Ph.D. Course in
MATHEMATICS AND MODELING

Ordinary places	**9**
Of which	
with full grant	**7**
without financial support	**2**
Grant/Fellowship Funding source	• 6 grants - University of L'Aquila • 1 grant financed pursuant to Ministerial Decree 630/2024 • Mission 4, Component 1, Investment 3.3. of the PNRR – "Innovative doctorates that respond to the innovation needs of companies" - CUP E11I24000240001
Grants subjects DM 630/2024 M4C1 – Inv. 3.3 "Innovative doctorates that respond to the innovation needs of companies"	**2 grants** aimed at carrying out research concerning: • "*Artificial intelligence technologies for digital game-based learning in Mathematics Education*" – managed with Stemblocks S.r.l. – Roma - Referring Professor: *Prof. L. Guidoni*
Duration	3 years
Curricula	///
University Department Responsible for the Ph.D. Course	Department of Engineering, Computer Science and Mathematics
Ph.D. Course Website	*http://people.disim.univaq.it/~dottorato_mate_mode/*
Ph.D. Course Coordinator	*Prof. Davide GABRIELLI* davide.gabrielli@univaq.it
Admission Requirements	All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the afore-mentioned qualifications. Within the deadline indicated in this call for applications, candidates who are expected to obtain the above-mentioned Degrees by no later than the enrollment, and before the Ph.D. programme's start date, may also apply.
Admission Procedure	Qualification evaluation and oral exam. Applicants can take the oral exam in English, and they may request to take the oral exam online. In this case, when applying, the candidate must specify the modalities for the interview indicating a valid contact address. This request will be authorized by the Committee only after the candidate's identity verification.
Examination topics	Presentation of the thesis and research activity, discussion regarding general mathematical topics.
How to apply	The application must be submitted only via the online procedure available at: **https://pica.cineca.it/univaq/dottorato40.** The documents must be attached in pdf format. The application and the attached documents are submitted automatically by closing the online procedure. So, no hard copy of the application and of the documents must be sent to the office.

Documents to be annexed to the Application	1. CV
	2. Candidates holding a degree from an Italian university must provide:
	  • Self-certification concerning their bachelor's degree indicating final mark and list of exams taken and marks obtained;
	  • Self-certification concerning their master's degree course indicating final mark and list of exams taken and marks obtained.
	3. Candidates enrolled in an Italian Degree Course must include:

	- Self-certification of their bachelor's degree indicating final mark and list of exams taken and marks obtained; - Self-certification of the exams so far taken in their master's degree course indicating marks obtained. <ol start="4"> - Applicants with foreign Degrees must follow the directions explained in article n. 4 of this call. - The candidate must indicate the name of two professors with their e-mail address. The referee will receive an e-mail with the instruction to write the recommendation letter directly online. - Summary, max. 2 pages of the candidate's degree thesis. - Additional qualifications deemed appropriate for assessment.
Language(s)	**Assessment of foreign language skills** ENGLISH language skills will be assessed during the oral exam **Admission** The candidate may sit exams also in ENGLISH
Exam schedule	*Qualification assessment:* July 29,2024, at 9:00 a.m. *Oral Exam:* **July 31, 2024, at 09:00 a.m.** at the Department of Information Engineering, Computer Science and Mathematics – Classroom: A0.4 - Building "Alan Turing" Coppito – L'Aquila
Assessment Criteria	The examination procedure consists of two phases: qualification assessment and oral exam. The candidate's scores will be indicated out of a total of 100 points attributed as follows: 1. Qualification assessment: assessment of the candidate's CV, letters of recommendation and other qualifications. The minimum score required for admission to sit the oral exam is 30, the maximum score is 50 points. 2. Oral exam: the oral exam consists of the candidate's presentation of his/her degree thesis and research activity; moreover, the Committee can ask questions on general mathematical topics. The aim is to evaluate the candidate's aptitude and motivation for research. The test also includes assessment of the candidate's English language skills. Applicants can take the oral exam in English. The minimum score is 30, the maximum score is 50 points. The foreign candidates may sit the oral exam in English. The minimum score needed to pass is 30 over a max of 50 points for the oral exam.
Title evaluation results publication	Title evaluation results shall be published on the University website https://www.univaq.it/section.php?id=2250 and on PhD website: http://people.disim.univaq.it/~dottorato_mate_mode/.
Reserved Ph.D. positions not part of the selection procedure	Positions reserved for students selected within specific international mobility programs: **n. 2** Positions reserved for scholarship holders from foreign countries: **n. 2** Positions covered by scholarship reserved for applicants having obtained a degree abroad n. 0 Positions not covered by scholarship reserved for applicants having obtained a degree abroad **n. 1**