UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Physiological Psychology

2627-2-E2403P009

Learning area

1: Knowledge and skills useful to understand, promote and change individual psychological functioning

Learning objectives

Knowledge and understanding

- Knowing the neuroanatomical and functional bases of human mind in order to understand the cognitive, emotional and behavioral functions.

Applying knowledge and understanding

- Ability to recognize and frame normal and abnormal behaviour in the contex in the contex of the relevant neurofunctional systems.
- Ability to identify key diagnostic (behavioural or instrumental) tools to approach neurocognitive disorders and, in general, in neuroscience research.

Making judgements

- The course fosters the ability to critically and independently analyze data, concepts, and neuroscientific theories, encouraging personal reflection on complex topics such as consciousness, pain, emotions, empathy, and biological rhythms.

Communication skills

- Students develop command of the technical language specific to neuroscience, learning to communicate scientific content, findings, and arguments clearly and effectively, both to specialist and non-specialist

audiences.

Learning skills

- The course promotes autonomous study and personal in-depth exploration, providing methodological and theoretical foundations necessary to pursue further training or research in the field of neuroscience with critical thinking and initiative.

Contents

The course aims to provide students with knowledge of the neuro-functional architecture underlying cognitive, emotional and behavioural processes in human beings. In particular, the neuro-functional bases of the nervous system will be covered, along with the main theories and models of mental functions developed within Cognitive Neuroscience and Psychobiology, in order to foster understanding of the cognitive, emotional and behavioural functioning of both healthy individuals and those with specific deficits or lesions.

Detailed program

Prerequisites

This course requires a basic knowledge of anatomy and physiology of the nervous system and its cognitive functions.

Teaching methods

Assessment methods

Textbooks and Reading Materials

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING