



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Percezione Visiva

2122-2-E3002Q040

Aims

The class aims to provide the basic psychological and psychophysiological knowledge necessary to understand the functioning of visual perception. It provides the tools for a fruitful interaction with other professional figures (psychologists, psychophysiologicals and neuropsychologists) for clinical and research purposes.

Contents

Psychological bases of visual perception:

- Research methods in psychology of visual perception
- Theories and psychological models of visual perception
- Visual-spatial attention and eye movements

Psycho-physiological bases of visual perception:

- Psycho-physiological bases of visual perception of characteristics (color, clarity, shape, depth, movement) and of visual recognition of objects
- Anatomic-functional bases of vision, perception, and attention
- Neuropsychology of vision, perception, and attention

Detailed program

Psychological bases of visual perception:

- Research methods in visual perception: Psychology is a science. What does doing research in visual perception mean: identification of problems; use of the experimental method (variables definition, validity and control); the main psychophysical methods for the study of visual facts.
- Theories and psychological models of visual perception. The cognitivist approach. How do we built a stable world: perception of color, movement, space and objects.
- *Visual-spatial attention and eye movements. How visual perception, attention, and eye movements interact with each other. Reading.*

Psychophysiological bases of visual perception:

- *Psychophysiological bases of visual perception: cerebral processes and mechanisms underlying the perception of color, brightness, shape, depth, movement, the recognition of objects and scenes.*
- *Neuropsychology of vision, perception, and attention: disturbances of visual perception and visual attention due to brain injury; differential diagnosis between peripheral and central disorders of the dorsal visual route; evaluation and rehabilitation of the visual field defect; pseudo-hemianopsia; congenital and acquired reading disorders.*

Prerequisites

Receptive and productive language skills
Analytical abilities in understanding and reasoning
The capacity of synthesis and content processing

Teaching form

During lectures instructors will _____

Short self-evaluation questionnaires will be made available on some of the topics. Students will be asked to fill in a short questionnaire with multiple-choice questions that will NOT be evaluated by instructors. Filling the questionnaires is not mandatory, but encouraged.

Lessons will be held in presence, unless further COVID-19 related restrictions are imposed.

Textbook and teaching resource

Semester

II year, I semester

Assessment method

The exam consists of a _____

Office hours

Prof. Roberta Daini: see <https://www.unimib.it/roberta-daini>

Prof. Emanuela Bricolo: see <https://www.unimib.it/emanuela-bricolo>
