

COURSE DETAIL

COGNITIVE NEUROSCIENCE AND BRAIN PLASTICITY

Country

Italy

Host Institution

University of Bologna

Program(s)

University of Bologna

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

150

UCEAP Course Suffix**UCEAP Official Title**

COGNITIVE NEUROSCIENCE AND BRAIN PLASTICITY

UCEAP Transcript Title

COGNIT NEUROSCIENCE

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is part of the Laurea Magistrale degree program and is intended for advanced level students. Enrollment is by permission of the instructor. By the end of the course, students know the brain processes underlying maturation, plasticity and aging and the associated changes in cognitive and emotional functions across the life span. The course is designed to provide advanced knowledge of the neural basis and functional mechanisms of human behavior, affective and cognitive processes and their alteration in patients with neurological and psychiatric disorders, drawing on both theoretical and methodological contributions of current literature, and integrating different methodological approaches, with practical examples in the areas of brain health, well-being and social neuroscience. The course involves 2 modules, which include: Methods in Cognitive Neuroscience (physiological measures, brain stimulation, functional imaging and neuropsychological approach); Brain maturation; Processing emotional and social information: Theories of emotions, perceptions of emotions, fear conditioning and empathy; Healthy aging: changes in behavioral and neuroanatomical substrates.

Language(s) of Instruction

English

Host Institution Course Number

93505

Host Institution Course Title

COGNITIVE NEUROSCIENCE AND BRAIN PLASTICITY

Host Institution Campus

BOLOGNA

Host Institution Faculty

Host Institution Degree

LM in PSYCHOLOGY OF WELLBEING AND SOCIAL INCLUSIVITY

Host Institution Department

Psychology - PSI

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