

## **PHD COURSES**

- 1. PhD Course: ANIMAL AND FOOD SCIENCE**
- 2. PhD Course: ASTRONOMY in agreement with Istituto Nazionale di Astrofisica**
- 3. PhD Course: BIOMEDICAL SCIENCES**
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- 5. PhD Course: BRAIN, MIND AND COMPUTER SCIENCE in agreement with Fondazione Bruno Kessler**
- 6. PhD Course: CLINICAL AND EXPERIMENTAL ONCOLOGY AND IMMUNOLOGY**
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- 8. PhD Course: CROP SCIENCE**
- 9. PhD Course: DEVELOPMENTAL MEDICINE AND HEALTH PLANNING SCIENCES**
- 10. PhD Course: FUSION SCIENCE AND ENGINEERING in agreement with Università degli Studi di Napoli Federico II**
- 11. PhD Course: GEOSCIENCES**
- 12. PhD Course: INDUSTRIAL ENGINEERING - Curriculum in MATERIALS ENGINEERING**
- 13. PhD Course: INDUSTRIAL ENGINEERING - Curriculum in ELECTRICAL ENGINEERING**
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- 15. PhD Course: INDUSTRIAL ENGINEERING - Curriculum in MECHANICAL ENGINEERING**
- 16. PhD Course: INDUSTRIAL ENGINEERING - Curriculum in CHEMICAL AND ENVIRONMENTAL ENGINEERING**
- 17. PhD Course: INFORMATION ENGINEERING**
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- 19. PhD Course: MATHEMATICAL SCIENCES**
- 20. PhD Course: MECHATRONICS AND PRODUCT INNOVATION ENGINEERING**
- 21. PhD Course: MOLECULAR MEDICINE**
- 22. PhD Course: MOLECULAR SCIENCES in agreement with CONSIGLIO NAZIONALE DELLE RICERCHE (CNR)**
- 23. PhD Course: NEUROSCIENCE**
- 24. PhD Course: PEDAGOGICAL, EDUCATIONAL AND INSTRUCTIONAL SCIENCES**
- 25. PhD Course: PHYSICS in agreement with Istituto Nazionale di Fisica Nucleare – INFN**
- 26. PhD Course: PSYCHOLOGICAL SCIENCES**
- 27. PhD Course: SCIENCE AND ENGINEERING OF MATERIALS AND NANOSTRUCTURES**
- 28. PhD Course: SCIENCES OF CIVIL, ENVIRONMENTAL AND ARCHITECTURAL ENGINEERING**
- 29. PhD Course: SCIENTIFIC, TECHNOLOGICAL AND SOCIAL METHODS ENABLING CIRCULAR ECONOMY**
- 30. PhD Course: SOCIAL SCIENCES**
- 31. PhD Course: STATISTICAL SCIENCES**
- 32. PhD Course: VETERINARY SCIENCES AND FOOD SAFETY**

## PhD Course: ANIMAL AND FOOD SCIENCE

<b>Department</b>	AGRONOMIA ANIMALI ALIMENTI RISORSE NATURALI E AMBIENTE - DAFNAE		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 2	1 scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S05 - CUP C93C22002790001 - <b>Topic:</b> Development of innovative technologies and laboratory procedures for the evaluation and modelling of methane emissions in ruminants; 1 scholarship funded by Dipartimento di Medicina Animale, Produzioni e Salute - MAPS su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S07 - CUP C43C22000340006 - <b>Topic:</b> Chemometric applications and sustainability of agrofood systems;
	<b>Total number of positions</b>	n. 2	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	Graduated applicants: upload your thesis (pdf file). Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor
	Curriculum:	Points: max 22	Upload your curriculum vitae et studiorum; your experiences of study, education and research abroad must be also included in the curriculum
	Scientific publications:	Points: max 3	Upload your publications (pdf file)
	Other documents:	Points: max 10	1. Motivation letter describing the personal expectations and motivations of the candidate, his/her scientific interests and research topics in which he/she wishes to be involved; 2. Reference letters (Max 2) by researchers or experts evidencing the research and work aptitudes of the candidate
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 11:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.phdanimalfoodscience.org/">https://www.phdanimalfoodscience.org/</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.phdanimalfoodscience.org/news.html">https://www.phdanimalfoodscience.org/news.html</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	12 DECEMBER 2022 11:00 - The exam may continue: 13/12/2022 - Dipartimento Agronomia Animali Alimenti Risorse Naturali e Ambiente (Aula M. Bonsembiante), Viale dell'Università 16, 35020 Legnaro (PD), Italy
<b>Language/s</b>	<p><b>Foreign language/s assessment at the oral examination:</b> At the oral examination the commission will assess the knowledge of the following language: english</p> <p><b>Admission exam:</b> The admission exam will be taken in: english or italian</p>
<b>Examination topics</b>	The oral examination will be based on the candidate's motivations, the general knowledge and research aptitude in animal science (with reference to animal breeding and genetics, animal feeding and nutrition, welfare and production systems of beef, dairy, pigs, poultry, rabbits and aquaculture) and food science (with reference to production, transformation, and assessment of the quality of animal and plant food products). The research aptitude of the candidate will be assessed by discussing previous research experiences, including those regarding the master thesis.
<b>Didactic program</b>	The Educational Offer of the Course is in English and includes specific “Disciplinary training activities”, besides “Cross-curricular training activities and soft skills Courses”, i.e. Linguistic, Statistics, IPR and IPR Exploitation and Other Courses (e.g. scientific communication). All teaching activities are provided in English. More details are available at: <a href="https://www.phdanimalfoodscience.org/">https://www.phdanimalfoodscience.org/</a>
<b>PhD Course Website:</b>	<a href="https://www.phdanimalfoodscience.org/">https://www.phdanimalfoodscience.org/</a>
<b>Further information</b>	<p><b>Department:</b> AGRONOMIA ANIMALI ALIMENTI RISORSE NATURALI E AMBIENTE - DAFNAE</p> <p><b>Address:</b> Viale dell'Università - N. 16, 35020 Legnaro (PD)</p> <p><b>Contact person:</b> Moro Rosalba</p> <p><b>telephone:</b> 0498272617 <b>e-mail:</b> <a href="mailto:rosalba.moro@unipd.it">rosalba.moro@unipd.it</a></p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: ASTRONOMY in agreement with Istituto Nazionale di Astrofisica

Department	FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto ETIC - Einstein Telescope IR_ETIC- WP7 - CUP I53C21000420006 - <b>Topic:</b> Study of adaptive optical systems for controlling the optical cavity of the ET gravitational wave interferometer, contribution of the ADONI Lab to the PNRR project ETIC;
	Total number of positions	n. 1	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 50 Oral examination: points max 50		
Documents to be submitted	Curriculum:	Points: max 36	The CV should include the transcript of exams. Candidates must submit and a reference letter by following the procedure provided within the call for admission
	Scientific publications:	Points: max 2	
	Other documents:	Points: max 12	Research project: a one page long research project is required.
Preselection: First meeting of the Evaluating Commission	05 DECEMBER 2022 14:30		
Publication of the results of the evaluation of the preselection	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.dfa.unipd.it/index.php?id=732">https://www.dfa.unipd.it/index.php?id=732</a> In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.		
Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.dfa.unipd.it/index.php?id=732">https://www.dfa.unipd.it/index.php?id=732</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
Oral examination	12 DECEMBER 2022 14:30 - Aula Rosino, Dipartimento di Fisica ed Astronomia, Vicolo Osservatorio 3, Padova		
Language/s	<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 admission exam will be taken in: english		

<b>Examination topics</b>	The examination topics can be found here: <a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/corso-di-dottorato-di-ricerca-in-astronomia/phdadmission/general-items-for-the-oral-exam/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/corso-di-dottorato-di-ricerca-in-astronomia/phdadmission/general-items-for-the-oral-exam/</a>
<b>Didactic program</b>	The PhD school in Astronomy offers a plethora of course, both with final examination (16hrs) and monographic (10 hours). They change every two years. Information can be retrieved here: <a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/corso-di-dottorato-di-ricerca-in-astronomia/english-version/phd-courses/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/corso-di-dottorato-di-ricerca-in-astronomia/english-version/phd-courses/</a>
<b>PhD Course Website:</b>	<a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/corso-di-dottorato-di-ricerca-in-astronomia/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/corso-di-dottorato-di-ricerca-in-astronomia/</a>
<b>Further information</b>	<b>Department:</b> FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA <b>Address:</b> Vicolo Osservatorio - N. 3, 35122 Padova (PD) <b>Contact person:</b> Zorzi Alessandra <b>telephone:</b> 0498278261 <b>e-mail:</b> <a href="mailto:alessandra.zorzi@unipd.it">alessandra.zorzi@unipd.it</a>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: BIOMEDICAL SCIENCES

<b>Department</b>	SCIENZE BIOMEDICHE - DSB		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 7	<p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S08 - CUP C93C22002800006 - <b>Topic:</b> In silico study of protein structural ensembles as potential novel drug targets;</p> <p><b>1</b> scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi PENN_PRIV21_01 - progetto AIRC "Targeting von Hippel Lindau protein/androgen receptor functional interaction to tackle renal cell carcinoma" - <b>Topic:</b> CIn silico analysis of pVHL and AR interaction to decrypt its role in cancer development;</p> <p><b>1</b> scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S2 - CUP C93C22005240007 - <b>Topic:</b> Identification and validation of biomarkers of sarcopenia;</p> <p><b>1</b> scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S04 - CUP C93C22002780006 - <b>Topic:</b> RNA-based drugs to counteract muscle atrophy;</p> <p><b>1</b> scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S09 - CUP C93C22002780006 - <b>Topic:</b> Novel split-GFP based Delivery Sensors (SPLIDS) for in vivo RNA delivery;</p> <p><b>1</b> scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi del Progetto AIRC dal titolo "Targeting von Hippel Lindau protein/androgen receptor functional interaction to tackle renal cell carcinoma" (codice U-GOV PENN_PRIV21_01) e Fondazione JUST Italia - progetto dal titolo "Una nuova trasmissione su RA11" (PENN_PRIV22_02) - <b>Topic:</b> Analysis of the role of transcription factors and cofactors in the pathogenesis of cancer and neurodegenerative diseases;</p> <p><b>1</b> scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi del Progetto Ricerca di Eccellenza CARIPARO id 59573 dal titolo "CXCR4: a marker of neurotransmission failure and a target for neuromuscular function recovery (CIRCLE) (cod. U-GOV RIGO_ECCE21_01) e del Progetto Ricerca Pediatrica 2020-2022 CARIPARO dal titolo "Stimulating recovery from perinatal stroke: role of inflammation and motor training" - <b>Topic:</b> Neuronal plasticity in motor recovery in a mouse model for perinatal stroke;</p>
	<b>Total number of positions</b>	n. 7	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		

<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		
<b>Documents to be submitted</b>	Thesis:	Points: max 10	Applicants already graduated must provide a pdf copy of their Master Thesis. Applicants waiting to be awarded the entrance qualification within 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor.
	Curriculum:	Points: max 21	Candidates must report the final score of the Master exam they passed. Candidates that are waiting for the final score are requested to indicate the average of the scores of the exams obtained during their undergraduate Courses
	Scientific publications:	Points: max 4	Provide pdf copies of publications and/or meeting abstracts
	Other documents:	Points: max 5	Research experiences and Awards
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 10:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences/phd-applications">https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences/phd-applications</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences/phd-applications">https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences/phd-applications</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	13 DECEMBER 2022 10:30 - The exam may continue: 14/12/2022, 10:30; aula RG Vallisneri - Aula RH Complesso Vallisneri, via Ugo Bassi 58/B 35131 Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	During the oral exam, the candidate will be asked to describe his/her scientific interests, any previous research experience, and the Master thesis work. In addition, the interview will be aimed at evaluating the candidate's motivation and attitude for scientific research along with testing his/her knowledge of topics related to the Doctorate Course. For the research-bonded projects ("borse a tema vincolato" in Italian), skills and interest in the research project will be assessed.		
<b>Didactic program</b>	PhD students will benefit of interdisciplinary scientific environment. They will attend courses both on general and specialized topics, scientific seminars and journal clubs (where presentations are given by the students). Throughout the course scientific training will take place in the laboratory of choice. For information: <a href="http://doctorate.biomed.unipd.it/">http://doctorate.biomed.unipd.it/</a>		
<b>PhD Course Website:</b>	<a href="http://doctorate.biomed.unipd.it/">http://doctorate.biomed.unipd.it/</a>		

<b>Further information</b>	<b>Department:</b> SCIENZE BIOMEDICHE - DSB <b>Address:</b> Via Ugo Bassi - N. 58/B, 35131 Padova (PD) <b>Contact person:</b> Martini Marta <b>telephone:</b> 0498276142 <b>e-mail:</b> marta.martini@unipd.it
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>



PhD Course: BIOSCIENCES			
Curricula	<ul style="list-style-type: none"> <li>BIOCHEMISTRY AND BIOTECHNOLOGY</li> <li>CELL BIOLOGY AND PHYSIOLOGY</li> <li>EVOLUTION, ECOLOGY AND CONSERVATION</li> <li>GENETICS, GENOMICS AND BIOINFORMATICS</li> </ul>		
Department	BIOLOGIA (DiBio)		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 13	<p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S2 - CUP C93C22005240007 (supervisore Prof. Luca Scorrano) - <b>Topic:</b> Mitochondrial mechanisms of age-related tissue degeneration (<b>curriculum:</b> CELL BIOLOGY AND PHYSIOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S2 - CUP C93C22005240007 (supervisore Prof. Luigi Bubacco) - <b>Topic:</b> Molecular mechanis of neurodegeneration (<b>curriculum:</b> CELL BIOLOGY AND PHYSIOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S08 - CUP C43C22000340006 (supervisore Prof.ssa Paola Venier) - <b>Topic:</b> Expansion and integration of biological signals generated by marine microorganisms and bivalve molluscs (<b>curriculum:</b> GENETICS, GENOMICS AND BIOINFORMATICS);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto Multi- Risk sciEnce for resilienT commUnities underR a changiNg climate - RETURN PE3-VS4 - CUP C93C22005160002 (supervisore Prof. Gianfranco Santovito) - <b>Topic:</b> Physiological and ecological studies on freshwater fauna in relation to the transport of environmental contaminants in streams (<b>curriculum:</b> CELL BIOLOGY AND PHYSIOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S01 - CUP C93C22002810006 (supervisore Prof. Alessandro Vezzi) - <b>Topic:</b> Monitoring marine microbial communities and their relationships with ecosystem functions in coastal lagoons (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S01 - CUP C93C22002810006 (supervisore Prof. Cristiano De Pittà) - <b>Topic:</b> Integrating morphological, physiological, and molecular approaches to monitor photosynthetic biodiversity in coastal wetlands (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S01 - CUP C93C22002810006 (supervisore Prof.ssa Lucia Manni) - <b>Topic:</b> Integrating</p>

		<p>molecular and morphological tools with artificial intelligence and Local Ecological knowledge to monitor the biodiversity of ascidians in Lagoon of Venice (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S01 - CUP C93C22002810006 (supervisore Prof.ssa Paola Venier) - <b>Topic:</b> Integrating microbiome with the virome analysis to unveil the unseen biodiversity of the Venice lagoon (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S03 - CUP C93C22002810006 (supervisore Prof. Francesco Dal Grande) - <b>Topic:</b> PlantBank-NE: Integrative taxonomy of endemic vascular flora of North-East Italy (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S03 - CUP C93C22002810006 (supervisore Prof. Leonardo Congiu) - <b>Topic:</b> Development and application of molecular markers for the description and informed management of the genetic biodiversity of Italian endemic or endangered species (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S03 - CUP C93C22002810006 (supervisore Prof. Lucio Bonato) - <b>Topic:</b> Evolutionary diversity of neglected terrestrial animals on the South-Eastern Prealps: an integrative and fine-scale analysis (<b>curriculum:</b> EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology” CN3-S03 - CUP C93C22002780006 (supervisore Prof. Graziano Martello) - <b>Topic:</b> Testing gene therapy approaches for polyQ diseases in human brain organoids (<b>curriculum:</b> GENETICS, GENOMICS AND BIOINFORMATICS);</p> <p><b>1</b> scholarship funded by Dipartimento di Biologia - DiBio - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology” CN3-S09 - CUP C93C22002780006 (supervisore Prof.ssa Marisa Brini) - <b>Topic:</b> In vitro and in vivo testing RNA delivery and translation efficiency by novel split-GFP based sensors (<b>curriculum:</b> BIOCHEMISTRY AND BIOTECHNOLOGY);</p>
	<b>Total number of positions</b>	n. 13
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION	

<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 30	in addition to the curriculum vitae, the candidate should present also a brief description of the research interests in relation to the topics of the course in Biosciences (this statement should not be longer than 2000 words). ( <a href="https://dottorato.biologia.unipd.it/">https://dottorato.biologia.unipd.it/</a> ) We ask the candidate to specify weighted average of the exams score (based on the relative credits weight) taken in the Laurea Triennale (Bachelor)+Magistrale (M.Sc) /Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento and the mark of the three-year degree/Magistrale/Specialistica/Laurea Vecchio Ordinamento.
	Scientific publications:	Points: max 3	candidates should include a list of their publications and pdf reprint/files.
	Other documents:	Points: max 1	certificates for foreign languages. Other documents that candidates think relevant for their evaluation.
	Further documents that the candidates think relevant to their evaluation:	Points: max 1	
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://dottorato.biologia.unipd.it">https://dottorato.biologia.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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://dottorato.biologia.unipd.it">https://dottorato.biologia.unipd.it</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 08:30 - The exam may continue: 13, 14 December 2022 - 8:30 - Dipartimento di Biologia - Via Ugo Bassi, 58/B - Padova		
<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 admission exam will be taken in: Italian/English according to candidate's preference.		

