PhD Course: BRAIN, MIND AND COMPUTER SCIENCE **in agreement with Fondazione Bruno Kessler**			
Curricula	☐ NEUROSCIENCE, TECHNOLOGY, AND SOCIETY ☐ COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION		
Department	PSICOLOGIA GENERALE - DPG		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 4	
	University Scholarships co-funded by the Departments	n. 1	Funding Departments: PSICOLOGIA GENERALE – DPG Psicologia dello Sviluppo e della Socializzazione - DPSS Matematica "Tullio Levi-Civita" - DM
	Scholarships funded by institution arrangement	n. 2	**1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Extracting information from clinical documents in a multilingual perspective (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**); **1** scholarship funded by Fondazione Bruno Kessler **- Topic:** Virtual coaching interventions for patient care and well-being in oncology (**curriculum: NEUROSCIENCE, TECHNOLOGY, AND SOCIETY**);
	Scholarships funded by external public or private bodies/Departments	n. 5	**1** scholarship funded by Aptuit (Verona) S.r.l. - An Evotec company **- Topic:** Development and application of innovative machine learning/artificial intelligence approaches for the prediction of chemical reactions (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**); **1** scholarship funded by Innova S.p.A. **- Topic:** Analysis of vulnerabilities for inferring data related to a vehicle, assuming physical access to interfaces such as OBD for CAN-bus (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**); **1** scholarship funded by Smart PhD - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART **- Topic:** Toward Automotive Cybersecurity, compliance with ISO 21434 standard and UNECE R155/R156 regulations (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**); **1** scholarship funded by Smart PhD - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART **- Topic:** Vision and AI for garden care (**curriculum: COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION**); **1** scholarship funded by Symrise S.r.l. **- Topic:** Development of a sebaceous gland organoid as a study model

			(**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY);
	Total number of positions	**n. 12**	
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 10	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2022 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 10	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) prepared according to the guidelines published on this page http://hit.psy.unipd.it/BMCS/admission. Reference letters (maximum 2). Attestation/certification of level of English language profiency released by any authorized agency.
Preselection: First meeting of the Evaluating Commission	06 JUNE 2022 09:00		
Publication of the results of the evaluation of the preselection	Within **07 JUNE 2022** the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: **http://hit.psy.unipd.it/BMCS/admission** 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 **07 JUNE 2022** the commission will publish on the course website http://hit.psy.unipd.it/BMCS/admission 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	09 JUNE 2022 09:00 - Human Inspired Technology Research Centre, via Luzzatti 4, Padova		

Language/s	**Foreign language/s assessment at the oral examination:** At the oral examination the commission will assess the knowledge of the following language/s: English **Admission exam:** The admission exam will be taken in: English
Examination topics	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.
Didactic program	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 ((http://hit.psy.unipd.it/BMCS/teaching-offer).
PhD Course Website:	http://hit.psy.unipd.it/BMCS
Further information	**Department:** PSICOLOGIA GENERALE - DPG **Address:** Via Venezia - N. 8, 35131 Padova (PD) **Contact person:** Mezzetti Giovanna **telephone**: 049/8276593 **e-mail:** phd.bmcs@unipd.it
How to apply	The application must be submitted only via the online procedure available at: **https://pica.cineca.it/unipd/dottorati38** The documents must be attached in pdf format. The application and the attached documents are submitted authomatically by closing the online procedure. So no hard copy of the application and of the documents must be sent to the office.
Deadlines	Publication of the ranking lists and enrollment from **1 July 2022** Beginning of PhD courses **1 October 2022**