



**Area dei Servizi Istituzionali  
Settore Servizi agli studenti e alla didattica  
Ufficio Dottorati di ricerca**

**ATTACHMENT 10**

**LAST REVISED 04/07/2019**

**DOCTORAL PROGRAMME in  
EARTH SCIENCE, FLUID-DYNAMICS AND MATHEMATICS. INTERACTIONS AND METHODS  
ADMISSION INFORMATION**

[Overview](#)

**Disclaimer:** this is only an overview including the main deadlines and a checklist of items to be submitted. Exhaustive information on how to apply for admission is published in the [Notice of Competition](#).

REQUIREMENT	DEADLINE
online application and upload of documents	<b>17 June 2019 1:00 p.m. (Italian time)</b>
payment of the admission exam fee	<b>17 June 2019</b>
for Italian degrees: deadline for graduation	<b>31 October 2019</b>
for foreign degrees	<b>1 October 2019</b>
submission of foreign degree diploma/certificate (if available by 17 <sup>th</sup> June, please upload it; beyond that date, please email to <a href="mailto:dottorati@amm.units.it">dottorati@amm.units.it</a> )	<b>within 10 days of graduation (and in any event not later than 11 October 2019)</b>

<b>Documents to be uploaded</b>	Mandatory / Optional
NOTE: failure to submit the mandatory documents will result in the exclusion of the candidate	
<b>1. proof of identity</b>	<b>mandatory</b>
<b>2. curriculum vitae et studiorum</b> , focusing on experience prior to the PhD and on degree thesis activity (description of techniques acquired, personal contribution, etc)	<b>mandatory</b>
<b>3. university qualifications:</b>	<b>mandatory</b>
<ul style="list-style-type: none"> <li>a for graduates or near-graduates in Italy: self-certification of the examinations and relevant scores of second-cycle degree (<i>Laurea magistrale</i> or <i>specialistica</i>) or single-cycle degree (<i>Laurea</i>, delivered prior to the reformed university system). Only for graduates: self-certification of the degree final mark. <a href="#">Self-certification</a> can be drafted using the form available online, or using the online services of the issuing University, where applicable.</li> <li>b for graduates from abroad: Master diploma/certificate or equivalent qualification giving access to the Doctoral Programme + Transcript of Records including examinations and scores obtained. Where applicable, a Diploma Supplement can be submitted instead of the Transcript. The academic qualification must be comparable by duration and level (and, where applicable, by subject area) with the Italian degree</li> </ul>	

<p>giving access to the Doctoral Programme and allow access to the PhD in the issuing country.</p> <p>c. for near-graduates from abroad: Transcript of Records including examinations and scores obtained in the academic Programme (Master or equivalent). The Transcript must indicate the name of the qualification to be awarded which must be comparable by duration and level (and, where applicable, by subject area) with the required Italian degree and allow access to the PhD in the issuing country.</p> <p><b>Please note</b> that if all documents as described in points b. and c. are issued in a language other than English or Italian, a translation must be included, along with the original document</p>	
<p>4. for graduates and near-graduates: <b>abstract of the degree thesis</b> (i.e. Master degree or comparable qualification) to be drawn up according to the template "<a href="#">Thesis Abstract form</a>" available online.</p>	<b>mandatory</b>
<p>5. <b>motivational letter</b>, including a description of a possible project in one of the research lines of the Doctoral Programme. The proposal must identify objectives, methods as well as personal competencies. Please use only the "<a href="#">Research Project</a>" form, available online. The project is required for the purpose of assessing the candidate's aptitude for research.</p>	<b>mandatory</b>

Please note that if you have a degree from abroad, and you have never been enrolled at this University or other Italian university, you must also upload your Secondary Education qualification.

PLACES AND SCHOLARSHIPS AVAILABLE			
<b>without scholarship – cod (SB)</b>		<b>0</b>	
<b>with scholarship</b>		<b>14</b>	<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>- Candidates accepting a subject-specific scholarship are committed to the project proposal outlined in the motivational letter.</li> <li>- Candidates accepting scholarships with no specific subject will conduct a research project to be developed with their supervisors and approved by the Doctoral Board. The project is not necessarily the same as the project proposed in the motivational letter.</li> <li>- Attendance abroad that entitles to a scholarship increase - min. max. of months for each PhD student (over 3 years) are <b>2 - 12</b></li> </ul>
<i>Scholarships/Research grants available with indication of their code, total number and funding body</i>	D/1	1	<p>Scholarship financed by the Department of Mathematics and Geosciences funded by Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - INOGS</p> <p>Project title: "Engineering Seismology: advanced empirical data analysis and numerical simulations for structure and soil dynamic behavior as contribution to seismic risk assessment"</p> <p>Principal investigator: Prof. S. Parolai</p>
	MD/2	1	<p>Scholarship MIUR/University cofinanced by the Department of Mathematics and Geosciences funded by Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – INOGS</p> <p>Project title: "Numerical methods for inverse problems in geophysics"</p> <p>Principal investigator: Prof. P. Novati, dott. S. Salon</p>
	MD/3	1	<p>Scholarship MIUR/University cofinanced by the Department of Mathematics and Geosciences funded by Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – INOGS</p> <p>Project title: "Mathematical models for the sound propagation at sea"</p> <p>Principal investigators: Prof. V. Armenio, dott. S. Salon</p>
	D/4	1	<p>Scholarship financed by the Department of Mathematics and Geosciences funded by Dott. G. Costa from DMG - RESRIC-COSTA project fund.</p> <p>Project title: "Seismic monitoring and strong ground motion parameters estimation"</p> <p>Principal investigator: Dott. G. Costa</p>

D/5	1	Scholarship financed by the Department of Mathematics and Geosciences funded by Zadro legacy in favour of DMG Project title: "Study of crustal mass changes and deformation from satellite and terrestrial geodetic observations" Principal investigator: Prof. C. Braitenberg Note: number of months abroad for the purpose of scholarship increase: max 6
D/6-8	3	Scholarship financed by the Department of Mathematics and Geosciences funded by "Progetto Dipartimenti di Eccellenza 2018-2022" The topic must be consistent with the PhD sectors/research lines The scholarship recipient will conduct their research at DMG Department, where their supervisor serves as professor.
M/9-12	4	Scholarship MIUR/University The topic must be consistent with the PhD sectors/research lines
D/13	1	Scholarship financed by the Department of Mathematics and Geosciences funded by Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – INOGS Project title: "Gas hydrate behaviour in natural reservoir" Principal investigator: dott. L. Bonini
FSE/14	1	Scholarship funded by the Region Friuli Venezia Giulia - European Social Fund – Operational Programme 2014/2020 – Axis 3. The project/research must be consistent with the objective of integration with the territory as per art. 4 of the Notice of Competition. <b>This scholarship can be allocated only after prior approval of the project draft submitted by the University to the Region FVG. The eligibility criteria are laid down in art. 4 of the Notice of Competition.</b> Note: number of months abroad for the purpose of scholarship increase: max 6
D/15	1	Scholarship financed by the Department of Mathematics and Geosciences with funds of ICTP-ESP. Project title: "Study of atmosphere-biosphere interactions through the use of coupled regional climate-biosphere modes". Principal investigator: F. Giorgi
<b>RESERVED PLACES</b>		
R/C	1	Recipients of scholarships granted by foreign countries
R/D	1	Scholars selected under international agreements or programmes where UniTS is involved as coordinating or partner institution: Position reserved for a candidate selected within the project URBASIS-EU "New challenges for Urban Engineering Seismology", funded by the Marie-Sklodowska-Curie Actions – Innovative training Network 2018, within the Horizon 2020 Programme of the European Commission. Title: "Innovative methodologies for soil-structure interaction assessment". Host institutions: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS) and University of Trieste. Calls are published on the websites: - <a href="https://urbasis-eu.osug.fr/spip.php?article25&amp;lang=en">https://urbasis-eu.osug.fr/spip.php?article25&amp;lang=en</a> - <a href="https://euraxess.ec.europa.eu/jobs/358057">https://euraxess.ec.europa.eu/jobs/358057</a> - <a href="https://www.egu.eu/jobs/2139/urbasis-marie-curie-itn-15-early-stage-researcher-fellowships-esr-3-year-phd-positions/">https://www.egu.eu/jobs/2139/urbasis-marie-curie-itn-15-early-stage-researcher-fellowships-esr-3-year-phd-positions/</a> - <a href="https://www.researchgate.net/project/URBASIS-EU-New-challenges-for-Urban-Engineering-Seismology">https://www.researchgate.net/project/URBASIS-EU-New-challenges-for-Urban-Engineering-Seismology</a> Enrollment is subject to the approval of the Faculty Board of the PhD Course, provided the candidate meets the Italian admission criteria.
R/AICS	1	Scholarship funded by AICS (Agenzia Italiana per la