<b>Examination topics</b>	The exam will be on the relevant topics of the four curricula, to be chosen by the applicants: Biochemistry and biotechnology; Cellular biology and Physiology; Evolution, Ecology and Conservation, Genetics; Genomics and Bioinformatics. Candidates will be asked to illustrate their previous research experience and their scientific interests with particular reference to the research carried out, which are fully described on School's website ( <a href="https://dottorato.biologia.unipd.it/">https://dottorato.biologia.unipd.it/</a> ). For the purpose of obtaining eligibility for the scholarship, the skills and interest of the candidate for the research project will be considered.
<b>Didactic program</b>	The Ph.D. course offers general and curricula-specific courses. The Ph.D. students will participate at seminars/courses given by excellent scientists. The students will present their data to internal evaluators and during progress reports. <a href="https://dottorato.biologia.unipd.it/teaching-activity/courses/">https://dottorato.biologia.unipd.it/teaching-activity/courses/</a>
<b>PhD Course Website:</b>	<a href="https://dottorato.biologia.unipd.it">https://dottorato.biologia.unipd.it</a>
<b>Further information</b>	<b>Department:</b> BIOLOGIA (DiBio) <b>Address:</b> Via Ugo Bassi - N. 58/B, 35131 Padova (PD) <b>Contact person:</b> Manno Maria <b>telephone:</b> 0498276276 <b>e-mail:</b> <a href="mailto:phd.biosciences.biologia@unipd.it">phd.biosciences.biologia@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

## PhD Course: BRAIN, MIND AND COMPUTER SCIENCE in agreement with Fondazione Bruno Kessler

Curricula	<ul style="list-style-type: none"> <li>• NEUROSCIENCE, TECHNOLOGY, AND SOCIETY</li> <li>• COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION</li> </ul>		
Department	PSICOLOGIA GENERALE - DPG		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 7	<p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S01 - CUP C93C22002800006 - <b>Topic:</b> High Performance Computing and Big Data (<b>curriculum:</b> COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p> <p>1 scholarship funded by Dipartimento di Psicologia Generale - DPG - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S04 - CUP C43C22000340006 - <b>Topic:</b> Human factors in smart living environments (<b>curriculum:</b> NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by Dipartimento di Psicologia dello Sviluppo e della Socializzazione - DPSS - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S05 - CUP C43C22000340006 - <b>Topic:</b> Psychological wellbeing in living environments (<b>curriculum:</b> NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by Dipartimento di Scienze Biomediche - DSB - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S4 - CUP C93C22005240007 - <b>Topic:</b> Tailored nutrition and physical exercise interventions in older adults (<b>curriculum:</b> NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);</p> <p>1 scholarship funded by Dipartimento di Scienze Biomediche - su fondi PNRR - progetto ELIXIR x NextGenerationIT - ELIXIRxNextGenIT IR0000010 - CUP B53C22001800006 e TOSA_EPPRES22_01 - <b>Topic:</b> Development of the APICURON database for the recognition of biocuration activities (<b>curriculum:</b> COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p> <p>1 scholarship funded by Fondazione Bruno Kessler - <b>Topic:</b> Extracting information from clinical documents in a multilingual perspective (<b>curriculum:</b> COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p> <p>1 scholarship funded by Fondazione Bruno Kessler - <b>Topic:</b> Learning and inference in hybrid AI models with application to understanding multi-modal data (<b>curriculum:</b> COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);</p>
	Total number of positions	n. 7	

<b>Selection criteria</b>	<b>PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION</b>		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 60 Oral examination: points max 40		
<b>Documents to be submitted</b>	Thesis:	Points: max 10	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 10	Please, follow a chronological order within each section of your curriculum, starting from the most recent item. For instance, when describing your education, start with the most recent degree you have obtained.
	Scientific publications:	Points: max 10	Please choose one style to report the publications you authored (e.g. APA, Chicago, ...) and stick to it consistently. Do not mention presentations at conferences that are not included in full in the conference proceedings.
	Other documents:	Points: max 30	Research project (maximum 2000 words + references). Reference letters (maximum 2). Attestation/certification of level of English language released by any authorized agency.
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="http://hit.psy.unipd.it/BMCS/admission">http://hit.psy.unipd.it/BMCS/admission</a></b> 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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="http://hit.psy.unipd.it/BMCS/admission">http://hit.psy.unipd.it/BMCS/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	15 DECEMBER 2022 10:00 - Human Inspired Research Centre, via Luzzatti 4, Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	Depending on the background of the applicant, the oral examination will focus on: - computer science - psychology and neuroscience - human-computer interaction - e-health and cybertherapy - Internet of Things - machine learning - big data and security The applicant might also be asked about his/her prospective doctoral project.		

<b>Didactic program</b>	The doctoral program has its teaching offer, including seven mandatory courses with a final examination. All courses are in English and facilitate an interdisciplinary path between psychology, cognitive neuroscience and computer science, consistently with the educational goals of the program. The students attend at least 150 hrs of classes ( <a href="http://hit.psy.unipd.it/BMCS/teaching-offer">http://hit.psy.unipd.it/BMCS/teaching-offer</a> ).
<b>PhD Course Website:</b>	<a href="http://hit.psy.unipd.it/BMCS">http://hit.psy.unipd.it/BMCS</a>
<b>Further information</b>	<b>Department:</b> PSICOLOGIA GENERALE - DPG <b>Address:</b> Via Venezia - N. 8, 35131 Padova (PD) <b>Contact person:</b> Romagnolo Carla <b>telephone:</b> 049/8276375 <b>e-mail:</b> <a href="mailto:phd.bmcs@unipd.it">phd.bmcs@unipd.it</a>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: CLINICAL AND EXPERIMENTAL ONCOLOGY AND IMMUNOLOGY

<b>Department</b>	SCIENZE CHIRURGICHE ONCOLOGICHE E GASTROENTEROLOGICHE-DiSCOG		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Scienze Chirurgiche Oncologiche e Gastroenterologiche - DiSCOG - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S2 - CUP C93C22005240007 - <b>Topic:</b> Studies on the mechanisms influencing proliferative potential and cellular senescence: the dual role of the telomere/telomerase complex;
	<b>Total number of positions</b>	n. 1	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 20 Oral examination: points max 80		
<b>Documents to be submitted</b>	Thesis:	Points: max 4	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor). Relevance of the experimental methodologies used and the subject matter of the thesis with the themes of the PhD Course.
	Curriculum:	Points: max 9	In the curriculum specify the marks obtained in the individual exams and the weighted average of the exams taken in the Master's degree / specialist (or arithmetic average of the exams carried out in the old system degree). The final degree mark will not be considered.
	Scientific publications:	Points: max 2	List of publications relevant to the topics of the course with Impact Factor. List of only oral presentations of the candidate for national and international scientific conferences.
	Other documents:	Points: max 5	Study, research and work experiences in Italy and abroad, including participation in international mobility projects for students or graduates. Knowledge of English documented by certification. Maximum 2 reference letters. Motivation letter that illustrates the research interests with respect to the topics of the Doctoral Course (max 400 words).
<b>Preselection: First meeting of the Evaluating Commission</b>	07 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.discog.unipd.it/doctorate/mission">https://www.discog.unipd.it/doctorate/mission</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.discog.unipd.it/doctorate/mission">https://www.discog.unipd.it/doctorate/mission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	13 DECEMBER 2022 09:00 - The exam may continue: 14/12/2022 ore 09:00 - Aula Magna - Dipartimento DiSCOG - Sezione di Oncologia e Immunologia, Via Gattamelata 64 - PADOVA
<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 admission exam will be taken in italian language.
<b>Examination topics</b>	Subjects related to the PhD topics such as: General Oncology, Cytohistopathology and Molecular Pathology in Oncology, Immunology, Cancer Immunology, Oncohematology. Basic concepts in Genetics, Cellular and Molecular Biology.
<b>Didactic program</b>	Theoretical-practical courses on the scientific topics of the PhD Course. Seminar cycle. Conferences on oncological and immunological issues. Seminars on scientific communication, leadership, patenting, funding opportunities and mechanisms in the European context, Bibliometric analysis. <a href="https://www.discog.unipd.it/doctorate/dottorati-di-ricerca">https://www.discog.unipd.it/doctorate/dottorati-di-ricerca</a>
<b>PhD Course Website:</b>	<a href="https://www.discog.unipd.it/doctorate/dottorati-di-ricerca">https://www.discog.unipd.it/doctorate/dottorati-di-ricerca</a>
<b>Further information</b>	<b>Department:</b> SCIENZE CHIRURGICHE ONCOLOGICHE E GASTROENTEROLOGICHE- DiSCOG <b>Address:</b> Via N.Giustiniani - N. 2, 35128 PADOVA (PD) <b>Contact person:</b> ZATTA ANTONIO <b>telephone:</b> 0498214383 <b>e-mail:</b> <a href="mailto:oncologia.dottorato.discog@unipd.it">oncologia.dottorato.discog@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

PhD Course: CLINICAL AND EXPERIMENTAL SCIENCES			
Curricula	<ul style="list-style-type: none"> <li>• HEMATOLOGICAL AND GERIATRIC SCIENCES</li> <li>• RHEUMATOLOGICAL AND LABORATORY SCIENCES</li> <li>• HEPATOLOGY AND TRANSPLANTATION SCIENCES</li> <li>• CLINICAL METHODOLOGY, METABOLISM, ENDOCRINOLOGY, NEPHROLOGY AND EXERCISE</li> <li>• MULTIDISCIPLINARY APPROACH TO RARE DISEASES</li> </ul>		
Department	MEDICINA - DIMED		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Medicina - DIMED - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S04 - CUP C93C22002780006 - <b>Topic:</b> RNA drugs to counteract obesity and metabolic syndrome ( <b>curriculum:</b> CLINICAL METHODOLOGY, METABOLISM, ENDOCRINOLOGY, NEPHROLOGY AND EXERCISE);
	Total number of positions	n. 1	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 40 Oral examination: points max 60		
Documents to be submitted	Thesis:	Points: max 15	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 5	Supply a Europass Curriculum Vitae
	Scientific publications:	Points: max 10	List of scientific publications including conference abstracts
	Other documents:	Points: max 10	Brief description of the research project the candidate intends to carry out during the PhD
Preselection: First meeting of the Evaluating Commission	06 DECEMBER 2022 09:00		
Publication of the results of the evaluation of the preselection	Within <b>12 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences">https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences">https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	15 DECEMBER 2022 09:00 - The exam may continue: 16/12/2022 - Dipartimento di Medicina, Via N. Giustiniani 2 - 35128 Padova, Aula 9P Monoblocco
<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 admission exam will be taken in: english
<b>Examination topics</b>	Haematological and Geriatric Sciences, Hepatological and Transplantological Sciences, Endocrine and Metabolic Sciences, Nephrology and Exercise, Rheumatology and Laboratories, Multidisciplinary approach to rare diseases. Rheumatology and Laboratory Sciences, Multidisciplinary approach to rare diseases. Research areas: clinical, epidemiological, experimental, pharmacological, immunological, molecular and cellular biology, biochemistry, bioinformatics, genetics and pathophysiology, translational simulation models
<b>Didactic program</b>	Theoretical-practical seminars on topics transversal to the five curricula: Sc. Haematology and Geriatrics, Sc. Hepatology and Transplantology, Sc. Endocrino-metabolic, nephrology and exercise, Sc. Rheumatology and Laboratories. <a href="https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences">https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences</a>
<b>PhD Course Website:</b>	<a href="https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences">https://www.medicinadimed.unipd.it/corsi/dottorati-di-ricerca/phd-course-clinical-and-experimental-sciences</a>
<b>Further information</b>	<b>Department:</b> MEDICINA - DIMED <b>Address:</b> Via N. Giustiniani - N. 2, 35128 Padova (PD) <b>Contact person:</b> Rinaldi Laszlo <b>telephone:</b> 0498216112 <b>e-mail:</b> <a href="mailto:postlauream.dimed@unipd.it">postlauream.dimed@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

## PhD Course: CROP SCIENCE

Department	AGRONOMIA ANIMALI ALIMENTI RISORSE NATURALI E AMBIENTE - DAFNAE		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 9	<p><b>1</b> scholarship funded by Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA) - <b>Topic:</b> Microbial Breeding for a sustainable agriculture: grapevine as model system for the identification and characterization of neglected plant genetic and biochemical traits involved in the recruitment of plant beneficial microbes.;</p> <p><b>1</b> scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S01 - CUP C93C22002790001 - <b>Topic:</b> Identification of plant defense mechanisms induced by biotic and abiotic stress, and enhancement of their efficacy using microbial or plant-derived molecules;</p> <p><b>1</b> scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S01 - CUP C93C22002790001 - <b>Topic:</b> Novel biotechnological approaches to identify and functionally characterize coding and non-coding regions involved in the plant response to biotic and abiotic stresses in grapevine;</p> <p><b>1</b> scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S02 - CUP C93C22002790001 - <b>Topic:</b> Approaches to reduce the use of synthetic pesticides against arthropods in agroecosystems;</p> <p><b>1</b> scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S04 - CUP C93C22002790001 - <b>Topic:</b> Advanced genotyping technologies for the molecular prediction of multiple resilient traits in crop plants;</p> <p><b>1</b> scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S04 - CUP C93C22002790001 - <b>Topic:</b> Innovative technologies for the sustainable management of crops in a frame of smart-climate agriculture;</p> <p><b>1</b> scholarship funded by Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente - DAFNAE - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S07 - CUP C93C22002790001 - <b>Topic:</b> Innovation for multifunctional management and restoration of semi-natural grasslands;</p> <p><b>1</b> scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR -</p>

			progetto National Research Centre for Agricultural Technologies CN2-02 - CUP C93C22002790001 - <b>Topic:</b> New sustainable directions for disease management in agro-ecosystems; <b>1</b> scholarship funded by Istituto di Ricerca sugli Ecosistemi Terrestri del Consiglio Nazionale delle Ricerche (CNR-IRET) - <b>Topic:</b> Analysis of greenhouse gas balances in agricultural sites of the ICOS-ITINERIS network;
	<b>Total number of positions</b>	n. 9	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		
<b>Documents to be submitted</b>	Thesis:	Points: max 2	Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor
	Curriculum:	Points: max 10	It is mandatory to prepare the CV by following the template available at the Crop Science course website: <a href="http://www.sciproveg.com/spv/?lang=en">http://www.sciproveg.com/spv/?lang=en</a>
	Scientific publications:	Points: max 2	Publications must be submitted as PDF
	Other documents:	Points: max 25	Research project on topics of interest for the course. The project must be completed mandatory accordingly to the guide lines provided on the website of Crop Science: <a href="http://www.sciproveg.com/spv/?lang=en">http://www.sciproveg.com/spv/?lang=en</a>
	Further documents that the candidates think relevant to their evaluation:	Points: max 1	
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 10:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.sciproveg.com/spv/?lang=en">https://www.sciproveg.com/spv/?lang=en</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.sciproveg.com/spv/?lang=en">https://www.sciproveg.com/spv/?lang=en</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	13 DECEMBER 2022 13:30 - The exam may continue: 14, 15 December 2022 - Dipartimento di Agronomia Animali Alimenti Risorse Naturali e Ambiente DAFNAE - Aula multimediale - Viale dell'Università n. 16 - Legnaro (PD)		

