



COGNITIVE NEUROSCIENCE

Enrollment year	2022/2023
Academic year	2022/2023
Regulations	DM270
Department	DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES
Course	PSYCHOLOGY, NEUROSCIENCE AND HUMAN SCIENCES
Curriculum	Cognitive Psychology and Neuroscience
Year of study	1°
Period	Annual (03/10/2022 - 16/06/2023)
ECTS	18
Language	

The activity is split

509980 - **COGNITIVE NEUROPSYCHOLOGY**

508545 - **EXPERIMENTAL PSYCHOLOGY**

509981 - **RESEARCH METHODS**



COGNITIVE NEUROPSYCHOLOGY

Enrollment year	2022/2023
Academic year	2022/2023
Regulations	DM270
Academic discipline	M-PSI/02 (PSYCHOBIOLOGY AND PHYSIOLOGICAL PSYCHOLOGY)
Department	DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES
Course	PSYCHOLOGY, NEUROSCIENCE AND HUMAN SCIENCES
Curriculum	Cognitive Psychology and Neuroscience
Year of study	1°
Period	2nd semester (30/01/2023 - 16/06/2023)
ECTS	6
Lesson hours	36 lesson hours
Language	English
Activity type	WRITTEN AND ORAL TEST
Teacher	SALVATO GERARDO - 6 ECTS
Prerequisites	Useful but not necessary prerequisites are basic knowledge of the physiology of the central and peripheral nervous system (e.g. brain cells, action potential, neuroanatomy)
Learning outcomes	<p>The main objective of the course is to provide the theoretical and methodological foundations of neuropsychology, presenting the clinical symptoms, theoretical interpretations and neural bases of the main neuropsychological disorders resulting from acquired brain injury.</p> <p>The expected outcomes are:</p> <ul style="list-style-type: none">- Ability to understand and use knowledge in the field of clinical neuropsychology.- Ability to interpret a neuropsychological examination.- Ability to formulate diagnostic hypotheses about neuropsychological deficits.
Course contents	History of neuropsychology.

Methodological foundations of neuropsychology: simple and double dissociation between symptoms and signs; neuropsychological syndromes.
Neuropsychological assessment: clinical examination.
Oral language disorders: aphasias.
Memory disorders.
Attention disorders.
Disorders of object, colour and face recognition: agnosia.
Disorders of spatial cognition: unilateral spatial neglect and other spatial deficits.
Consciousness disorders
Executive deficits.
Dementia

Teaching methods

The course is based on lectures and group activities. Power Point presentations and video recordings are used for the lectures, which are made available to students in the teaching section on the KIRO platform. During the exercises, students are guided in the evaluation of clinical cases of neuropsychology. Attendance at lectures and tutorials is strongly recommended.

Reccomended or required readings

Textbook: Denes, G., & Pizzamiglio, L. (Eds.). (1999). Handbook Of Clinical And Experimental Neuropsychology (1st ed.). Psychology Press. <https://doi.org/10.4324/9781315791272>

Assessment methods

The examination consists of a written test with 30 multiple-choice questions and an oral interview at the student's request. A minimum score of 18/30 on the multiple-choice questions is a prerequisite for passing the examination and access to the oral test if required. The multiple-choice questions contain 3 answers of which only one is correct. One point is awarded for each correct answer and 0 points for errors or omissions.

Further information

Sustainable development goals - Agenda 2030

Health and wellbeing
[\\$Ibl legenda sviluppo sostenibile](#)



EXPERIMENTAL PSYCHOLOGY

Enrollment year	2022/2023
Academic year	2022/2023
Regulations	DM270
Academic discipline	M-PSI/01 (GENERAL PSYCHOLOGY)
Department	DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES
Course	PSYCHOLOGY, NEUROSCIENCE AND HUMAN SCIENCES
Curriculum	Cognitive Psychology and Neuroscience
Year of study	1°
Period	1st semester (03/10/2022 - 21/12/2022)
ECTS	6
Lesson hours	36 lesson hours
Language	English
Activity type	WRITTEN AND ORAL TEST
Teacher	VECCHI TOMASO ELIA (titolare) - 4 ECTS FERRARI CHIARA - 2 ECTS
Prerequisites	Advanced knowledge on cognitive processes and methods in neuroscience and experimental psychology.
Learning outcomes	This course is designed to familiarize the student with typical methods and techniques employed in psychology research.
Course contents	The course introduces students to experimental research methodology, with an overview of basic concepts such as experimental variables, experimental control, and causal inferences. We will also describe the principles of experimental design and analyses and we will discuss the strengths and weaknesses of experimental methodology in different research contexts. Teaching methods include both lectures and practical works on published papers.

Teaching methods

Lessons and dedicated seminars (analyses of scientific texts).

**Reccomended or required
readings**

Vecchi T. & Gatti D. (2020). Memory as prediction. MIT Press,
Cambridge,
US

Oral and individual written essay



RESEARCH METHODS	
Enrollment year	2022/2023
Academic year	2022/2023
Regulations	DM270
Academic discipline	M-PSI/01 (GENERAL PSYCHOLOGY)
Department	DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES
Course	PSYCHOLOGY, NEUROSCIENCE AND HUMAN SCIENCES
Curriculum	Cognitive Psychology and Neuroscience
Year of study	1°
Period	2nd semester (30/01/2023 - 16/06/2023)
ECTS	6
Lesson hours	36 lesson hours
Language	English
Activity type	WRITTEN AND ORAL TEST
Teacher	CHIERCHIA GABRIELE SAM - 6 ECTS
Prerequisites	
Learning outcomes	
Course contents	
Teaching methods	
Reccomended or required readings	
Assessment methods	
Further information	
Sustainable development goals - Agenda 2030	

