

<b>PhD Course: MATHEMATICAL SCIENCES</b>			
<b>Curricula</b>	<input type="checkbox"/> MATHEMATICS <input type="checkbox"/> COMPUTATIONAL MATHEMATICS		
<b>Department</b>	MATEMATICA "TULLIO LEVI-CIVITA" - DM		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by the University	n. 9	
	Scholarships funded by external public or private bodies/Departments	n. 4	<p>1 scholarship funded by Fondazione Cassa di Risparmio di Padova e Rovigo;</p> <p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM su fondi progetto di sviluppo dipartimentale neXt "Networking the eXcellence in Mathematics and Computer Sciences" - <b>Topic:</b> Dynamics and control of networked structures with Partial Differential Equations (<b>curriculum:</b> MATHEMATICS);</p> <p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM su fondi progetto di sviluppo dipartimentale neXt "Networking the eXcellence in Mathematics and Computer Sciences" - <b>Topic:</b> Mathematics and Music: algebraic, categorical and computational methods in the maths/music research (<b>curriculum:</b> MATHEMATICS);</p> <p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM su fondi progetto di sviluppo dipartimentale neXt "Networking the eXcellence in Mathematics and Computer Sciences" - <b>Topic:</b> Numerical methods for the calculation of Wasserstein-1 distances with application to generative adversarial neural networks and medical imaging (<b>curriculum:</b> COMPUTATIONAL MATHEMATICS);</p>
	Industrial Doctorate	n. 1	1 place reserved to employees of Microtec SRL legally seated in via Juilius Durst 98, 39042 Bressanone (BZ) ( <b>Curriculum:</b> COMPUTATIONAL MATHEMATICS)
	<b>Total number of positions</b>	<b>n. 14</b>	
	<b>Higher-level apprenticeship contracts potentially available (3 year contract)</b>	<p><b>Curriculum:</b> COMPUTATIONAL MATHEMATICS - <b>Employer:</b> 2F Water Venture Srl - <b>Place:</b> Via Dell'Industria, 12, 35030 Rubano (PD)</p> <p><b>Research project:</b> A mathematical model for leak identification in water supply networks</p> <p>N° 1 Contract potentially available for the above mentioned research project</p>	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants will take the oral examination via remote interview (ZOOM)		
<b>Evaluation criteria</b>	Qualifications: points max 60 Oral examination: points max 40		
<b>Documents to be submitted</b>	Thesis:	Points: max 16	Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2020 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor.

	Curriculum:	Points: max 20	The curriculum must contain all the exams with grades passed by the candidate in all her/his previous undergraduate and Master studies, and the final grades of the qualifications, with the dates and the name of the school.
	Scientific publications:	Points: max 3	
	Other documents:	Points: max 18	1. Two reference letters, written by a thesis supervisor or a professor with whom the candidate has/had scientific or teaching links. 2. A letter in which the candidate describes her/his interests, motivations, and expectations in a possible PhD program in Mathematics in Padova (max 1 page). Candidates who apply also for the grants with specific topic should provide evidence on their expertise in such topic.
	Further documents that the candidates think relevant to their evaluation:	Points: max 3	
<b>Preselection: First meeting of the Evaluating Commission</b>	29 JUNE 2020 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>30 JUNE 2020</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://dottorato.math.unipd.it/">https://dottorato.math.unipd.it/</a>  In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.		
<b>Publication of the instructions on how to use the ZOOM video conferencing</b>	By <b>30 JUNE 2020</b> the commission will publish on the course website <a href="https://dottorato.math.unipd.it/">https://dottorato.math.unipd.it/</a> the instructions on how to use the ZOOM video conferencing.		
<b>Oral examination via ZOOM video conferencing</b>	08 JULY 2020 09:00		
<b>Language/s</b>	<b>Foreign language/s assessment at the oral examination:</b> At the oral examination the commission will assess the knowledge of the following language/s: English  <b>Admission exam:</b> The candidate will be allowed to choose the language of the admission exam between English and Italian.		
<b>Examination topics</b>	The exam will concern the scientific background of the candidate and the reserch themes she/he is interested in.		
<b>Didactic program</b>	The Ph.D. Program offers a common group of courses of general interest for both curricula and specific courses for each curriculum on advanced topics of current research. In the first 2 years PhD students are required to take exams in at least 2 courses of general interest and others for a total of at least 56 hour lessons. For more information see: <a href="http://dottorato.math.unipd.it">http://dottorato.math.unipd.it</a>		
<b>PhD Course Website:</b>	<a href="https://dottorato.math.unipd.it/">https://dottorato.math.unipd.it/</a>		
<b>Further information</b>	<b>Department:</b> MATEMATICA "TULLIO LEVI-CIVITA" - DM <b>Address:</b> Via Trieste - N. 63, 35121 Padova (PD)		

	<p><b>Contact person:</b> Dalla Costa Loretta  <b>telephone:</b> 0498271300 <b>e-mail:</b> loretta.dallacosta@unipd.it</p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <b><a href="https://pica.cineca.it/unipd/dottorati36">https://pica.cineca.it/unipd/dottorati36</a></b>  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.</p>
<b>Deadlines</b>	<p>Publication of the ranking lists and enrollment from <b>3 August 2020</b>  Beginning of PhD courses <b>1 October 2020</b></p>