<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in: english</p>
<b>Examination topics</b>	The exam will focus on the discussion of the research project presented by the candidate with particular attention to the congruence of the proposed topic with the research-bonded projects (“borse a tema vincolato” in Italian). Skills and interest in the research project will be assessed.
<b>Didactic program</b>	17 ad hoc courses are scheduled in the following types of training activities: - Languages - Statistics - Research management - Results valorization Seminars: Yes Winter School during January/February Six months abroad secondement <a href="https://www.sciproveg.com/?page_id=3337&amp;lang=en">https://www.sciproveg.com/?page_id=3337&amp;lang=en</a>
<b>PhD Course Website:</b>	<a href="https://www.sciproveg.com/?lang=en">https://www.sciproveg.com/?lang=en</a>
<b>Further information</b>	<p><b>Department:</b> AGRONOMIA ANIMALI ALIMENTI RISORSE NATURALI E AMBIENTE - DAFNAE</p> <p><b>Address:</b> Viale dell'Università - N. 16, 35020 Legnaro (PD)</p> <p><b>Contact person:</b> TONO Arcangela</p> <p><b>telephone:</b> 049 8272835 <b>e-mail:</b> <a href="mailto:arcangela.tono@unipd.it">arcangela.tono@unipd.it</a></p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: DEVELOPMENTAL MEDICINE AND HEALTH PLANNING SCIENCES

Curricula	<ul style="list-style-type: none"> <li>ONCOHEMATOLOGY AND HUMAN GENETICS, RARE DISEASES AND PREDICTIVE MEDICINE</li> <li>HEALTH PLANNING MODELS/ SYSTEM PLANNING</li> </ul>		
Department	SALUTE DELLA DONNA E DEL BAMBINO - SDB		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 3	<p>1 scholarship funded by Dipartimento di Salute della Donna e del Bambino - SDB - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology” CN3-S01 - CUP C93C22002780006 - <b>Topic:</b> Gene therapy with HSC and targeted gene addition for the treatment of neurometabolic diseases (<b>curriculum:</b> ONCOHEMATOLOGY AND HUMAN GENETICS, RARE DISEASES AND PREDICTIVE MEDICINE);</p> <p>1 scholarship funded by Dipartimento di Salute della Donna e del Bambino - SDB - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology” CN3-S10 - CUP C93C22002780006 - <b>Topic:</b> CAR-T cell therapy for acute childhood leukemia (<b>curriculum:</b> ONCOHEMATOLOGY AND HUMAN GENETICS, RARE DISEASES AND PREDICTIVE MEDICINE);</p> <p>1 scholarship funded by Dipartimento di Scienze Cardio-Toraco-Vascolari e Sanità Pubblica - su fondi PNRR - progetto One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases - INF-ACT PE13-S4 - CUP C93C22005170007 - <b>Topic:</b> Protocols for the surveillance of emerging diseases and spillover risk at the animal/environment/human interface (<b>curriculum:</b> ONCOHEMATOLOGY AND HUMAN GENETICS, RARE DISEASES AND PREDICTIVE MEDICINE);</p>
	Total number of positions	n. 3	
Selection criteria	EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation of qualifications: First meeting of the Evaluating Commission	06 DECEMBER 2022 14:00		
Publication of the evaluation of the qualifications	Within <b>12 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.sdb.unipd.it/dottorato-di-ricerca">https://www.sdb.unipd.it/dottorato-di-ricerca</a>		

<b>Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.sdb.unipd.it/dottorato-di-ricerca">https://www.sdb.unipd.it/dottorato-di-ricerca</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview		
<b>Oral examination</b>	13 DECEMBER 2022 09:30 - The exam may continue: 14/12/2022 ore 9.30 - Dipartimento di Salute della donna e del bambino - Aula P56 - Via Giustiniani n. 3, Padova		
<b>Evaluation criteria</b>	Qualifications: points max 30 Oral examination: points max 70		
<b>Documents to be submitted</b>	Thesis:	Points: max 6	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 15	
	Scientific publications:	Points: max 5	Articles in scientific journals, chapters of books, monographs, articles in non-indexed journals, abstracts or posters presented at conferences and proceedings are evaluated. Articles in scientific journals with Impact Factor present on the ISIWEB or Scopus databases are evaluated. The candidate must report the impact factor for each publication.
	Other documents:	Points: max 4	Letters of reference: the number must not exceed two. Further documents that the candidates think relevant to their evaluation
<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 admission exam will be taken in: italian or english		
<b>Examination topics</b>	Clinical and experimental research in the field of rare diseases, pediatric blood oncology, regenerative medicine, pediatric infectious disease, diabetology gene therapy, genetics and emerging diseases. Aptitude for scientific research		
<b>Didactic program</b>	Teaching activity: lessons, seminars and tutorial laboratories both in English or Italian Language <a href="https://www.sdb.unipd.it/dottorato-di-ricerca">https://www.sdb.unipd.it/dottorato-di-ricerca</a>		
<b>PhD Course Website:</b>	<a href="https://www.sdb.unipd.it/dottorato-di-ricerca">https://www.sdb.unipd.it/dottorato-di-ricerca</a>		
<b>Further information</b>	<b>Department:</b> SALUTE DELLA DONNA E DEL BAMBINO - SDB <b>Address:</b> Via GIUSTINIANI - N. 3, 35128 PADOVA (PD) <b>Contact person:</b> D'AGATA GIOVANNI <b>telephone:</b> 049/8213501 <b>e-mail:</b> <a href="mailto:giovanni.dagata@unipd.it">giovanni.dagata@unipd.it</a>		
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.		
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>		



## PhD Course: FUSION SCIENCE AND ENGINEERING in agreement with Università degli Studi di Napoli Federico II

Department	Centro di Ateneo "Centro Ricerche Fusione"		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 6	<p><b>1</b> scholarship funded by Centro Ricerche Fusione - su fondi PNRR - progetto Nefertari - New Equipment for Fusion Experimental Research and Technological Advancements with RFX Infrastructure IR_NEFERTARI - CUP B53C22003070006 - <b>Topic:</b> Development of LIBS methodologies for fusion-relevant materials analysis;</p> <p><b>1</b> scholarship funded by Centro Ricerche Fusione - su fondi PNRR - progetto Nefertari - New Equipment for Fusion Experimental Research and Technological Advancements with RFX Infrastructure IR_NEFERTARI - CUP B53C22003070006 - <b>Topic:</b> Development of a laser-induced breakdown spectroscopy for fusion-relevant plasma-material interaction studies in the linear device BiGyM;</p> <p><b>1</b> scholarship funded by Centro Ricerche Fusione - su fondi PNRR - progetto Nefertari - New Equipment for Fusion Experimental Research and Technological Advancements with RFX Infrastructure IR_NEFERTARI - CUP B53C22003070006 - <b>Topic:</b> Development of advanced neutron and soft X-ray diagnostics with imaging capabilities for RFX-mod2;</p> <p><b>1</b> scholarship funded by Centro Ricerche Fusione - su fondi PNRR - progetto Nefertari - New Equipment for Fusion Experimental Research and Technological Advancements with RFX Infrastructure IR_NEFERTARI - CUP B53C22003070006 - <b>Topic:</b> Diagnostics of confinement properties of fusion plasmas;</p> <p><b>1</b> scholarship funded by Centro Ricerche Fusione - su fondi PNRR - progetto Nefertari - New Equipment for Fusion Experimental Research and Technological Advancements with RFX Infrastructure IR_NEFERTARI - CUP B53C22003070006 - <b>Topic:</b> Thermal content dynamics in magnetically confined plasmas;</p> <p><b>1</b> scholarship funded by Consorzio RFX - <b>Topic:</b> Numerical exploration of fast ion distribution functions in fusion devices and their optimization through various mixes of NBI and ICRH heating in view of ITER operations;</p>
	Total number of positions	n. 6	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 70 Oral examination: points max 30		
Documents to be submitted	Thesis:	Points: max 10	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary

			of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 30	The CV (please use the Europass CV template) must include the following information: - Weighted average of the exams of the Bachelor + Master degrees or arithmetic average of the exams if in compliance with the former degree regulations. Students with a foreign degree, have to provide the Grade Point Average (GPA) for each degree obtained - List of all exams and corresponding grades obtained for the bachelor and master degrees or in compliance with the former degree regulations - Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.) - Relevant work experience (research grants, scholarships, internship periods, period of employment) - Awards - Knowledge of foreign languages (certifications)
	Scientific publications:	Points: max 5	Manuscripts accepted for publication can also be considered if suitable documentation is provided (conference programme, acceptance letter, DOI etc.)
	Other documents:	Points: max 25	The candidate must submit a RESEARCH PROJECT on one of the priority research topics for which he intends to compete. The research project must include: 1) Project title and abstract (max 500 words) 2) State of the Art of the subject of the project (max one page) 3) Project objectives and scientific and personal motivations for undertaking the specific research proposed and for choosing the PhD course in Fusion Science and Engineering (max one page) 4) Methods proposed to achieve the project objectives, and sequence of activities (max one page) 5) References (max 10) The project should be written in English using an A4 page format, with 2.5 cm margins, single line, font Times New Roman 12pt.
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 14:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://crf.unipd.it/phd/admission">https://crf.unipd.it/phd/admission</a></b> 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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://crf.unipd.it/phd/admission">https://crf.unipd.it/phd/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	16 DECEMBER 2022 09:30 - Centro Ricerche Fusione c/o Consorzio RFX Corso Stati Uniti, 4 35127 Padova		
<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 admission exam will be taken in: english		

<b>Examination topics</b>	Plasma physics and magnetic confinement fusion technology
<b>Didactic program</b>	The teaching activity of the course addresses topics related to Fusion Science and Engineering. Specifically the following three Advanced Courses are offered: - AC1: Physics and Diagnostics of Plasmas - AC2: Plasma Control - AC3: Fusion Technologies Further info: <a href="https://crf.unipd.it/phd/courses">https://crf.unipd.it/phd/courses</a>
<b>PhD Course Website:</b>	<a href="https://crf.unipd.it/phd">https://crf.unipd.it/phd</a>
<b>Further information</b>	<b>Department:</b> Centro di Ateneo "Centro Ricerche Fusione" <b>Address:</b> Corso Stati Uniti - N. 4, 35127 Padova (PD) <b>Contact person:</b> Minicuci Maurizio <b>telephone:</b> 0498295014 <b>e-mail:</b> <a href="mailto:maurizio.minicuci@unipd.it">maurizio.minicuci@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

## PhD Course: GEOSCIENCES

<b>Department</b>	GEOSCIENZE		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 4	<p>1 scholarship funded by Dipartimento di Geoscienze - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S01 - CUP C43C22000340006 - <b>Topic:</b> Advances in landslide mapping and monitoring combining optical and SAR data in an Artificial Intelligence framework;</p> <p>1 scholarship funded by Dipartimento di Geoscienze - su fondi PNRR - progetto Made in Italy circolare e sostenibile - 3A-ITALY PE11-S4 - CUP C93C22005280001 - <b>Topic:</b> Chemical-physical, structural and morphological characterization of new recycled materials for circular economy;</p> <p>1 scholarship funded by Dipartimento di Geoscienze - su fondi PNRR - progetto Multi- Risk sciEnce for resilientT commUnities underR a changiNg climate - RETURN PE3-TS2 - CUP C93C22005160002 - <b>Topic:</b> Multirisk assessment of critical infrastructure;</p> <p>1 scholarship funded by Istituto Nazionale di Geofisica e Vulcanologia - INGV - <b>Topic:</b> Investigation of feasibility and performance of innovative dual function closed-loop heat exchange systems in critical geological environments;</p>
	<b>Total number of positions</b>	n. 4	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 50 Oral examination: points max 50		
<b>Documents to be submitted</b>	Thesis:	Points: max 2	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 20	Please attach along with the curriculum vitae the transcript of records of both Bachelor and Master degrees. In addition, for each qualification, indicate the final evaluation. In addition, provide official documentation of any previous teaching and research experiences, research periods in a foreign country, awards and grants.
	Scientific publications:	Points: max 2	Any publications can be presented. Non-peer review national and international publications, peer-review national and international publications, monographies, geological maps, abstracts and extended abstracts at national and international conferences.
	Other documents:	Points: max 25	The applicant must present a research project (in English; max 8000 characters, spaces included) related to one of the topics presented at <a href="https://www.geoscienze.unipd.it/phd-research-projects-2022">https://www.geoscienze.unipd.it/phd-research-projects-2022</a> . Two reference letters from

			Professors or Researchers from national and/or international Universities and Research Centers and from industries. GRE General Part test, TOEFL, IELTS and similar, if available.
	Further documents that the candidates think relevant to their evaluation:	Points: max 1	
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	<p>Within <b>12 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://www.geoscienze.unipd.it/corsi/scuola-dottorato">https://www.geoscienze.unipd.it/corsi/scuola-dottorato</a></b></p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>		
<b>Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	<p>By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.geoscienze.unipd.it/corsi/scuola-dottorato">https://www.geoscienze.unipd.it/corsi/scuola-dottorato</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.</p>		
<b>Oral examination</b>	16 DECEMBER 2022 09:00 - Sala Ammoniti - Dipartimento di Geoscienze, Via Giovanni Gradenigo, 6 - 35131 Padova		
<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in: italian/english</p>		
<b>Examination topics</b>	Mineralogy, petrology and petrography, geochemistry and volcanology, mineral geological resources, mineralogical and petrographic applications for the environment and cultural heritage, structural geology, stratigraphy, sedimentology, paleontology and paleoecology, physical geography and geomorphology, applied geology, geophysics and applied geophysics. natural and anthropic hazards.		
<b>Didactic program</b>	<p>All teaching activities are in English. In detail, the Ph.D. students must attend compulsory courses mainly during the first year of Ph.D. (Multivariate Analysis, Experimental design, Scientific English for PhD Geosciences students and The PhD student in the research world). Several other courses are organized by the Ph.D. Course. For more info: <a href="http://www.geoscienze.unipd.it/corsi/scuola-dottorato">http://www.geoscienze.unipd.it/corsi/scuola-dottorato</a></p>		
<b>PhD Course Website:</b>	<a href="https://www.geoscienze.unipd.it/corsi/scuola-dottorato">https://www.geoscienze.unipd.it/corsi/scuola-dottorato</a>		
<b>Further information</b>	<p><b>Department:</b> GEOSCIENZE  <b>Address:</b> Via Giovanni Gradenigo - N. 6, 35131 Padova (PD)  <b>Contact person:</b> Congiu Caterina  <b>telephone:</b> 0498279192 <b>e-mail:</b> <a href="mailto:dottorato.geoscienze@unipd.it">dottorato.geoscienze@unipd.it</a></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/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></b></p> <p>The documents must be attached in pdf format.</p> <p>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>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

## PhD Course: INDUSTRIAL ENGINEERING Curriculum in CHEMICAL AND ENVIRONMENTAL ENGINEERING

<b>Department</b>	INGEGNERIA INDUSTRIALE - DII		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 3	<p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi ERCadg ReprOids - <b>Topic:</b> Engineering neuromuscular organoids from the ground state of pluripotency (<b>curriculum:</b> CHEMICAL AND ENVIRONMENTAL ENGINEERING);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi PNRR - progetto Made in Italy circolare e sostenibile - 3A-ITALY PE11-S3 - CUP C93C22005280001 - <b>Topic:</b> Development of innovative chemical processes for the recycling of plastics and synthetic textiles (<b>curriculum:</b> CHEMICAL AND ENVIRONMENTAL ENGINEERING);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi PNRR - progetto Made in Italy circolare e sostenibile - 3A-ITALY PE11-S4 - CUP C93C22005280001 - <b>Topic:</b> Life cycle sustainability assessment studies to optimize production processes and minimize environmental impacts and health and safety risks related to production scraps management (<b>curriculum:</b> CHEMICAL AND ENVIRONMENTAL ENGINEERING);</p>
	<b>Total number of positions</b>	n. 3	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 90 Oral examination: points max 10		
<b>Documents to be submitted</b>	Curriculum:	Points: max 67	<p>- Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale+Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained (max score 45). - Other information (max score 22): 1) Actual length of your studies; 2) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 3) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 4) Scientific awards relevant to the curriculum; 5) Relevance of your profile with respect to the Curriculum indicated as primary choice and with respect to a specific research topic ("Tema Vincolato"), if selected; 6) Other qualifications (e.g., number of A+ grades, graduation with honors, teaching assistantships). WARNING: only the qualifications listed using the "LIST OF QUALIFICATIONS" template will be considered; the</p>

			template is available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Scientific publications:	Points: max 4	Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name, volume, publication year, pages, DOI). Manuscripts accepted for publication will be considered only if DOI is provided. (max score 4). WARNING: insert publication data in the "LIST OF QUALIFICATIONS" template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Other documents:	Points: max 19	1) Preparation of a research project proposal for the three years of the PhD, clearly explaining the scientific and personal reasons for undertaking the specific research proposed and for choosing the PhD school in Industrial Engineering and the Curriculum chosen. The proposed project must be related to that topic (max score 14). 2) Extended abstract of the Master's thesis. If the candidate has not yet graduated, the extended abstract must be signed by the thesis supervisor (max score 2.5). 3) Reference letter written through the PICA web form by a faculty member or a person working in industry (max score 2.5). WARNING: for points 1) and 2) the candidate must use the templates available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue: 13/12/2022 - Dipartimento di Ingegneria Industriale, via Venezia 1, 35131 Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	Short presentation in English of the research project proposal. Follow the instructions and use the slide template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>		
<b>Didactic program</b>	The Training Plan is specific to each PhD student and focuses on the deepening of scientific knowledge through high level specialization courses, seminars and teaching of general and basic tools for research, including soft skills. Further information on the training offer can be found on the website: <a href="https://academics.dii.unipd.it/phd/training">https://academics.dii.unipd.it/phd/training</a>		
<b>PhD Course Website:</b>	<a href="https://academics.dii.unipd.it/phd">https://academics.dii.unipd.it/phd</a>		



