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 external public or private bodies/Departments	n. 7	**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 **- Topic:** High Performance Computing and Big Data (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); **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 **-** **Topic:** Human factors in smart living environments (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **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 **- Topic:** Psychological wellbeing in living environments (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **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 **- Topic:** Tailored nutrition and physical exercise interventions in older adults (**curriculum:** NEUROSCIENCE, TECHNOLOGY, AND SOCIETY); **1** scholarship funded by Dipartimento di Scienze Biomediche - su fondi PNRR - progetto ELIXIR x NextGenerationIT - ELIXIRxNextGenIT IR0000010 - CUP B53C22001800006 e TOSA_EPPRES22_01 **-** **Topic:** Development of the APICURON database for the recognition of biocuration activities (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION); **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:** Learning and inference in hybrid AI models with application to understanding multi-modal data (**curriculum:** COMPUTER SCIENCE FOR SOCIETAL CHALLENGES AND INNOVATION);
	Total number of positions	n. 7	

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 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.
Preselection: First meeting of the Evaluating Commission	06 DECEMBER 2022 09:00		
Publication of the results of the evaluation of the preselection	Within **07 DECEMBER 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 DECEMBER 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	15 DECEMBER 2022 10:00 - Human Inspired 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:** Romagnolo Carla **telephone**: 049/8276375 **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/dottorati38pnrr/** 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.
Deadlines	Publication of the ranking lists and enrollment from **23 December 2022** Beginning of PhD courses **1 February 2023**