COURSE DETAIL

PSYCHOPHYSIOLOGY
Country Italy
Host Institution University of Padua
Program(s) Psychology and Cognitive Science, Padua
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Psychology
UCEAP Course Number 128
UCEAP Course Suffix
UCEAP Official Title PSYCHOPHYSIOLOGY
UCEAP Transcript Title PSYCHOPHYSIOLOGY
UCEAP Quarter Units 7.00
UCEAP Semester Units 4.70

Course Description

This course provides a systematic review of the basic principles, models, and methods of Psychophysiology research. The association between body and mind is scientifically analyzed by studying cognitive and emotional processes, and considering both physiological and behavioral variables, measured using electrophysiological and neuroimaging techniques. As much as possible, practical (brief) training sessions in the psychophysiology lab are carried out. The course discusses topics including an introduction to functioning principles and methodology of psychophysiological research; biosignal classification, and their application as marker of psychological processing; activation and resting state: peripheral and central (i.e., EEG and fMRI) indices; cognitive activation in healthy adults; and application of psychophysiological techniques to clinical research: evidence from studies on neurological and psychiatric patients. The course requires students to have an adequate knowledge of cognitive processes and anatomo-physiological bases of the central and peripheral nervous system as a prerequisite for the course.

Language(s) of Instruction
English

Host Institution Course Number
PSP5070131

Host Institution Course Title
PSYCHOPHYSIOLOGY

Host Institution Course Details
https://en.didattica.unipd.it/off/2022/LT/PS/PS2648/000ZZ/PSP5070131/N0

Host Institution Campus

Host Institution Faculty
Psychology

Host Institution Degree

First Cycle Degree in Psychological Science

Host Institution Department

Course Last Reviewed
2023-2024

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