<b>Further information</b>	<b>Department:</b> INGEGNERIA INDUSTRIALE - DII <b>Address:</b> Via Giovanni Gradenigo - N. 6/A, 35131 Padova (PD) <b>Contact person:</b> Fazio Valentina <b>telephone:</b> 0498277477 <b>e-mail:</b> dottorato.dii@unipd.it
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: INDUSTRIAL ENGINEERING Curriculum in ELECTRICAL ENGINEERING

<b>Department</b>	INGEGNERIA INDUSTRIALE - DII		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 3	<p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi ALPINESTARS – PROGETTO MISE accordi per l'innovazione - <b>Topic:</b> Development of Devices and Methods for supply and control of wearable motorcycle airbags (<b>curriculum:</b> ELECTRICAL ENGINEERING);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi PNRR - progetto Network 4 Energy Sustainable Transition - NEST PE2-S06 - CUP C93C22005230007 - <b>Topic:</b> Electrochemical System for Long Duration Energy Storage (<b>curriculum:</b> ELECTRICAL ENGINEERING);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi contratto Marelli Europe S.p.A. - <b>Topic:</b> Analysis and design of traction electric motors (<b>curriculum:</b> ELECTRICAL ENGINEERING);</p>
	<b>Total number of positions</b>	n. 3	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 90 Oral examination: points max 10		
<b>Documents to be submitted</b>	Curriculum:	Points: max 67	<p>- Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale+Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained (max score 45). - Other information (max score 22): 1) Actual length of your studies; 2) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 3) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 4) Scientific awards relevant to the curriculum; 5) Relevance of your profile with respect to the Curriculum indicated as primary choice and with respect to a specific research topic ("Tema Vincolato"), if selected; 6) Other qualifications (e.g., number of A+ grades, graduation with honors, teaching assistantships). WARNING: only the qualifications listed using the "LIST OF QUALIFICATIONS" template will be considered; the template is available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a></p>
	Scientific publications:	Points: max 4	Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name,

			volume, publication year, pages, DOI). Manuscripts accepted for publication will be considered only if DOI is provided. (max score 4). <b>WARNING:</b> insert publication data in the “LIST OF QUALIFICATIONS” template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Other documents:	Points: max 19	1) Preparation of a research project proposal for the three years of the PhD, clearly explaining the scientific and personal reasons for undertaking the specific research proposed and for choosing the PhD school in Industrial Engineering and the Curriculum chosen. The proposed project must be related to that topic (max score 14). 2) Extended abstract of the Master’s thesis. If the candidate has not yet graduated, the extended abstract must be signed by the thesis supervisor (max score 2.5). 3) Reference letter written through the PICA web form by a faculty member or a person working in industry (max score 2.5). <b>WARNING:</b> for points 1) and 2) the candidate must use the templates available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue: 13/12/2022 - Dipartimento di Ingegneria Industriale, via Venezia 1, 35131 Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	Short presentation in English of the research project proposal. Follow the instructions and use the slide template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>		
<b>Didactic program</b>	The Training Plan is specific to each PhD student and focuses on the deepening of scientific knowledge through high level specialization courses, seminars and teaching of general and basic tools for research, including soft skills. Further information on the training offer can be found on the website: <a href="https://academics.dii.unipd.it/phd/training">https://academics.dii.unipd.it/phd/training</a>		
<b>PhD Course Website:</b>	<a href="https://academics.dii.unipd.it/phd">https://academics.dii.unipd.it/phd</a>		
<b>Further information</b>	<b>Department:</b> INGEGNERIA INDUSTRIALE - DII <b>Address:</b> Via Giovanni Gradenigo - N. 6/A, 35131 Padova (PD) <b>Contact person:</b> Fazio Valentina <b>telephone:</b> 0498277477 <b>e-mail:</b> <a href="mailto:dottorato.dii@unipd.it">dottorato.dii@unipd.it</a>		

<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/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></b></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: INDUSTRIAL ENGINEERING Curriculum in ENERGY ENGINEERING

<b>Department</b>	INGEGNERIA INDUSTRIALE - DII		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 2	<p>1 scholarship funded by Istituto per le Tecnologie della Costruzione del Consiglio Nazionale delle Ricerche (ITC-CNR) - nell'ambito delle attività del progetto H2020 ENOUGH - European food chain supply to reduce GHG emissions by 2050 - <b>Topic:</b> Demonstration of best technologies for environmental sustainability of refrigerated transport and last mile delivery (<b>curriculum:</b> ENERGY ENGINEERING);</p> <p>1 scholarship funded by Istituto per le Tecnologie della Costruzione del Consiglio Nazionale delle Ricerche (ITC-CNR) - nell'ambito delle attività dell'Ecosistema dell'Innovazione "iNEST Interconnected Nord-Est Innovation Ecosystem"- Piano Nazionale di Ripresa e Resilienza PNRR - <b>Topic:</b> Smart and sustainable HVAC&amp;R solutions for production processes and supply chain in Industry 5.0 (<b>curriculum:</b> ENERGY ENGINEERING);</p>
	<b>Total number of positions</b>	n. 2	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 90 Oral examination: points max 10		
<b>Documents to be submitted</b>	Curriculum:	Points: max 67	<p>- Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale+Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained (max score 45). - Other information (max score 22): 1) Actual length of your studies; 2) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 3) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 4) Scientific awards relevant to the curriculum; 5) Relevance of your profile with respect to the Curriculum indicated as primary choice and with respect to a specific research topic ("Tema Vincolato"), if selected; 6) Other qualifications (e.g., number of A+ grades, graduation with honors, teaching assistantships). WARNING: only the qualifications listed using the "LIST OF QUALIFICATIONS" template will be considered; the template is available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a></p>
	Scientific publications:	Points: max 4	Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name,

			volume, publication year, pages, DOI). Manuscripts accepted for publication will be considered only if DOI is provided. (max score 4). <b>WARNING:</b> insert publication data in the “LIST OF QUALIFICATIONS” template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Other documents:	Points: max 19	1) Preparation of a research project proposal for the three years of the PhD, clearly explaining the scientific and personal reasons for undertaking the specific research proposed and for choosing the PhD school in Industrial Engineering and the Curriculum chosen. The proposed project must be related to that topic (max score 14). 2) Extended abstract of the Master’s thesis. If the candidate has not yet graduated, the extended abstract must be signed by the thesis supervisor (max score 2.5). 3) Reference letter written through the PICA web form by a faculty member or a person working in industry (max score 2.5). <b>WARNING:</b> for points 1) and 2) the candidate must use the templates available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue: 13/12/2022 - Dipartimento di Ingegneria Industriale, via Venezia 1, 35131 Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	Short presentation in English of the research project proposal. Follow the instructions and use the slide template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>		
<b>Didactic program</b>	The Training Plan is specific to each PhD student and focuses on the deepening of scientific knowledge through high level specialization courses, seminars and teaching of general and basic tools for research, including soft skills. Further information on the training offer can be found on the website: <a href="https://academics.dii.unipd.it/phd/training">https://academics.dii.unipd.it/phd/training</a>		
<b>PhD Course Website:</b>	<a href="https://academics.dii.unipd.it/phd">https://academics.dii.unipd.it/phd</a>		
<b>Further information</b>	<b>Department:</b> INGEGNERIA INDUSTRIALE - DII <b>Address:</b> Via Giovanni Gradenigo - N. 6/A, 35131 Padova (PD) <b>Contact person:</b> Fazio Valentina <b>telephone:</b> 0498277477 <b>e-mail:</b> <a href="mailto:dottorato.dii@unipd.it">dottorato.dii@unipd.it</a>		

<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: INDUSTRIAL ENGINEERING Curriculum in MATERIALS ENGINEERING

<b>Department</b>	INGEGNERIA INDUSTRIALE - DII		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi PNRR - progetto Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile – CNMS) CN4-S11 - CUP C93C22002750006 - <b>Topic:</b> Innovative machining-based strategies for surface modification of Additive Manufactured light alloys and metal matrix composites ( <b>curriculum:</b> MATERIALS ENGINEERING);
	<b>Total number of positions</b>	n. 1	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 90 Oral examination: points max 10		
<b>Documents to be submitted</b>	Curriculum:	Points: max 67	- Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale+Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained (max score 45). - Other information (max score 22): 1) Actual length of your studies; 2) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 3) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 4) Scientific awards relevant to the curriculum; 5) Relevance of your profile with respect to the Curriculum indicated as primary choice and with respect to a specific research topic ("Tema Vincolato"), if selected; 6) Other qualifications (e.g., number of A+ grades, graduation with honors, teaching assistantships). WARNING: only the qualifications listed using the "LIST OF QUALIFICATIONS" template will be considered; the template is available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Scientific publications:	Points: max 4	Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name, volume, publication year, pages, DOI). Manuscripts accepted for publication will be considered only if DOI is provided. (max score 4). WARNING: insert publication data in the "LIST OF QUALIFICATIONS" template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Other documents:	Points: max 19	1) Preparation of a research project proposal for the three years of the PhD, clearly explaining the scientific and personal reasons for undertaking the specific research



			<p>proposed and for choosing the PhD school in Industrial Engineering and the Curriculum chosen. The proposed project must be related to that topic (max score 14).</p> <p>2) Extended abstract of the Master's thesis. If the candidate has not yet graduated, the extended abstract must be signed by the thesis supervisor (max score 2.5).</p> <p>3) Reference letter written through the PICA web form by a faculty member or a person working in industry (max score 2.5).</p> <p><b>WARNING:</b> for points 1) and 2) the candidate must use the templates available at:  <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a></p>
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	<p>Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a></b></p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>		
<b>Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	<p>By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.</p>		
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue: 13/12/2022 - Dipartimento di Ingegneria Industriale, via Venezia 1, 35131 Padova		
<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b>  The admission exam will be taken in: english</p>		
<b>Examination topics</b>	Short presentation in English of the research project proposal. Follow the instructions and use the slide template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>		
<b>Didactic program</b>	The Training Plan is specific to each PhD student and focuses on the deepening of scientific knowledge through high level specialization courses, seminars and teaching of general and basic tools for research, including soft skills. Further information on the training offer can be found on the website: <a href="https://academics.dii.unipd.it/phd/training">https://academics.dii.unipd.it/phd/training</a>		
<b>PhD Course Website:</b>	<a href="https://academics.dii.unipd.it/phd">https://academics.dii.unipd.it/phd</a>		
<b>Further information</b>	<p><b>Department:</b> INGEGNERIA INDUSTRIALE - DII</p> <p><b>Address:</b> Via Giovanni Gradenigo - N. 6/A, 35131 Padova (PD)</p> <p><b>Contact person:</b> Fazio Valentina</p> <p><b>telephone:</b> 0498277477 <b>e-mail:</b> <a href="mailto:dottorato.dii@unipd.it">dottorato.dii@unipd.it</a></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/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></b></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>		

## PhD Course: INDUSTRIAL ENGINEERING Curriculum in MECHANICAL ENGINEERING

<b>Department</b>	INGEGNERIA INDUSTRIALE - DII		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 2	<p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi ALPINESTARS – PROGETTO MISE accordi per l'innovazione - <b>Topic:</b> Development of Devices and Methods for supply and control of wearable motorcycle airbags (<b>curriculum:</b> MECHANICAL ENGINEERING);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Industriale - DII - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S05 - CUP C43C22000340006 - <b>Topic:</b> New technologies for smart and innovative production systems and materials (<b>curriculum:</b> MECHANICAL ENGINEERING);</p>
	<b>Total number of positions</b>	n. 2	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 90 Oral examination: points max 10		
<b>Documents to be submitted</b>	Curriculum:	Points: max 67	<p>- Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale+Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained (max score 45). - Other information (max score 22): 1) Actual length of your studies; 2) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 3) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 4) Scientific awards relevant to the curriculum; 5) Relevance of your profile with respect to the Curriculum indicated as primary choice and with respect to a specific research topic ("Tema Vincolato"), if selected; 6) Other qualifications (e.g., number of A+ grades, graduation with honors, teaching assistantships). WARNING: only the qualifications listed using the "LIST OF QUALIFICATIONS" template will be considered; the template is available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a></p>
	Scientific publications:	Points: max 4	<p>Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name, volume, publication year, pages, DOI). Manuscripts accepted for publication will be considered only if DOI is provided. (max score 4). WARNING: insert</p>

			publication data in the “LIST OF QUALIFICATIONS” template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
	Other documents:	Points: max 19	1) Preparation of a research project proposal for the three years of the PhD, clearly explaining the scientific and personal reasons for undertaking the specific research proposed and for choosing the PhD school in Industrial Engineering and the Curriculum chosen. The proposed project must be related to that topic (max score 14). 2) Extended abstract of the Master’s thesis. If the candidate has not yet graduated, the extended abstract must be signed by the thesis supervisor (max score 2.5). 3) Reference letter written through the PICA web form by a faculty member or a person working in industry (max score 2.5). <b>WARNING:</b> for points 1) and 2) the candidate must use the templates available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a></b> 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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue: 13/12/2022 - Dipartimento di Ingegneria Industriale, via Venezia 1, 35131 Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	Short presentation in English of the research project proposal. Follow the instructions and use the slide template available at: <a href="https://academics.dii.unipd.it/phd/admission">https://academics.dii.unipd.it/phd/admission</a>		
<b>Didactic program</b>	The Training Plan is specific to each PhD student and focuses on the deepening of scientific knowledge through high level specialization courses, seminars and teaching of general and basic tools for research, including soft skills. Further information on the training offer can be found on the website: <a href="https://academics.dii.unipd.it/phd/training">https://academics.dii.unipd.it/phd/training</a>		
<b>PhD Course Website:</b>	<a href="https://academics.dii.unipd.it/phd">https://academics.dii.unipd.it/phd</a>		
<b>Further information</b>	<b>Department:</b> INGEGNERIA INDUSTRIALE - DII <b>Address:</b> Via Giovanni Gradenigo - N. 6/A, 35131 Padova (PD) <b>Contact person:</b> Fazio Valentina <b>telephone:</b> 0498277477 <b>e-mail:</b> dottorato.dii@unipd.it		

<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: INFORMATION ENGINEERING

<b>Curricula</b>	<ul style="list-style-type: none"> <li>BIOENGINEERING</li> <li>INFORMATION SCIENCE AND TECHNOLOGY</li> </ul>		
<b>Department</b>	INGEGNERIA DELL'INFORMAZIONE - DEI		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 12	<p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S9 - CUP C93C22005240007 - <b>Topic:</b> Advanced AI-based solutions to improve reliability and assistance of wearable robotic devices (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto Ageing Well in an ageing society - AGE-IT PE8-S9 - CUP C93C22005240007 - <b>Topic:</b> Novel human-robot interactions to enhance the coupling and the usability of assistive robotic devices (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S05 - CUP C43C22000340006 - <b>Topic:</b> Human-machine interfaces for the Industry 5.0: advanced human-robot interaction approaches based on the real-time decoding of the user cognitive states (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto Network 4 Energy Sustainable Transition - NEST PE2-S01 - CUP C93C22005230007 - <b>Topic:</b> Study of photovoltaic concepts and materials (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto RESearch and innovation on future Telecommunications systems and networks, to make Italy more smART - RESTART PE14-S1 - CUP C93C22005250001 - <b>Topic:</b> Beyond 5G user- and data-centric communications (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto RESearch and innovation on future Telecommunications systems and networks, to make Italy more smART - RESTART PE14-S1 - CUP C93C22005250001 - <b>Topic:</b> Metalenses for Optical Space Division Multiplexing (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto RESearch and innovation on future Telecommunications systems and networks, to make Italy more smART - RESTART PE14-S4 - CUP C93C22005250001 - <b>Topic:</b> Advanced imaging techniques for 2D and 3D content</p>

