survey and to computer-graphics in architecture; issues related to the implementation and the development of urban settlements; historical, artistic, technical and aesthetic themes in the architecture of the past.	
RESEARCH AREAS OF THE DOCTORAL COURSE (the candidate MUST mandatorily select one research area in the ANNEX A and present a research project in the selected area)	
<ul style="list-style-type: none">• Infrastructure and Environmental Engineering• Structural and Geotechnical Engineering• Architecture and Urban Planning	

Posti con Borsa di Studio		
N°	Position with Scholarship	Research Topic, if any
3	Scholarship funded by University of Parma (University funds)	
1	Scholarship co-funded by Fondazione Cariparma	



Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by VE.I.CO.PAL. S.r.l.	OPUS - Optimisation of micropiles' design for the sustainable use of building materials
1	Financed by REGIONE EMILIA ROMAGNA (PR.FSE + 2021/2027 – DGR n. 2072 del 04/11/2024) – CUP D92J25000010006 	POSEIDON - Predictive and Operational System for Efficient Identification and Dynamic Observation of Floods under Climate Change Scenarios
1	Financed by REGIONE EMILIA ROMAGNA (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Artificial Intelligence support for efficient pavement management and maintenance planning

ADMISSION PROCEDURES

Assessment of QUALIFICATIONS: up to 70 points

(a minimum score of 40 points shall be required to be admitted to the Oral Exam)

ORAL EXAM: up to 50 points

Minimum score for ELIGIBILITY: 70/120

ORAL EXAMINATION INDICATION

Applicants admitted to the ORAL EXAM can take it either in PRESENCE or REMOTELY in Audio and Video Teleconference
(Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)

The ORAL EXAMINATION includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of research areas related to the PhD course.

Foreign language	ENGLISH	The language for which the fluency must be assessed during the Oral Examination. The assessment of knowledge of this language will be oral and will consist in reading and translating a scientific text.
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SCHEDULE OF THE ADMISSION EXAMS

EVALUATION OF QUALIFICATIONS	It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page http://unipr.esse3.cineca.it/ in the days preceding the date of the Oral Exam.	
ORAL EXAM	DATE	8 September 2025, with possible extension to the following day
	TIME	09:30 AM (Italian Time)



OTHER INFORMATION	PLACE	Department of Engineering and Architecture Parco Area delle Scienze, 181/A 43124 PARMA - ITALY
		<p>The choice of the research area to be expressed in Appendix A is not binding on the assignment of the PhD research topic, but is intended to assess the candidates' skills during the admission examination. The PhD research topic will be assigned by the Board of Lecturers.</p> <p>For foreign candidates, it is possible to take the admission tests in English only. For Italian candidates, it is possible to take the admission tests in Italian or English, at the candidate's choice.</p>

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT

MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION

ANNEX A	(art. 3.2 of the Competition Notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Academic Qualifications	<p>Certificates and academic transcript of records for both Bachelor' and Master' degrees containing the following details for each degree held (art. 3.2 of the Competition notice):</p> <p>University that granted the degree - Type of degree (first cycle/second cycle/single cycle)</p> <p>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).</p>
Research Project	<p>The research project shall consist of a maximum of 3 pages, be written in Italian or in English, and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results. The project must focus on an original research topic (unpublished, personally developed by the candidate) related to the topics listed in https://corsi.unipr.it/en/phd-ica/tematiche-di-ricerca. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project.</p> <p><u>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.</u> Il Progetto di Ricerca non costituisce vincolo alla successiva scelta del tema di ricerca di dottorato, che sarà assegnato dal Collegio dei Docenti.</p>
Statement of Research Interest	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests

FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT

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. The reference letters must sent directly by the signer to the address e-mail: spagnoli@unipr.it . Reference letters sent directly by the candidate or received in any other way will not be evaluated.
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Scientific Publications	A maximum of 2 articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. Mandatory: Statement of Research Interest Not mandatory: Reference Letters	Up to 30 points
Graduation mark	---	Up to 5 points
Average of the exam marks (if the candidate will attain the degree no later than 31st October 2023)	---	Up to 5 points
Graduation thesis	Consistency of the Master’s Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae by attaching the abstract of the degree thesis or draft of the thesis approved by the supervisor)	Up to 6 points
Research Project		Up to 25 points
Scientific Publications		Up to 4 points
ORAL EXAM		
Interview program	Evaluation CRITERIA	POINTS
The ORAL EXAM includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of research areas related to the PhD course	<ul style="list-style-type: none">○ knowledge of the foreign language○ research project presentation○ general knowledge of research areas related to the PhD course	Up to 50 points