DOCTORAL PROGRAMME

IN

MATHEMATICS, COMPUTER SCIENCE, STATISTICS

Director prof. Paolo Salani

XXXVI cycle – academic year 2020/2021

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	1. Mathematics 2. Computer Science 3. Statistics
	POSITIONS AVAILABLE: 14 Positions with Scholarship: 12 Positions without Scholarship: 2* ** standard ranking only*
RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 11	**6** - 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" "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.
STUDY/RESEARCH PERIODS ABROAD	Not required
DOCUMENTS REQUIRED FOR THE ADMISSION (under penalty of exclusion)	• Copy of the Identification Document • <u>Replacement Declaration Form</u> self-declaration for: - Italian Degree required for the access - transcript of records with marks *(for those candidates whose degrees will be awarded within the 31st October 2020)* - acknowledgment of compliance for any other qualification documents enclosed with the application • Foreign Degree required for the access *(those candidates whose degrees will be awarded within the 31st October 2020 shall enclose the list of the examinations completed with marks)*

DOCUMENTS REQUIRED FOR THE EVALUATION	**MANDATORY** • Curriculum vitae et studiorum • List of completed examinations with marks both for Bachelor and Master Degrees (or equivalent), title of the Bachelor Thesis (with final grade) and title of the Master Thesis (even if it has not been defended yet - with final grade if the Master Degree has been achieved). • Research Project **OPTIONAL** • Publications • Any other qualification document
REFERENCE LETTERS	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.
RESEARCH PROJECT	The research project, consisting of 5,000 characters maximum, may be discussed during the interview, possibly contributing to the evaluation of the aptness of the applicant for research.
EVALUATION PROCEDURE	• **Evaluation of the Curriculum, academic career (bachelor and master degree, with completed examinations and related marks), research project, possible publications and other qualification documents.** • **Interview** As detailed in the section below **"Evaluation Marks"**
OTHER LANGUAGE FOR THE INTERVIEW	English
INTERVIEW **by remote mode**	**Google Meet** or **Skype**
FURTHER INFORMATION	The interview is aimed to evaluate the basic preparation and the research potential of the candidate and may include the discussion of the research project, the master thesis, 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.
EVALUATION MARKS	<table><tr><th>parameter</th><th>minimum score</th><th>maximum score</th></tr><tr><td>Curriculum vitae, academic career, research project, publications and other scientific qualification documents.</td><td>45/120</td><td>60/120</td></tr><tr><td>Interview</td><td>35/120</td><td>60/120</td></tr><tr><td colspan="3" align="center">Eligibility is achieved with a minimum score of 80/120</td></tr></table>

Further information available at the following web page:
https://www.dimai.unifi.it/vp-138-dottorato.html

EXAMINATIONS SCHEDULE		
	DATE	**TIME**
INTERVIEW	September 16th-17th-18th 2020	9:00 a.m.
The list of the candidates admitted to the interview and the final ranking will be published at the following web page: https://www.unifi.it/p11741.html		