			<p>generation and analysis (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p><b>1</b> scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto REsearch and innovation on future Telecommunications systems and networks, to make Italy more smART - RESTART PE14-S6 - CUP C93C22005250001 - <b>Topic:</b> Services and systems for extreme environments and domain-specific scenarios (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p><b>1</b> scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto REsearch and innovation on future Telecommunications systems and networks, to make Italy more smART - RESTART PE14-S7 - CUP C93C22005250001 - <b>Topic:</b> Secure communications with reflective intelligent surfaces (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p><b>1</b> scholarship funded by Dipartimento di Ingegneria dell'Informazione - DEI - su fondi PNRR - progetto Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile – CNMS) CN4-S13 - CUP C93C22002750006 - <b>Topic:</b> Study of GaN and SiC devices for efficient energy conversion (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p><b>1</b> scholarship funded by Istituto di Elettronica e di Ingegneria dell'Informazione e delle Telecomunicazioni del Consiglio Nazionale delle Ricerche (CNR-IEIIT) - <b>Topic:</b> ICT technologies and resources for advanced manufacturing systems in the Industry 5.0 context, in the framework of the activities of the Ecosistema dell'Innovazione iNEST – Piano Nazionale di Ripresa e Resilienza (PNRR) (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p> <p><b>1</b> scholarship funded by Istituto di Fotonica e Nanotecnologie del Consiglio Nazionale delle Ricerche (CNR-IFN) - <b>Topic:</b> Development of adaptive optics devices and systems (I-PHOQS EXTREME PHOTONICS)+C12:F12 (<b>curriculum:</b> INFORMATION SCIENCE AND TECHNOLOGY);</p>
	<b>Total number of positions</b>	n. 12	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 50 Oral examination: points max 50		
<b>Documents to be submitted</b>	Curriculum:	Points: max 44	It is mandatory to use the CV template available at the following link: <a href="https://phd.dei.unipd.it/wp-content/uploads/2020/03/curriculum_template.docx">https://phd.dei.unipd.it/wp-content/uploads/2020/03/curriculum_template.docx</a>
	Other documents:	Points: max 6	Research project to be prepared according to the template available at the following link: <a href="https://phd.dei.unipd.it/wp-content/uploads/2020/03/project_template.docx">https://phd.dei.unipd.it/wp-content/uploads/2020/03/project_template.docx</a> Up to two reference letters

<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 11:00
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://phd.dei.unipd.it/call-for-admission/">https://phd.dei.unipd.it/call-for-admission/</a></b> 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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://phd.dei.unipd.it/call-for-admission/">https://phd.dei.unipd.it/call-for-admission/</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue dependig on the number of candidates on 13, 14, 15 e 16 December - Dipartimento di Ingegneria dell'informazione, via Giovanni Gradenigo 6/B, 35131 Padova
<b>Language/s</b>	<b>Foreign language/s assessment at the oral examination:</b> The admission examination does not include the assessment of English language proficiency. Nonetheless, in order to successfully carry on the learning and research activities of the PhD program, a B2-level (or higher) proficiency in English is strongly recommended.  <b>Admission exam:</b> The admission exam will be taken in: italian or english
<b>Examination topics</b>	The candidate shall prepare a 10 minutes presentation to introduce him/herself, to explain the motivations to pursue a Ph.D. in Information Engineering, and to discuss the main features of a possible research project on one of the topics of the Ph.D. School ( <a href="http://www.dei.unipd.it/en/research/research-areas">http://www.dei.unipd.it/en/research/research-areas</a> ). The Admission Committee will then discuss with the candidate the details of his/her academic titles, curriculum, and research project and will assess if the candidate masters the methodological tools needed to carry on the project.
<b>Didactic program</b>	- Courses offered by the Ph.D. Program - Summer schools, short courses - Seminars - PhD Educational Week on Transferable Skills For additional information: <a href="https://phd.dei.unipd.it/courses/">https://phd.dei.unipd.it/courses/</a>
<b>PhD Course Website:</b>	<a href="https://phd.dei.unipd.it/">https://phd.dei.unipd.it/</a>
<b>Further information</b>	<b>Department:</b> INGEGNERIA DELL'INFORMAZIONE - DEI <b>Address:</b> Via Giovanni Gradenigo - N. 6/B, 35131 Padova (PD) <b>Contact person:</b> Borgato Sara <b>telephone:</b> 0498277674 <b>e-mail:</b> <a href="mailto:corso.dottorato@dei.unipd.it">corso.dottorato@dei.unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <b><a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

## PhD Course: LAND, ENVIRONMENT, RESOURCES AND HEALTH

<b>Department</b>	TERRITORIO E SISTEMI AGRO-FORESTALI (TESAF)		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 7	<p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S01 - CUP C43C22000340006 - <b>Topic:</b> Mountain forests affected by Natural disturbances. Biological legacies as nature-based solutions for maintaining protective effects (Eco DRR - Ecosystem-based Disaster Risk reduction);</p> <p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S07 - CUP C43C22000340006 - <b>Topic:</b> Advanced consumer analysis. Modelling consumer behavior and preferences toward innovative technologies for circular economy food products;</p> <p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto Growing Resilient Inclusive and Sustainable - GRINS PE9-S6-wp4 - CUP C93C22005270001 - <b>Topic:</b> Developing a forestry sector model for Italy: material flows, economic impacts and related carbon sequestration and energy substitution effects;</p> <p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S02 - CUP C93C22002790001 - <b>Topic:</b> Socioeconomic validation of innovative integrated pest management plans (IPM);</p> <p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S04 - CUP C93C22002790001 - <b>Topic:</b> Identification of forest species and provenances guaranteeing high resilience to climate risks;</p> <p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S05 - CUP C93C22002790001 - <b>Topic:</b> Smart technologies for integrated pasture management;</p> <p>1 scholarship funded by Dipartimento di Territorio e Sistemi Agro-Forestali - TESAF - su fondi PNRR - progetto National Research Centre for Agricultural Technologies CN2-S07 - CUP C93C22002790001 - <b>Topic:</b> Hydrometeorological analysis and development of innovative monitoring techniques for water resources management in marginal areas;</p>
	<b>Total number of positions</b>	n. 7	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 50 Oral examination: points max 50		



<b>Documents to be submitted</b>	Thesis:	Points: max 5	Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor
	Curriculum:	Points: max 10	For the CV please use the Europass format. Indicate the e-mail. Clearly state: the duration of your studies and the date of achievement of the title(s) (including both the Bachelor and the Master degrees, or the five/six year's university course). Indicate: any visiting period spent abroad during your studies (with Erasmus, Time, Erasmus Placement and other programs); any scholarship grant or award; training, teaching and research experiences (research grants, scholarships, and internship periods). Clearly state any certification related to the knowledge of foreign languages. Specify all working experiences in your home country or abroad.
	Scientific publications:	Points: max 10	List the publications inclusive of authors, title, date and editorial information, making a distinction between: a. papers in peer review journals b. other publications
	Other documents:	Points: max 20	a. A research project proposal related to one of the topics presented in <a href="http://www.tesaf.unipd.it/en/research/phd-lerh-program/priority-research-topics">http://www.tesaf.unipd.it/en/research/phd-lerh-program/priority-research-topics</a> , written following the template available in <a href="http://www.tesaf.unipd.it/en/sites/tesaf.unipd.it/en/files/ResearchSynopsisWriting_vers.0.pdf">www.tesaf.unipd.it/en/sites/tesaf.unipd.it/en/files/ResearchSynopsisWriting_vers.0.pdf</a> b. Motivation letter; c. Letter of reference by one or two researchers or supervisors; d. Certificates of English language, e. Full text of published papers.
	Further documents that the candidates think relevant to their evaluation:	Points: max 5	
<b>Preselection: First meeting of the Evaluating Commission</b>	07 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	<p>Within <b>12 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.tesaf.unipd.it/en/research/phd-lerh-program/news">https://www.tesaf.unipd.it/en/research/phd-lerh-program/news</a></p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>		
<b>Publication of the timetable of remote interviews and instructions on how to use the ZOOM video</b>	<p>By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.tesaf.unipd.it/en/research/phd-lerh-program/news">https://www.tesaf.unipd.it/en/research/phd-lerh-program/news</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.</p>		

<b>conferenci ng</b>	
<b>Oral examinatio n</b>	14 DECEMBER 2022 09:00 - The exam may continue: 15/12/2022 ore 09:00 - Dipartimento Territorio e Sistemi Agro-forestali - Viale dell'Università n. 16 - 35020 Legnaro (PD) - Sala Consiliare (3° piano, 1a stecca)
<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: english <b>Admission exam:</b>  The admission exam will be taken in: english
<b>Examinati on topics</b>	Methodology of scientific research. Forest ecology, forest management, biodiversity. Economics, politics and food marketing; economics and forest policy. Viticulture and enology. Hydrology and erosion, fluvial morphology and river restoration. Farm and forest mechanization; technology applied to the conservation agriculture. Pollution, nutrition, food quality and safety
<b>Didactic program</b>	Teaching is organized in 4 groups of courses: A. Training activity; B. Language and computer improvement activities; C. Enhancement of research and intellectual property; D. Other activities. More info available in: <a href="http://www.tesaf.unipd.it/en/research/doctoral-degrees-phd-lerh-program/teaching">http://www.tesaf.unipd.it/en/research/doctoral-degrees-phd-lerh-program/teaching</a>
<b>PhD Course Website:</b>	<a href="http://www.tesaf.unipd.it/en/lerh">http://www.tesaf.unipd.it/en/lerh</a>
<b>Further informatio n</b>	<b>Department:</b> TERRITORIO E SISTEMI AGRO-FORESTALI (TESAF) <b>Address:</b> Viale dell'Università - N. 16, 35020 Legnaro (PD) <b>Contact person:</b> Tosatto Antonella <b>telephone:</b> (+39)0498272685 <b>e-mail:</b> <a href="mailto:antonella.tosatto@unipd.it">antonella.tosatto@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

PhD Course: MATHEMATICAL SCIENCES			
Curricula	<ul style="list-style-type: none"> <li>MATHEMATICS</li> <li>COMPUTATIONAL MATHEMATICS</li> </ul>		
Department	MATEMATICA "TULLIO LEVI-CIVITA" - DM		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 3	<p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S09 - CUP C43C22000340006 - <b>Topic:</b> Finite Element, Mixed Finite Element, and polytopal methods for scalar and vector partial differential equations. Methods of dimensionality reduction and surrogate modeling for Digital Twin development (<b>curriculum:</b> COMPUTATIONAL MATHEMATICS);</p> <p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S09 - CUP C43C22000340006 - <b>Topic:</b> Monitoring of machines and processes with dictionary learning algorithms (<b>curriculum:</b> COMPUTATIONAL MATHEMATICS);</p> <p>1 scholarship funded by Dipartimento di Matematica "Tullio Levi-Civita" - DM - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S10 - CUP C93C22002800006 - <b>Topic:</b> Use of quantum algorithms and quantum computing for simulating the dynamics of nanoscopic molecular aggregates and solid-state systems that interact with thermal baths of various nature. The study will involve both a theoretical analysis of the methods and numerical simulations on state-of-the-art computational infrastructures (<b>curriculum:</b> COMPUTATIONAL MATHEMATICS);</p>
	<b>Total number of positions</b>	n. 3	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 60 Oral examination: points max 40		
Documents to be submitted	Thesis:	Points: max 16	Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by January 31, 2023, 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, if applicable, 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 with respect to the research program of the relevant fellowship (at most 2 pages).
	Further documents that the candidates think relevant to their evaluation:	Points: max 3	
<b>Preselection: First meeting of the Evaluating Commission</b>	07 DECEMBER 2022 14:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>12 DECEMBER 2022</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://dottorato.math.unipd.it/">https://dottorato.math.unipd.it/</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	16 DECEMBER 2022 10:00 - Sala Riunioni 701, Dipartimento di Matematica "Tullio Levi-Civita" - Via Trieste 63, 35121 Padova		
<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 admission exam will be taken in: either italian or english		
<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 two more courses. 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) <b>Contact person:</b> Dalla Costa Loretta <b>telephone:</b> 049 8271300 <b>e-mail:</b> <a href="mailto:loretta.dallacosta@unipd.it">loretta.dallacosta@unipd.it</a>		
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.		
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>		

## PhD Course: MECHATRONICS AND PRODUCT INNOVATION ENGINEERING

<b>Department</b>	TECNICA E GESTIONE DEI SISTEMI INDUSTRIALI - DTG		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Tecnica e Gestione dei Sistemi Industriali - DTG - su fondi PNRR - progetto Made in Italy circolare e sostenibile - 3A-ITALY PE11-S4 - CUP C93C22005280001 - <b>Topic:</b> Innovative metal alloys for industrial products with higher sustainability and for more efficient recycling;
	<b>Total number of positions</b>	n. 1	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 80 Oral examination: points max 20		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 25	The curriculum must contain all detailed information regarding all the qualifications received with the date, name of the school, name of the qualification and evaluation in numbers respect to the maximum, scholarships and / or research grants (if any), international experiences, awards and recognitions.
	Scientific publications:	Points: max 2	Publications must be already published or in press (means already accepted). Please specify the editorial collocation (journal, proceeding or others).
	Other documents:	Points: max 48	1) Two reference letters signed by two relevant academics. 2) A document with the research project proposal for the 3 years phd programme, with also the personal motivations towards this specific Doctoral Course instead of others. Candidates need to provide evidence on their expertise in the topics.
<b>Preselection: First meeting of the Evaluating Commission</b>	07 DECEMBER 2022 11:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>12 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="http://www.gest.unipd.it/it/ricerca/corsi-di-dottorato/ingegneria-meccatronica-e-dellinnovazione-meccanica-del-prodotto">http://www.gest.unipd.it/it/ricerca/corsi-di-dottorato/ingegneria-meccatronica-e-dellinnovazione-meccanica-del-prodotto</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>15 DECEMBER 2022</b> the commission will publish on the course website <a href="http://www.gest.unipd.it/it/ricerca/corsi-di-dottorato/ingegneria-meccatronica-e-dellinnovazione-meccanica-del-prodotto">http://www.gest.unipd.it/it/ricerca/corsi-di-dottorato/ingegneria-meccatronica-e-dellinnovazione-meccanica-del-prodotto</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	14 DECEMBER 2022 11:00 - Dipartimento di Tecnica e Gestione dei sistemi Industriali, saletta riunioni, Stradella San Nicola 3, corpo d 2° piano, 36100 Vicenza
<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 admission exam will be taken in: italian
<b>Examination topics</b>	10 minutes presentation of the research project proposal of the candidate to be developed during the doctoral programme. Following, discussion concerning scientific topics linked with the research proposal. Finally, motivational interview.
<b>Didactic program</b>	The educational programme consists in seminars, courses and laboratory activities on specific scientific topics and soft skills. All the teaching activities are in english. Link1: <a href="http://www.gest.unipd.it/en/research/phd-programmes/mechatronics-and-product-innovation-engineering/individual-training-plan">http://www.gest.unipd.it/en/research/phd-programmes/mechatronics-and-product-innovation-engineering/individual-training-plan</a> Lin 2: <a href="https://elearning.unipd.it/dtg/course/view.php?id=1657">https://elearning.unipd.it/dtg/course/view.php?id=1657</a>
<b>PhD Course Website:</b>	<a href="http://www.gest.unipd.it/it/ricerca/corsi-di-dottorato/ingegneria-meccatronica-e-dellinnovazione-meccanica-del-prodotto">http://www.gest.unipd.it/it/ricerca/corsi-di-dottorato/ingegneria-meccatronica-e-dellinnovazione-meccanica-del-prodotto</a>
<b>Further information</b>	<b>Department:</b> TECNICA E GESTIONE DEI SISTEMI INDUSTRIALI - DTG <b>Address:</b> Stradella San Nicola - N. 3, 36100 Vicenza (VI) <b>Contact person:</b> Esposito Tania <b>telephone:</b> 0444998715 <b>e-mail:</b> dottorato.dtg@unipd.it
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

PhD Course: MOLECULAR MEDICINE			
Curricula	<ul style="list-style-type: none"> <li>BIOMEDICINE</li> <li>REGENERATIVE MEDICINE</li> </ul>		
Department	MEDICINA MOLECOLARE - DMM		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Medicina Molecolare - DMM - su fondi PNRR - progetto One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases - INF-ACT PE13-S4 - CUP C93C22005170007 - <b>Topic:</b> Identification and testing of novel therapeutic targets and new inhibitory molecules against arboviruses and other vector-borne pathogens ( <b>curriculum:</b> BIOMEDICINE);
	Total number of positions	n. 1	
Selection criteria	EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation of qualifications: First meeting of the Evaluating Commission	06 DECEMBER 2022 13:30		
Publication of the evaluation of the qualifications	Within <b>12 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/dottorato-medicina-molecolare/ammissioni-e-bandi">https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/dottorato-medicina-molecolare/ammissioni-e-bandi</a>		
Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/dottorato-medicina-molecolare/ammissioni-e-bandi">https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/dottorato-medicina-molecolare/ammissioni-e-bandi</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview		
Oral examination	15 DECEMBER 2022 13:30 - Aula di Microbiologia presso Edificio di Microbiologia, Via A. Gabelli n. 63, 35121 Padova		
Evaluation criteria	Qualifications: points max 15 Oral examination: points max 85		
Documents to be submitted	Thesis:	Points: max 7	To be presented in pdf format. (Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 5	To be presented in pdf format.
	Scientific publications:	Points: max 3	Pdf of each publication must be attached.