Cooperazione allo Sviluppo) in the framework of the “Partnership for Knowledge” Programme - Platform 2 “Health, Water, Sanitation and Hygiene”, based on an agreement between AICS and the Universities of Trieste, Pavia, Brescia, Parma, Roma “La Sapienza” and Torino. The Programme is aimed at candidates from priority countries for Italian cooperation having applied to AICS within 20 June 2019. The applications will be examined by a Panel with the aim of assessing eligibility of the candidates based on their academic qualification and other credentials (ie, resumé, Transcript of Records, reference letters, research project), according to the criteria as established by the PhD Board. The final shortlist will be drawn up by a special Committee composed of delegates from all the Parties to the Programme.

## TERMS AND CONDITIONS

*Academic qualification required: see Notice (art. 2 - Requirements)*

“Lauree vecchio ordinamento” awarded in Italy All

“Lauree specialistiche” awarded in Italy All

“Lauree magistrali” awarded in Italy All

*Selection criteria* **Qualifications + interview**  
Maximum final score: **100** – minimum final score required for eligibility **70**

*Evaluation* Qualifications (maximum final score **70** – minimum final score required **50**):

- curriculum vitae et studiorum maximum score **20**
- thesis abstract maximum score **20**
- exams taken maximum score **10**
- motivation letter maximum score **20**

**Interview: maximum score 30 – minimum score required 20**

Note: The Examination Panel may decide to adopt evaluation subcriteria.

The [admission results](#) will be published online. The admission process includes the following steps: Assessment of foreign degrees >> Assessment of other qualifications >> Interview. The merit list will be published after approval by the Rector.

<i>Examination schedule</i>	<i>Assessment of qualification</i>	<b>from 1 July 2019</b>
	<i>Interview</i>	<b>22 July 2019 at 09:00 a.m. (Italian time)</b> , University of Trieste – Department of Mathematics and Geosciences (DMG) – Aula Magna “Marussi”, Ground Floor, Palazzina C (Comprensorio San Giovanni) - Via Weiss 1 - TRIESTE The Examination Panel may decide to interview candidates on subsequent dates
	<i>Language(s) of the interview</i>	English
	<i>Language(s) tested in the interview</i>	English (CEFR B2)

*Videoconference  
interview*

Upon request of the candidates, the interview may be carried out by videoconference via Skype.

Any candidates, who had not requested a video conference interview at the time of the application, can submit the request for video conferencing by sending an email to [esfm.adm@units.it](mailto:esfm.adm@units.it) up to four working days before the date of the interview, stating the grounds for their request.

The Videoconference interview form is available on <http://www2.units.it/dott/files/VideoconfInterview.pdf>

The Examination Panel will meet on 22 July 2019.

The Panel may arrange with the candidate a different time for the interview.

**SUPPLEMENTARY INFORMATION (following publication of the Notice of Competition)**

04/07/2019	1 additional place with scholarship funded by AICS and reserved for candidates of the "Health, Water, Sanitation and Hygiene" Programme.
04/07/2019	1 additional place with scholarship (D/15). The total number of scholarships available has increased from 14 to 15