

DOCTORAL PROGRAMME

IN

MATHEMATICS, COMPUTER SCIENCE, STATISTICS

Coordinator prof. Paolo Salani

SCIENTIFIC AREA	
ADMINISTRATIVE OFFICE	Department of Mathematics and Computer Science "U. Dini"
PARTNERS INSTITUTIONS	University of Perugia Istituto Nazionale di Alta Matematica "F. Severi" (INDAM)
CURRICULA	<ol style="list-style-type: none"> 1. Mathematics 2. Computer Science 3. Statistics
<p>POSITIONS AVAILABLE: 14 Positions with Scholarship: 12 Positions without Scholarship: 2* * standard ranking only</p>	
RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 8	<ol style="list-style-type: none"> 3 – University of Florence 3 – University of Perugia 2 – Istituto Nazionale di Alta Matematica "F Severi" (INDAM)
RANKING LIST FOR SPECIFIC RESEARCH TOPICS SCHOLARSHIPS POSITION AVAILABLE: 1	Department of Statistics, Computer Science, Applications "G. Parenti" - Progetto Ministeriale "Dipartimenti di Eccellenza 2018-2022" Thematic: "Data Science" The Ph.D. student will be involved in the development of innovative statistical learning methods, and computationally efficient algorithms, for the analysis of high-dimensional data and data with complex structures to support research in substantive fields.
RANKING LIST FOR RESERVED POSITIONS SCHOLARSHIP AVAILABLE: 3	University of Florence These positions are reserved to applicants who have obtained in a foreign University the degree required to be admitted to the Ph.D courses. The reserved positions not allocated will be made available as standard positions in the main ranking list.
STUDY/RESEARCH PERIODS ABROAD	Not mandatory
DOCUMENTS REQUIRED FOR THE ADMISSION (under penalty of exclusion)	<ul style="list-style-type: none"> • Copy of the Identification Document • <u>Replacement Declaration Form</u> self-declaration for: <ul style="list-style-type: none"> - Italian Degree required for the access - transcript of records with marks (<i>for those candidates whose degrees will be awarded within the 31st October 2019</i>) - acknowledgment of compliance for any other qualification documents enclosed with the application • Foreign Degree required for the access (<i>those candidates whose degrees will be awarded within the 31st October 2019 shall enclose the list of the examinations completed with marks</i>)

<p>DOCUMENTS REQUIRED FOR THE EVALUATION</p>	<p>MANDATORY</p> <ul style="list-style-type: none"> • Curriculum vitae • Research Project <p>OPTIONAL</p> <ul style="list-style-type: none"> • List of publications • Any other qualification document
<p>REFERENCE LETTERS</p>	<p>A section is provided in the online application to specify the e-mail addresses of two professors/researchers willing to provide information about candidates training path and activities performed within a scientific field related to the Ph.D. course.</p>
<p>RESEARCH PROJECT</p>	<p>The research project, consisting of 5,000 characters maximum, may be discussed and evaluated during the interview, and will contribute to the evaluation of the aptness of the applicant for research.</p>
<p>MODALITY OF EVALUATION</p>	<p>STANDARD POSITIONS AND SPECIFIC POSITION</p> <ul style="list-style-type: none"> • Written examination • Interview along with the evaluation of the curriculum, of the research project and of the scientific qualifications documents <p>RESERVED POSITIONS</p> <ul style="list-style-type: none"> • Evaluation of the curriculum, of the research project, and of the scientific qualifications documents • Interview <p>As detailed in the section below “Evaluation Marks”</p>
<p>OTHER LANGUAGE FOR THE EXAMINATIONS</p>	<p>English</p>
<p>SKYPE INTERVIEW</p>	<p>YES – only for candidates not resident in Italy who apply for reserved positions</p>
<p>FURTHER INFORMATION</p>	<p>The written examination is a comprehensive exam that assesses the knowledge of basic concepts of the involved disciplines. Examples of previous written examinations can be found at: https://www.dimai.unifi.it/vp-140-ammissione-al-dottorato.html</p> <p>The interview is aimed to evaluate the basic preparation and the research potential of the candidate and to discuss the research project, curriculum and other possible qualifications. In the case of applicants for the “Data Science” position, the interview will have an additional part regarding the specific topic.</p>

EVALUATION MARKS	STANDARD POSITIONS AND SPECIFIC POSITION		
	parameter	minimum score	maximum score
	Written examination	40/60	60/60
	Interview: curriculum vitae, scientific qualification documents, research project	40/60	60/60
	Eligibility is achieved with a minimum score of 80/120		
	RESERVED POSITIONS		
	parameter	minimum score	maximum score
	Curriculum vitae, scientific qualification documents, research project	40/60	60/60
	Interview	40/60	60/60
	Eligibility is achieved with a minimum score of 80/120		
Further information available at the following web page: https://www.dimai.unifi.it/vp-26-dottorati.html			

EXAMINATIONS SCHEDULE			
	DATE	TIME	PLACE
STANDARD POSITIONS AND SPECIFIC POSITION			
WRITTEN EXAMINATION	8 th July 2019	12:30 p.m.	Department of Mathematics and Computer Science Viale Morgagni 67/A – Florence
INTERVIEW	10 th July 2019	09:00 a.m.	
RESERVED POSITIONS			
INTERVIEW	11 th July 2019	from 09:00 a.m. (italian time)	Department of Mathematics and Computer Science Viale Morgagni 67/A – Florence (or by Skype)
The list of candidates admitted to the written examination will be published at the following web page: https://www.unifi.it/p11549.html			
The list of candidates admitted to the interview will be published at the following web page: https://www.dimai.unifi.it/vp-26-dottorati.html			
The final ranking will be published online at the following web page: https://www.unifi.it/p11549.html			