<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in italian or english</p>
<b>Examination topics</b>	<p>Discussion about previous scientific experiences and the research project which the candidate will develop. General knowledge of Biomedicine and Basic Sciences: Microbiology and Virology, Molecular Biology, Cell biology, strategies for the development of new antimicrobial drugs. NOTE: ADMISSION TO THE INTERVIEW (ORAL EXAM) IS OPENED TO ALL APPLICANTS IRRESPECTIVELY FROM THE SCORE OBTAINED IN THE QUALIFICATIONS ASSESSMENT</p>
<b>Didactic program</b>	<p>The didactic program includes practical laboratory and internal seminar activities, seminars by external invited speakers, Winter School. Every 6 months PhD students will expose the advancement of his/her data to the PhD Committee.  <a href="https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/dottorato-medicina-molecolare/educational-offer">https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/dottorato-medicina-molecolare/educational-offer</a></p>
<b>PhD Course Website:</b>	<p><a href="https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/phd-molecular-medicine">https://www.medicinamolecolare.unipd.it/ricerca/dottorati-di-ricerca/phd-molecular-medicine</a></p>
<b>Further information</b>	<p><b>Department:</b> MEDICINA MOLECOLARE - DMM  <b>Address:</b> Via A. Gabelli - N. 63, 35121 Padova (PD)  <b>Contact person:</b> Turrini Eleonora  <b>telephone:</b> 0498218883 <b>e-mail:</b> <a href="mailto:eleonora.turrini@unipd.it">eleonora.turrini@unipd.it</a></p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a>  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>23 December 2022</b>  Beginning of PhD courses <b>1 February 2023</b></p>



## PhD Course: MOLECULAR SCIENCES in agreement with CONSIGLIO NAZIONALE DELLE RICERCHE (CNR)

<b>Curricula</b>	<ul style="list-style-type: none"> <li>CHEMICAL SCIENCES</li> <li>PHARMACEUTICAL SCIENCES</li> </ul>		
<b>Department</b>	SCIENZE CHIMICHE - DiSC		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 10	<p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto Made in Italy circolare e sostenibile - 3A-ITALY PE11-S3 - CUP C93C22005280001 (Supervisor: Giulia Licini) - <b>Topic:</b> Plant-based materials and chemicals: design and synthesis from renewable, non-edible biomass residues (<b>curriculum:</b> CHEMICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto Made in Italy circolare e sostenibile - 3A-ITALY PE11-S3 - CUP C93C22005280001 (Supervisor: Marco Frascioni) - <b>Topic:</b> Porous materials for the recovery of precious metals (<b>curriculum:</b> CHEMICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S02 - CUP C93C22002780006 (Supervisor: Ildiko Szabo) - <b>Topic:</b> Development of a semisynthetic nanostructured system for the selective delivery of nucleic acid therapeutics to the tumor site (<b>curriculum:</b> PHARMACEUTICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S06 - CUP C93C22002780006 (Supervisor: Francesca Mastrotto) - <b>Topic:</b> Engineering hybrid nanocarriers for miRNA intracellular restoration in the treatment of T-Large Granular Lymphocyte Leukemia (<b>curriculum:</b> PHARMACEUTICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S07 - CUP C93C22002780006 (Supervisor: Alberta Ferrarini) - <b>Topic:</b> Multiscale modeling of soft materials for mRNA delivery (<b>curriculum:</b> CHEMICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S07 - CUP C93C22002780006 (Supervisor: Stefano Moro) - <b>Topic:</b> Exploring the RNA-protein recognition pathways using time-dependent computational approaches (<b>curriculum:</b> PHARMACEUTICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S06 - CUP C93C22002780006 (Supervisor: Claudia Sissi) - <b>Topic:</b> Development of chemically modified ASOs targeting long non-coding RNA as novel therapeutic</p>

			<p>(<b>curriculum:</b> PHARMACEUTICAL SCIENCES);  <b>1</b> scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto Network 4 Energy Sustainable Transition - NEST PE2-S01 - CUP C93C22005230007 (Supervisor: Lorenzo Franco) -  <b>Topic:</b> Advanced concepts &amp; materials for next generation solar cells (<b>curriculum:</b> CHEMICAL SCIENCES);  <b>1</b> scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile – CNMS) CN4-S14 - CUP C93C22002750006 (Supervisor: Silvia Gross) - <b>Topic:</b> Wet-chemistry rational approaches for the development of innovative materials for low temperature fuel cells and electrolyzers  (<b>curriculum:</b> CHEMICAL SCIENCES);  <b>1</b> scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases - INF-ACT PE13-S5 CUP C93C22005170007 (Supervisor: Cristina Peggion) -  <b>Topic:</b> Drug design and synthesis: search for new antiviral and antimicrobial agents (<b>curriculum:</b> CHEMICAL SCIENCES);</p>
	<b>Total number of positions</b>	n. 10	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		
<b>Documents to be submitted</b>	Thesis:	Points: max 4	Applicants in possession of MSc-degree (or equivalent): electronic copy of the MSc-thesis (or equivalent). Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31th January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor
	Curriculum:	Points: max 23	The CV should include 1) List of all exams (including votes) followed during the academic study (both BSc and MSc). For candidates with a foreign degree also the scoring scale has to be provided. 2) Starting date of the academic study leave with certificates) 3) Final examination vote (for candidates that have already graduated) 4) Documents that certify relevant study of work experiences abroad (with indication of the duration in months)
	Scientific publications:	Points: max 1	Only scientific publications that are indexed on ISI/Scopus or accepted for publication (evidenced by a DOI) will be taken into consideration. Abstracts of conferences will not be considered.
	Other documents:	Points: max 12	1) Original research project to be carried out during the doctorate (max. 2 pages, font: 11, line spacing: 1.1). The project must be consistent with the topic of the scholarship for which the candidate is applying 2) Up to 2 reference letters from italian or foreign teachers and/or experts 3) Awards obtained relevant to the study path

<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 09:00
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://phd.chimica.unipd.it/cdsm/admission/results-ranking">https://phd.chimica.unipd.it/cdsm/admission/results-ranking</a></b> 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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://phd.chimica.unipd.it/cdsm/admission/results-ranking">https://phd.chimica.unipd.it/cdsm/admission/results-ranking</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	12 DECEMBER 2022 10:30 - The exam may continue: 13/12/2022 - Dipartimento di Scienze Chimiche (Aula E), Via Marzolo 1, 35131 Padova
<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 admission exam will be taken in: in italian or english
<b>Examination topics</b>	The oral exam will consist of an interview aimed at ascertaining the preparation, planning skills and motivational aspects of the candidates.
<b>Didactic program</b>	The course offers a training program to enhance the skills and capacities of the PhD-students. The program addresses the improvement of both scientific and transferable skills. A full list of the course programme is available at <a href="https://phd.chimica.unipd.it/cdsm/training">https://phd.chimica.unipd.it/cdsm/training</a>
<b>PhD Course Website:</b>	<a href="https://phd.chimica.unipd.it/cdsm/">https://phd.chimica.unipd.it/cdsm/</a>
<b>Further information</b>	<b>Department:</b> SCIENZE CHIMICHE - DiSC <b>Address:</b> Via Marzolo - N. 1, 35131 Padova (PD) <b>Contact person:</b> Menna Anna <b>telephone:</b> 0498275657 <b>e-mail:</b> <a href="mailto:dottorati.chimica@unipd.it">dottorati.chimica@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <b><a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

## PhD Course: NEUROSCIENCE

<b>Department</b>	Centro di Ateneo "Padova Neuroscience Center"		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Centro di Ateneo Padova Neuroscience Center (PNC) - su fondi PNRR - progetto National Center for Gene Therapy and Drugs based on RNA Technology CN3-S03 - CUP C93C22002780006 - <b>Topic:</b> Patient-Specific iPSCs-Based Models of Neurodegenerative Diseases;
	<b>Total number of positions</b>	n. 1	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 50 Oral examination: points max 50		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 30	
	Other documents:	Points: max 15	Research project of max 3 pages on a research line that is compatible with that of the PhD position of this PNRR call.
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 14:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://pnc.unipd.it/admission/">https://pnc.unipd.it/admission/</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://pnc.unipd.it/admission/">https://pnc.unipd.it/admission/</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 14:30 - The exam may continue: 13/12/2022, 14.30 - Sala Seminari del Veneto Institute Molecular Medicine (VIMM) in Via Giuseppe Orus 2, Palazzina A, 35129 Padova		

<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in: english</p>
<b>Examination topics</b>	During the oral examination, candidates will be asked to explain the motivations that lead them to undertake a PhD in Neuroscience, and to concisely expose their scientific interests in this field. During the exam, candidates will also discuss their submitted Research Project. The Admission Committee will also discuss with the candidate her/his CV and qualifications. Finally, part of the oral examination will be used to verify the suitability of the candidate for the chosen research-bounded fellowship.
<b>Didactic program</b>	Besides from weekly journal clubs & seminars, the educational offer includes: Basic courses on: Neuroanatomy, physiology, cognition, methodology, Stats & maths, Soft skills & research training. Advanced courses on: Programming & Computational skills; molecular, cellular, cognitive, behavioral, clinical Neuroscience. For more information: <a href="http://pnc.unipd.it/teaching-activities/">http://pnc.unipd.it/teaching-activities/</a>
<b>PhD Course Website:</b>	<a href="https://pnc.unipd.it/phd-neuroscience/">https://pnc.unipd.it/phd-neuroscience/</a>
<b>Further information</b>	<p><b>Department:</b> Centro di Ateneo "Padova Neuroscience Center"</p> <p><b>Address:</b> Via Giuseppe Orus - N. 2b, 35129 Padova (PD)</p> <p><b>Contact person:</b> Garbinato Martina</p> <p><b>telephone:</b> 0498212623 <b>e-mail:</b> <a href="mailto:martina.garbinato@unipd.it">martina.garbinato@unipd.it</a></p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: PEDAGOGICAL, EDUCATIONAL AND INSTRUCTIONAL SCIENCES

Curricula	<ul style="list-style-type: none"> <li>PEDAGOGICAL SCIENCES</li> <li>RESEARCH ON INCLUSION, WELL-BEING, SUSTAINABILITY IN EDUCATION</li> </ul>		
Department	FILOSOFIA, SOCIOLOGIA, PEDAGOGIA E PSICOLOGIA APPLICATA (FISPPA)		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 2	<p>1 scholarship funded by external bodies a valere sulle risorse straordinarie DM 752/2021 - <b>Topic:</b> Peer education models and practices for university educational guidance (<b>curriculum:</b> PEDAGOGICAL SCIENCES);</p> <p>1 scholarship funded by Dipartimento di Filosofia, Sociologia, Pedagogia e Psicologia Applicata - FISPPA - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S05 CUP C43C22000340006 - <b>Topic:</b> Integration between Early childhood care centers, Schools, Social and Health services as a human and technological environment to prevent the impact of vulnerability on children's development: monitoring and evaluation of the implementation of the RPMOnline 2.0 tool in 10 Local Authorities in the Triveneto area experimenting the P.I.P.P.I. national Program (<b>curriculum:</b> PEDAGOGICAL SCIENCES);</p>
	Total number of positions	n. 2	
Selection criteria	EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation of qualifications: First meeting of the Evaluating Commission	05 DECEMBER 2022 10:00		
Publication of the evaluation of the qualifications	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=178669">https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=178669</a>		
Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://ssu.elearning.unipd.it/mod/page/view.php?id=178669">https://ssu.elearning.unipd.it/mod/page/view.php?id=178669</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview		
Oral examination	12 DECEMBER 2022 12:00 - The exam may continue: 13/12/2022 ore 9.00 - Aula Multimediale Via Beato Pellegrino, 28 - Padova		
Evaluation criteria	<p>Qualifications: points max 40</p> <p>Oral examination: points max 60</p>		

<b>Documents to be submitted</b>	Thesis:	Points: max 8	Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor
	Curriculum:	Points: max 7	Curriculum including university exams
	Scientific publications:	Points: max 3	Abstract of the presented papers
	Other documents:	Points: max 20	Argued and documented proposal of a research area / project (max 12,000 characters - spaces included / bibliography excluded) Motivational profile
	Further documents that the candidates think relevant to their evaluation:	Points: max 2	
<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 admission exam will be taken in: italian		
<b>Examination topics</b>	Pedagogical and training sciences - General and social pedagogy - Didactic sciences and technologies of education and communication - Special pedagogy and inclusive education - Methodology of educational research and evaluation - Historical-educational and comparative research.		
<b>Didactic program</b>	Ph.D. students will attend seminars held by professors of the Doctoral Course and other international scholars; soft-skill seminars are offered; internalization is fostered through joint supervision and visiting scholarship. <a href="https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=178693">https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=178693</a>		
<b>PhD Course Website:</b>	<a href="https://elearning.unipd.it/scienzeumane/course/view.php?id=289">https://elearning.unipd.it/scienzeumane/course/view.php?id=289</a>		
<b>Further information</b>	<b>Department:</b> FILOSOFIA, SOCIOLOGIA, PEDAGOGIA E PSICOLOGIA APPLICATA (FISPPA) <b>Address:</b> Via Capitaniato - N. 3, 35139 Padova (PD) <b>Contact person:</b> pittella Antonella <b>telephone:</b> 049 8274720 <b>e-mail:</b> dottorati.fisppa@unipd.it		
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.		
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>		

## PhD Course: PHYSICS in agreement with Istituto Nazionale di Fisica Nucleare – INFN

<b>Department</b>	FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 6	<p><b>1</b> scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S03 - CUP C93C22002810006 - <b>Topic:</b> Critical phenomena and scaling laws in non-equilibrium complex systems;</p> <p><b>1</b> scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S03 - CUP C93C22002810006 - <b>Topic:</b> Stochastic modeling of complex systems: from spin glasses to biological complexity;</p> <p><b>1</b> scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S02 - CUP C93C22002800006 - <b>Topic:</b> Computational cosmology for future experiments;</p> <p><b>1</b> scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S02 - CUP C93C22002800006 - <b>Topic:</b> Mining cosmology with Euclid;</p> <p><b>1</b> scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S02 - CUP C93C22002800006 - <b>Topic:</b> Reducing the bias of New Physics searches at the CMS experiment with a triggerless infrastructure;</p> <p><b>1</b> scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto National Centre for HPC, Big Data and Quantum Computing CN1-S10 - CUP C93C22002800006 - <b>Topic:</b> Quantum Computation within the National Center for HPC, Big Data and Quantum Computing;</p>
	<b>Total number of positions</b>	n. 6	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		



