



Psychology Faculty

Second-Cycle Degree Course in Cognitive Processes and Technologies

The Degree Course

The Second-Cycle Degree in Cognitive Processes and Technologies is aimed at the acquisition of advanced theoretical and methodological knowledge in the field of psychology by adopting an interdisciplinary approach to the study of the mind-brain system, of the man-machine interaction and of human interaction in the new social environments. The adopted perspective is based on an interdisciplinary approach integrating technological and cognitive approaches allowing to gain a deeper insight into human action focusing the training provision and other training activities mainly on multimedia educational aspects and on man-machine interaction. The training path is characterised by training experiences and significant periods of research in highly qualified laboratories in the field of multimodal interaction (cognitive interfaces, multimedia etc.) also in order to make the application of the acquired skills fully operational. Training periods in external structures are envisaged as well. In addition, the students are given the opportunity to attend courses abroad in the framework of international exchange and cooperation programmes implemented jointly with foreign universities. This study course is aimed at training Italian students to interact at an international level and at attracting students coming from other countries. This study course will see a significant presence of lecturers coming from foreign institutions working in the Faculty and provides skills aimed at constructively facing various application settings, through a problem-solving approach, and more specifically:

- Ability to carry on fully autonomous basic and applied research work in the field of cognitive processes and of their application to technologies;
- Ability to design models and interventions to re-organise interfaces between man and complex systems based on cognitive processes relying on experimental as well as on simulation methods;
- Ability to design man-machine interaction systems from an emotional-persuasive perspective assessing their effectiveness in the various (health, school-academic, corporate) application contexts.
- Ability to design and implement technologies for decision-making processes and, in general, for people support.

The course specific objectives can be ascribed to three areas of a psychologist's basic expertise and are structured according to three different paths: "Human-Computer Interaction and e-Learning", "Technologies for Clinical Support to the Person" and "Social Media and Communication".

Second-Cycle Degree Course in Cognitive Processes and Technologies

Path: **Human Computer Interaction and E-learning**

I YEAR

- Social psychology of web-based relationships
- Developmental psychology and technologies
- Language of the new media
- Technologies and support to the person
- Cognitive processes and technologies
- Law and New Media

II YEAR

- Man-Machine Interaction
- Computational models of social and cognitive dynamics
- Data analysis
- Teaching and learning technologies and processes
- Design and teaching methods in e-Learning
- Free-choice activity
- Training and orienting stages
- Final exam

Path: **Technologies of Clinical Support to the Person**

I YEAR

- Social psychology of web-based relationships
- Developmental psychology and technologies
- Language of the new media
- Technologies and support to the person
- Cognitive processes and technologies
- Law and New Media

II YEAR

- Teaching and learning technologies and processes
- Psychopathology of development and traumatic stress
- Neurobiological effects of stress
- Intervention methods in groups and organizations
- Assessment of stress conditions
- Free-choice activity
- Training and orienting stages
- Final exam

Path: **Social Media and Communication**

I YEAR

- Social psychology of web-based relationships
- Developmental psychology and technologies
- Language of the new media
- Technologies and support to the person
- Cognitive processes and technologies
- Law and New Media

II YEAR

- Teaching and learning technologies and processes
- Psychology and ethics of communication
- Social networks and media
- Web-based tools for social media
- Computational models of social and cognitive dynamics
- Free-choice activities
- Training and orienting stages
- Final exam

How to enrol

Enrolment can only be made on the Internet in the area devoted to the Administrative Secretariat of the portal www.uninettunouniversity.net.

Payments can be made online by credit card or through bank transfer or postal service.

zione 1: Argomenti

- Introduzione
- Economia aziendale nasce in Italia nel corso degli anni '20 ad opera del prof. Gino Zappa.
- I rapporti con la ragioneria.
- I rapporti con le tecniche.
- I rapporti con l'organizzazione.
- Il valore unificante dell'Economia aziendale.

Materiale didattico relativo a questa lezione

- Slides
- Libri e articoli
- CD-Rom
- Bibliografia
- Sinografia
- Laboratorio virtuale
- Esercizi
- Aule Virtuali Svo

Videolesson of prof. William Fabricius