<b>Documents to be submitted</b>	Thesis:	Points: max 5	Applicants who already hold a Master degree should submit the thesis work (pdf) together with its summary (2 pages maximum). Applicants who don't hold a Master degree yet but who expect to get it by the 31st of January 2023 should submit a summary of the master thesis project (4 pages maximum) signed by the applicant and the supervisor.
	Curriculum:	Points: max 20	Bachelor degree grade and weighted average of the grades of the exams taken for the master's degree or mean of the grades of the exams taken for the degree in the old University system (4 years). CV complete of publication list, presentations at conferences, prizes, scholarships, stages and schools, Erasmus stays, visits at other Universities, Laboratories or research institutes.
	Other documents:	Points: max 15	At least one and no more than two reference letters; one motivational letter (2 pages maximum) which clarifies the research interests of the applicant, explaining in particular how those fit the research lines present in the Department.
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 09:00		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	12 DECEMBER 2022 09:00 - The exam may continue: 13, 14 and 15/12/2022 ore 9:00 - Dipartimento di Fisica ed Astronomia, Via Marzolo, 8 - 35131 Padova		
<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 admission exam will be taken in: italian or english, at the candidate's choice		
<b>Examination topics</b>	Physics of fundamental interactions, Astrophysics and Astro-particle Physics, Cosmology, Nuclear Physics, Biophysics, Statistical Physics and Physics of Complex Systems, Physics of Matter and Applied Physics		
<b>Didactic program</b>	During the I and II year the students follow courses of 24 hours each in English; each student takes exams for 4 courses in Physics, 3 of which within year I, and follows a course to develop transversal competences: "Teaching for learning" or, in alternative, "UE research funding". More information at this URL: <a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/didactics/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/didactics/</a>		
<b>PhD Course Website:</b>	<a href="https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/">https://www.dfa.unipd.it/didattica/dottorati-di-ricerca/phd-physics/</a>		
<b>Further information</b>	<b>Department:</b> FISICA E ASTRONOMIA "GALILEO GALILEI" - DFA <b>Address:</b> Via Marzolo - N. 8, 35131 Padova (PD) <b>Contact person:</b> Mazzucco Cristina <b>telephone:</b> 0498277089 <b>e-mail:</b> <a href="mailto:cristina.mazzucco@unipd.it">cristina.mazzucco@unipd.it</a>		

<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/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></b></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: PSYCHOLOGICAL SCIENCES

<b>Department</b>	PSICOLOGIA GENERALE - DPG		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 2	<p><b>1</b> scholarship funded by Dipartimento di Psicologia Generale - DPG - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S05 - CUP C43C22000340006 - <b>Topic:</b> Psychophysiological assessment and innovative interventions for preventing stress-related psychopathological conditions among young adults;</p> <p><b>1</b> scholarship funded by Dipartimento di Psicologia Generale - DPG - su fondi PNRR - progetto Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile – CNMS) CN4-S08 - CUP C93C22002750006 - <b>Topic:</b> Human factors in sustainable mobility choices;</p>
	<b>Total number of positions</b>	n. 2	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 60 Oral examination: points max 40		
<b>Documents to be submitted</b>	Curriculum:	Points: max 30	The template for the CV presentation should be downloaded from the course website ( <a href="http://dottorato.psy.unipd.it/en/content/admission">http://dottorato.psy.unipd.it/en/content/admission</a> ). Applicants should fill out the whole form with all required information. As for the Bachelor degree, please provide all required information. For the Master degree, the mean grade obtained in the exams will be evaluated. Honors, awards, scholarships and any eventual certification concerning English competence will be also considered. Finally, research and training experience will be evaluated. In order to present the CV, it is MANDATORY to USE the PREPARED TEMPLATE, filling out ALL the available fields.
	Scientific publications:	Points: max 5	Please, indicate the website where your publications, if any, are uploaded. If this is not available, the publications can be uploaded with the application.
	Other documents:	Points: max 25	1) Research project describing: state of the art (500 words max.), project objectives (500 words max.), project description (700 words max.), working program (500 words max.) and references; 2) Motivation letter (500 words max.) 3) Two reference letters by either Italian or foreign researchers/professors.
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 09:00		

<b>Publication of the results of the evaluation of the preselection</b>	<p>Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="http://dottorato.psy.unipd.it/it/content/ammissione">http://dottorato.psy.unipd.it/it/content/ammissione</a></b></p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>
<b>Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	<p>By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="http://dottorato.psy.unipd.it/it/content/ammissione">http://dottorato.psy.unipd.it/it/content/ammissione</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.</p>
<b>Oral examination</b>	<p>14 DECEMBER 2022 09:00 - Aula 1 - Dipartimento di Psicologia dello Sviluppo e della Socializzazione, Via Venezia 8 Padova (piano terra).</p>
<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in italian or in english</p>
<b>Examination topics</b>	<p>For the candidates passing titles' evaluation, the interview will concern the discussion of the research project proposed for the application, the motivation letter, and the curriculum of the applicant.</p>
<b>Didactic program</b>	<p>Mandatory courses in methodology, statistics, programming and practical skills are offered along with other non-compulsory courses (all taught in English). Students have to attend to School Lunch and School Meeting series, where students and professor give talks. More info can be found here: <a href="http://dottorato.psy.unipd.it/en/content/courses">http://dottorato.psy.unipd.it/en/content/courses</a></p>
<b>PhD Course Website:</b>	<p><a href="http://dottorato.psy.unipd.it/">http://dottorato.psy.unipd.it/</a></p>
<b>Further information</b>	<p><b>Department:</b> PSICOLOGIA GENERALE - DPG  <b>Address:</b> Via Venezia - N. 8, 35131 Padova (PD)  <b>Contact person:</b> Gabrieli Stefania  <b>telephone:</b> 0498276492 <b>e-mail:</b> <a href="mailto:dottorato.psicologia@unipd.it">dottorato.psicologia@unipd.it</a></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/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</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>23 December 2022</b>  Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: SCIENCE AND ENGINEERING OF MATERIALS AND NANOSTRUCTURES

<b>Department</b>	SCIENZE CHIMICHE - DiSC		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 6	<p>1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto ETIC - Einstein Telescope IR_ETIC- WP7 - CUP I53C21000420006 - <b>Topic:</b> Optical coatings for gravitational wave interferometers;</p> <p>1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S05 - CUP C43C22000340006 - <b>Topic:</b> Atmospheric pressure plasma innovative processes inducing nanomaterials organisation;</p> <p>1 scholarship funded by Dipartimento di Fisica e Astronomia "Galileo Galilei" - DFA - su fondi PNRR - progetto Network 4 Energy Sustainable Transition - NEST PE2-S09 - CUP C93C22005230007 - <b>Topic:</b> Advanced and sustainable nanocomposites for sunlight-assisted hydrogen production;</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto Network 4 Energy Sustainable Transition - NEST PE2-S06 - CUP C93C22005230007 - <b>Topic:</b> Characterization and development of electrode materials and electrolytes for chemical and electrochemical storage processes and devices;</p> <p>1 scholarship funded by Dipartimento di Scienze Chimiche - DiSC - su fondi PNRR - progetto Sustainable Mobility Center (Centro Nazionale per la Mobilità Sostenibile – CNMS) CN4-S14 - CUP C93C22002750006 - <b>Topic:</b> Carbon dioxide as a tool for hydrogen and energy storage by means of thermochemical catalysis – solar fuels;</p> <p>1 scholarship funded by Eurac Research, Bolzano (IT) - <b>Topic:</b> Development of nano-engineered treatments for the prevention/delay of ice formation on rotor blades of unmanned aerial vehicles (UAV);</p>
	<b>Total number of positions</b>	n. 6	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		

<b>Documents to be submitted</b>	Thesis:	Points: max 10	Applicants who already obtained the MSc degree (or equivalent) are required to submit a summary of the master thesis project of max. 2 pages (signed by the applicant) along with a copy of the thesis. Applicants waiting to be awarded the MSc (or equivalent) qualification by January 31, 2023 are required to submit a summary of the master thesis project (max. 2 pages) signed by both the applicant and the supervisor. The congruence of the thesis topic with respect to the Research Areas of the PhD Course ( <a href="https://phd.chimica.unipd.it/simn/research/research-areas">https://phd.chimica.unipd.it/simn/research/research-areas</a> ) will be evaluated.
	Curriculum:	Points: max 25	Applicants must submit their CV prepared mandatorily following the template which can be downloaded at the PhD Course webpage: <a href="https://phd.chimica.unipd.it/simn/admission">https://phd.chimica.unipd.it/simn/admission</a> The CV must contain in particular: 1) for both the Bachelor (BSc) and Master (MSc) degrees, the transcript of records (ToR), which should report the grades for each exam, their average grade, the final grade, the duration of the degree and the enrollment date; 2) other qualifications that the Applicant considers relevant to the evaluation (publications, oral presentations at conferences, periods spent in Italian or foreign Universities or Research Laboratories, etc.)
	Other documents:	Points: max 5	Motivation Letter describing the Applicant's research interests, motivating in particular how these can be achieved within the SIMN PhD Course
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 14:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://phd.chimica.unipd.it/simn/results">https://phd.chimica.unipd.it/simn/results</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://phd.chimica.unipd.it/simn/results">https://phd.chimica.unipd.it/simn/results</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	13 DECEMBER 2022 14:30 - The exam may continue: 14-15/12/2022 14:30 - Dipartimento di Scienze Chimiche, Aula C, via Marzolo 1, Padova		
<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: english  <b>Admission exam:</b> The admission exam will be taken in: italian or english		

<b>Examination topics</b>	The interview will assess the competences of the candidate about the basic theories and the techniques for the experimental/numerical study of microscopic and macroscopic properties of materials and of their synthesis, in particular through: (i) the discussion on his/her master thesis work and (ii) the proposal of a research project for the PhD that should be coherent with the topics of the SIMN Course ( <a href="https://phd.chimica.unipd.it/simn/research/research-areas">https://phd.chimica.unipd.it/simn/research/research-areas</a> ) and that should be performed under the supervision of a Member of the Academic Board of the SIMN Course ( <a href="https://phd.chimica.unipd.it/simn/academic-board">https://phd.chimica.unipd.it/simn/academic-board</a> ).
<b>Didactic program</b>	- attendance and successful exam passing of advanced courses for at least 96 hours; - attendance of Soft-Skills courses, e.g., the "PhD Educational Week on Transferable Skills" organized by the University; - participation in National/International Schools; - attendance of at least 10 hours of advanced seminars. <a href="https://phd.chimica.unipd.it/simn/events-and-seminars/courses">https://phd.chimica.unipd.it/simn/events-and-seminars/courses</a>
<b>PhD Course Website:</b>	<a href="https://phd.chimica.unipd.it/simn/">https://phd.chimica.unipd.it/simn/</a>
<b>Further information</b>	<b>Department:</b> SCIENZE CHIMICHE - DiSC <b>Address:</b> Via Marzolo - N. 1, 35131 Padova (PD) <b>Contact person:</b> Menna Anna <b>telephone:</b> 049 827 5657 <b>e-mail:</b> <a href="mailto:dottorati.chimica@unipd.it">dottorati.chimica@unipd.it</a>
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>

PhD Course: SCIENCES OF CIVIL, ENVIRONMENTAL AND ARCHITECTURAL ENGINEERING			
Curricula	<ul style="list-style-type: none"> <li>RISK, VULNERABILITY, ENVIRONMENT, HEALTH AND TERRITORY</li> <li>MATERIALS, STRUCTURES, COMPLEX SYSTEMS AND ARCHITECTURE</li> </ul>		
Department	INGEGNERIA CIVILE, EDILE E AMBIENTALE - ICEA		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 7	<p>1 scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S04 - CUP C43C22000340006 (Supervisore prof. Andrea Giordano) - <b>Topic:</b> Understanding complexities of Cultural Heritage: digital visualization and interoperable communication of historical architectures in the urban system (<b>curriculum:</b> MATERIALS, STRUCTURES, COMPLEX SYSTEMS AND ARCHITECTURE);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto Growing Resilient Inclusive and Sustainable - GRINS PE9-S6-WP2-3 - CUP C93C22005270001 (Supervisore dott.ssa Francesca Ceccato) - <b>Topic:</b> Upgrading of regional landslide inventories for the realization of regional sustainability maps accounting landslide risk (<b>curriculum:</b> RISK, VULNERABILITY, ENVIRONMENT, HEALTH AND TERRITORY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto Multi- Risk sciEnce for resilienT commUnities underR a changiNg climate - RETURN PE3-DS - CUP C93C22005160002 (Supervisore prof. Marco Marani) - <b>Topic:</b> Statistical modelling of fluvial and coastal flooding (<b>curriculum:</b> RISK, VULNERABILITY, ENVIRONMENT, HEALTH AND TERRITORY);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto Multi- Risk sciEnce for resilienT commUnities underR a changiNg climate - RETURN PE3-TS2 - CUP C93C22005160002 (Supervisore prof. Carlo Pellegrino) - <b>Topic:</b> Ageing issues and damage detection in civil infrastructure critical components (<b>curriculum:</b> MATERIALS, STRUCTURES, COMPLEX SYSTEMS AND ARCHITECTURE);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto Multi- Risk sciEnce for resilienT commUnities underR a changiNg climate - RETURN PE3-TS2 - CUP C93C22005160002 (Supervisore prof. Carlo Pellegrino) - <b>Topic:</b> Assessment and risk mitigation techniques in critical bridge infrastructures (<b>curriculum:</b> MATERIALS, STRUCTURES, COMPLEX SYSTEMS AND ARCHITECTURE);</p> <p>1 scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S07 -</p>



			<p>CUP C93C22002810006 (Supervisore prof.ssa Maria Cristina Lavagnolo) - <b>Topic:</b> 'One Health' approach in waste management and role of the environmental communication (<b>curriculum:</b> RISK, VULNERABILITY, ENVIRONMENT, HEALTH AND TERRITORY);</p> <p><b>1</b> scholarship funded by Dipartimento di Ingegneria Civile, Edile e Ambientale - ICEA - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S07 - CUP C93C22002810006 (Supervisor prof.ssa Maria Cristina Lavagnolo, prof. Alberto Lanzavecchia) - <b>Topic:</b> Economic, social and environmental impact of industrial and commercial activities on biodiversity through pilot cases of circular economy and green economy (<b>curriculum:</b> RISK, VULNERABILITY, ENVIRONMENT, HEALTH AND TERRITORY);</p>
	<b>Total number of positions</b>	n. 7	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 60 Oral examination: points max 40		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 20	
	Scientific publications:	Points: max 5	
	Other documents:	Points: max 30	Research project. Reference letters (maximum 2).
<b>Preselection: First meeting of the Evaluating Commission</b>	05 DECEMBER 2022 14:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>06 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.dicea.unipd.it/dottorato/news">https://www.dicea.unipd.it/dottorato/news</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>06 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.dicea.unipd.it/dottorato/news">https://www.dicea.unipd.it/dottorato/news</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	16 DECEMBER 2022 14:30 - Sala Donghi, Dipartimento di Ingegneria Civile, Edile e Ambientale. Via Marzolo 9, 35131 Padova.		

<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in: italian or english</p>
<b>Examination topics</b>	The examination will focus on the oral discussion of the research proposal submitted by the candidates. In addition, the candidate's general knowledge will be verified on related issues of the research proposal.
<b>Didactic program</b>	During the first year, each PhD student has to complete his/her educational program which consists of 6 courses divided as follows: - 4 courses chosen among the courses offered by this PhD course - 2 courses chosen among the courses offered by this course and/or offered by other PhD courses. Educational offer of this PhD course: <a href="https://www.dicea.unipd.it/en/phd-course/courses-catalogue">https://www.dicea.unipd.it/en/phd-course/courses-catalogue</a>
<b>PhD Course Website:</b>	<a href="https://www.dicea.unipd.it/dottorato">https://www.dicea.unipd.it/dottorato</a>
<b>Further information</b>	<p><b>Department:</b> INGEGNERIA CIVILE, EDILE E AMBIENTALE - ICEA</p> <p><b>Address:</b> Via Marzolo - N. 9, 35131 Padova (PD)</p> <p><b>Contact person:</b> Brunetta Francesco</p> <p><b>telephone:</b> 0498275849 <b>e-mail:</b> francesco.brunetta@unipd.it</p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: SCIENTIFIC, TECHNOLOGICAL AND SOCIAL METHODS ENABLING CIRCULAR ECONOMY

<b>Curricula</b>	<ul style="list-style-type: none"> <li>CIRCULAR ANTHROPOGENIC ENVIRONMENT AND SOCIETY</li> <li>TECHNICAL MATERIALS FOR CIRCULARITY</li> <li>CIRCULAR BIOMATERIALS AND BIOREFINERY</li> </ul>		
<b>Department</b>	INGEGNERIA INDUSTRIALE - DII		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 2	<p>1 scholarship funded by Fondazione Edmund Mach - CUP D43C22001370006 - <b>Topic:</b> LCA applied and agro-food processing chains in a mountain territory (<b>curriculum:</b> CIRCULAR BIOMATERIALS AND BIOREFINERY);</p> <p>1 scholarship funded by Università della Basilicata - nell'ambito delle attività del progetto europeo "Decentralized Composting in small town" - DeCost - <b>Topic:</b> LCA for the evaluation of different closed-loop systems of organic waste valorization (<b>curriculum:</b> CIRCULAR BIOMATERIALS AND BIOREFINERY);</p>
	<b>Total number of positions</b>	n. 2	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 60 Oral examination: points max 40		
<b>Documents to be submitted</b>	Thesis:	Points: max 18	Extended summary of the master's / specialist / old system degree thesis. (max. 4 pages) For candidates who have not yet obtained the master's degree (or equivalent), the summary must be countersigned by the supervisor; signed by the applicant and the supervisor)
	Curriculum:	Points: max 33	1) Relevance of your profile with respect to the Curriculum indicated and with respect to a specific research topic ("Tema Vincolato") selected; 2) Proposal for a research project pertaining to the specific topic for the three-year period of the doctorate. The project proposal must be prepared according to the "PhD project proposal" model available at the link <a href="https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy">https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy</a> . 3) Certificate of Grade Point Average weighted by the number of credits for exams taken in the Laurea Triennale + Magistrale/Specialistica or arithmetic average for exams taken in the Laurea Vecchio Ordinamento. For students with a foreign degree, provide the Grade Point Average (GPA) for each degree obtained. Certificate of the actual length of your studies
	Scientific publications:	Points: max 3	Scientific publications: publications in journals/conferences proceedings/books and patents; report full bibliographical information (name of authors, journal or conference name, volume, publication year, pages, DOI). Manuscripts

			accepted for publication will be considered only if DOI is provided.
	Other documents:	Points: max 6	1) Time spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis abroad, etc.); 2) Relevant work experience after graduation (research grants, scholarships, internship periods, period of employment); 3) Scientific awards relevant to the curriculum; 4) Other qualifications (e.g., teaching assistantships) Reference letter written through the PICA web form by a faculty member or a person working in industry
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 10:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy">https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>12 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy">https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	14 DECEMBER 2022 11:00 – <del>Orale telematico via Zoom</del> Dipartimento di Ingegneria Industriale - sala riunioni edificio ex fisica tecnica Via Marzolo 9 - Padova		
<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 admission exam will be taken in: english		
<b>Examination topics</b>	Knowledge of Life cycle assessment issues in particular in the areas covered by the research topic Knowledge of the English language		
<b>Didactic program</b>	<a href="https://www.unipd.it/en/national-phd-programme-scientific-technological-and-social-methods-enabling-circular-economy">https://www.unipd.it/en/national-phd-programme-scientific-technological-and-social-methods-enabling-circular-economy</a>		
<b>PhD Course Website:</b>	<a href="https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy">https://www.unipd.it/dottorato/scientific-technological-social-methods-enabling-circular-economy</a>		
<b>Further information</b>	<b>Department:</b> INGEGNERIA INDUSTRIALE - DII <b>Address:</b> Via Giovanni Gradenigo - N. 6a, 35131 Padova (PD) <b>Contact person:</b> Dabalà Manuele <b>telephone:</b> +390498275749 <b>e-mail:</b> manuele.dabala@unipd.it		
<b>How to apply</b>	The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a> 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.		
<b>Deadlines</b>	Publication of the ranking lists and enrollment from <b>23 December 2022</b> Beginning of PhD courses <b>1 February 2023</b>		

## PhD Course: SOCIAL SCIENCES

<b>Department</b>	FILOSOFIA, SOCIOLOGIA, PEDAGOGIA E PSICOLOGIA APPLICATA (FISPPA)		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 2	<p><b>1</b> scholarship funded by Dipartimento di Economia dell'Università Ca' Foscari di Venezia su fondi Progetto Age-IT - area tematica 8 "Conseguenze e sfide dell'invecchiamento" - articolo 1 dell' Avviso pubblico per la presentazione di Proposte di intervento per la creazione di "Partenariati estesi alle università, ai centri di ricerca, alle aziende per il finanziamento di progetti di ricerca di base" nell'ambito del PNRR - <b>Topic:</b> Ageing, care and gender inequalities in a intersectional perspective;</p> <p><b>1</b> scholarship funded by Dipartimento di Economia dell'Università Ca' Foscari di Venezia su fondi Progetto Age-IT - area tematica 8 "Conseguenze e sfide dell'invecchiamento" - articolo 1 dell' Avviso pubblico per la presentazione di Proposte di intervento per la creazione di "Partenariati estesi alle università, ai centri di ricerca, alle aziende per il finanziamento di progetti di ricerca di base" nell'ambito del PNRR - <b>Topic:</b> Long-term care policies and social investment;</p>
	<b>Total number of positions</b>	n. 2	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 40 Oral examination: points max 60		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 5	Include the scores obtained.
	Scientific publications:	Points: max 5	Attach copy of publications or communication at Congress and Conference.
	Other documents:	Points: max 25	Outline of a research project pertinent to the lines of research of the PhD Program (MAX 12000 characters, excluding references). In the research project, applicants have to take into account the research line "Institutional Processes and Practices of Social Production and Reproduction" ( <a href="https://socialsciences.fisppa.unipd.it/research-line/institutional-processes-and-practices-of-social-production-and-reproduction/">https://socialsciences.fisppa.unipd.it/research-line/institutional-processes-and-practices-of-social-production-and-reproduction/</a> )
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 15:00		

<b>Publication of the results of the evaluation of the preselection</b>	<p>Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=61599&amp;lang=it">https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=61599&amp;lang=it</a></p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>
<b>Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	<p>By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=61599&amp;lang=it">https://elearning.unipd.it/scienzeumane/mod/page/view.php?id=61599&amp;lang=it</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.</p>
<b>Oral examination</b>	15 DECEMBER 2022 15:00 - Dipartimento di Filosofia, sociologia, pedagogia e psicologia applicata (FISPPA) via Cesarotti, 10-12, Padova
<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in: italian or english</p>
<b>Examination topics</b>	Sociology of labour and migration, General Sociology, Social Statistic, Demography. The exam will pay particular attention to the line of research "Institutional Processes and Practices of Social Production and Reproduction". Applicants can find here more information about the lines of research: <a href="https://socialsciences.fisppa.unipd.it/research-lines/">https://socialsciences.fisppa.unipd.it/research-lines/</a>
<b>Didactic program</b>	In the first year Lectures and Seminars are concerning theories and methods of social sciences' field. Methodological workshops are based on qualitative methods, textual analysis, and statistics for the social sciences. The second and third year are focused on field research. A period of research abroad for at least three months is required. More info: <a href="https://socialsciences.fisppa.unipd.it/">https://socialsciences.fisppa.unipd.it/</a>
<b>PhD Course Website:</b>	<a href="https://socialsciences.fisppa.unipd.it/it/">https://socialsciences.fisppa.unipd.it/it/</a>
<b>Further information</b>	<p><b>Department:</b> FILOSOFIA, SOCIOLOGIA, PEDAGOGIA E PSICOLOGIA APPLICATA (FISPPA)</p> <p><b>Address:</b> Piazza Capitaniato - N. 3, 35139 Padova (PD)</p> <p><b>Contact person:</b> Pittella Antonella</p> <p><b>telephone:</b> 0498274720 <b>e-mail:</b> <a href="mailto:postlauream.fisppa@unipd.it">postlauream.fisppa@unipd.it</a></p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>

## PhD Course: STATISTICAL SCIENCES

<b>Department</b>	SCIENZE STATISTICHE		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 1	1 scholarship funded by Dipartimento di Scienze Statistiche - su fondi PNRR - progetto Growing Resilient Inclusive and Sustainable - GRINS PE9-S6-WP1 CUP C93C22005270001 - <b>Topic:</b> Collection of available information on carbon emission time series (hourly/daily frequency) for European countries (total, by sector, by region). Definition of an online database of carbon emissions, electricity generation (fossil and renewable sources), and climate change mitigation policies in European countries. Estimation of seasonal and yearly Marginal Emission Factors (MEF) of the electricity demand and supply at different levels. Introduction of mitigation policy indicators in MEFs models to estimate their impact on marginal emissions. Scenario analysis on future MEFs conditional to various emission mitigation policies related to different industries, at the national and regional levels;
	<b>Total number of positions</b>	n. 1	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 60 Oral examination: points max 40		
<b>Documents to be submitted</b>	Curriculum:	Points: max 46	The curriculum has to be prepared by filling the template CV_XXXVIII available on the Course web page <a href="http://www.stat.unipd.it/ricerca/ammissione">http://www.stat.unipd.it/ricerca/ammissione</a> and uploading the filled template. The candidate must also upload the record of exams and marks of first and second cycle degrees.
	Scientific publications:	Points: max 3	Any books, articles or theses authored/co-authored by the candidate related to the field of studies must be listed in the template CV_XXXVIII. No upload of publications files is required.
	Other documents:	Points: max 11	At most 2 reference letters. GRE, GRE Mathematics, if available; TOEFL, IELTS and similar Language certifications, if available. Summary of a master thesis project, written in the dedicated section of the template CV_XXXVIII.
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 10:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>09 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <a href="https://www.stat.unipd.it/ricerca/ammissione">https://www.stat.unipd.it/ricerca/ammissione</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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>09 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.stat.unipd.it/ricerca/ammissione">https://www.stat.unipd.it/ricerca/ammissione</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
<b>Oral examination</b>	13 DECEMBER 2022 14:30 - The exam may continue: 14/12/2022 and 15/12/2022 - Dipartimento di Scienze Statistiche, via C. Battisti 241, Padova
<b>Language/s</b>	<p><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</p> <p><b>Admission exam:</b> The admission exam will be taken in: english</p>
<b>Examination topics</b>	The oral exam will evaluate the scientific background of the candidate, in particular the knowledge of the course prerequisites ( <a href="https://www.stat.unipd.it/sites/stat.unipd.it/files/2020_Prerequisites.pdf">https://www.stat.unipd.it/sites/stat.unipd.it/files/2020_Prerequisites.pdf</a> ). English proficiency will also be evaluated. Finally, the oral exam will also ascertain the motivation, commitment and interest in pursuing a PhD programme at the University of Padua.
<b>Didactic program</b>	The Course is held in English. First year: foundation courses on Functional Analysis, Probability Theory, Programming Metodologies, Theory and Methods of Inference, Statistical Models and specialised short courses and seminars. Second and third year: research and thesis preparation; Statistical Consulting course. Info: <a href="mailto:phd@stat.unipd.it">phd@stat.unipd.it</a> ; <a href="https://www.stat.unipd.it/ricerca/dottorato-di-ricerca">https://www.stat.unipd.it/ricerca/dottorato-di-ricerca</a>
<b>PhD Course Website:</b>	<a href="https://www.stat.unipd.it/ricerca/dottorato-di-ricerca">https://www.stat.unipd.it/ricerca/dottorato-di-ricerca</a>
<b>Further information</b>	<p><b>Department:</b> SCIENZE STATISTICHE</p> <p><b>Address:</b> Via Cesare Battisti - N. 241, 35121 Padova (PD)</p> <p><b>Contact person:</b> Ceron Susi</p> <p><b>telephone:</b> +39 0498274167 <b>e-mail:</b> <a href="mailto:dottorato@stat.unipd.it">dottorato@stat.unipd.it</a></p>
<b>How to apply</b>	<p>The application must be submitted only via the online procedure available at: <a href="https://pica.cineca.it/unipd/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>



## PhD Course: VETERINARY SCIENCES AND FOOD SAFETY

<b>Department</b>	MEDICINA ANIMALE, PRODUZIONI E SALUTE - MAPS		
<b>Duration</b>	3 years		
<b>Number of positions</b>	Scholarships funded by external public or private bodies/Departments	n. 3	<p>1 scholarship funded by Dipartimento di Biomedicina Comparata e Alimentazione - BCA - su fondi PNRR - progetto Ecosistema Innovazione iNEST – Interconnected Nord-Est Innovation Ecosystem EI-S08 CUP C43C22000340006 - <b>Topic:</b> Development and application of innovative systems for of large marine vertebrates;</p> <p>1 scholarship funded by Dipartimento di Biomedicina Comparata e Alimentazione - BCA - su fondi PNRR - progetto National Biodiversity Future Center –NBFC CN5-S01 CUP C93C22002810006 - <b>Topic:</b> Monitoring host/microbe biodiversity in the era of climate change;</p> <p>1 scholarship funded by Dipartimento di Medicina Animale, Produzioni e Salute - MAPS - su fondi PNRR - progetto One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases - INF-ACT PE13-S1 CUP C93C22005170007 - <b>Topic:</b> Monitoring the emergence of new viruses at the human-animal interface;</p>
	<b>Total number of positions</b>	n. 3	
<b>Selection criteria</b>	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
<b>Oral examination via remote interview:</b>	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
<b>Evaluation criteria</b>	Qualifications: points max 30 Oral examination: points max 70		
<b>Documents to be submitted</b>	Thesis:	Points: max 5	Pdf format of a copy of the Master Thesis. Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 31st January 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor.
	Curriculum:	Points: max 13	- Use the Europass template and sign at the end of the document (upload as pdf format). Clearly indicate the e-mail. Clearly state: the duration of your studies, the date of achievement of the degree(s) (including both the Bachelor and the Master degrees, or the five/six year's university course) and the transcript of records. - Indicate: any visiting period spent abroad during your studies (e.g. Erasmus grants, Time, Erasmus Placement, thesis or practical abroad, etc.) or any internationalization experience; - any scholarship grant or award; training, teaching and research experiences (research grants, scholarships, and internship periods). - any soft skill; - Clearly state any certification related to the knowledge of foreign languages; - Specify all working experiences in your Home Country or abroad.

	Scientific publications:	Points: max 1	Provide the pdf version of the publications and of the publications list, inclusive of authors, title, date and editorial information.
	Other documents:	Points: max 11	1. Motivational letter including: i) the motivation for which the candidate wishes to do a doctorate, why in Veterinary Sciences and Food Safety and why on the selected topic/project (maximum 1500 characters including spaces); ii) a short (maximum 3000 characters including spaces) description of how the chosen project would be performed and what impact this could give in the specific area. 2. two reference letters from Professors of Academia or other people working in scientific fields from research Institutions/Industries (excluding the potential tutor of the project).
<b>Preselection: First meeting of the Evaluating Commission</b>	06 DECEMBER 2022 10:30		
<b>Publication of the results of the evaluation of the preselection</b>	Within <b>07 DECEMBER 2022</b> the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: <b><a href="https://www.dottorato.veterinaria.unipd.it">https://www.dottorato.veterinaria.unipd.it</a></b> 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 timetable of remote interviews and instructions on how to use the ZOOM video conferencing</b>	By <b>07 DECEMBER 2022</b> the commission will publish on the course website <a href="https://www.dottorato.veterinaria.unipd.it">https://www.dottorato.veterinaria.unipd.it</a> the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
<b>Oral examination</b>	13 DECEMBER 2022 14:00 - The exam may continue: 14 and 15 December 2022 - Saletta Riunioni Dipartimento MAPS, secondo piano Cà gialla, Agripolis, Viale dell'Università, 16 -35020 - Legnaro (PD).		
<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: english.  <b>Admission exam:</b> The admission exam will be taken in: italian or english.		
<b>Examination topics</b>	The oral interview will consist of a discussion on: - the chosen research topic, - the small project idea that the candidate has to write into the motivation letter on the selected topic, - soft skills of the candidate, - the curriculum submitted by the candidate.		
<b>Didactic program</b>	Nine compulsory modules are provided on the following subjects: in-depth disciplinary, thematic or curricular courses, language and computer improvement activities, statistics, enhancement of research results and intellectual property. Eligible courses/seminars are also provided. For more details: <a href="https://www.dottorato.veterinaria.unipd.it/education">https://www.dottorato.veterinaria.unipd.it/education</a>		
<b>PhD Course Website:</b>	<a href="https://www.dottorato.veterinaria.unipd.it/">https://www.dottorato.veterinaria.unipd.it/</a>		
<b>Further information</b>	<b>Department:</b> MEDICINA ANIMALE, PRODUZIONI E SALUTE - MAPS <b>Address:</b> Viale dell'Università - N. 16, 35020 Legnaro (PD) <b>Contact person:</b> Stivanello Simonetta <b>telephone:</b> 0498272560 <b>e-mail:</b> <a href="mailto:simonetta.stivanello@unipd.it">simonetta.stivanello@unipd.it</a>		

<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/dottorati38pnrr/">https://pica.cineca.it/unipd/dottorati38pnrr/</a></b></p> <p>The documents must be attached in pdf format.</p> <p>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>23 December 2022</b></p> <p>Beginning of PhD courses <b>1 February 2023</b></p>