

COURSE DETAIL

STRUCTURAL AND FUNCTIONAL NEUROIMAGING

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

162

UCEAP Course Suffix**UCEAP Official Title**

STRUCTURAL AND FUNCTIONAL NEUROIMAGING

UCEAP Transcript Title

NEUROIMAGING

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of neuroimaging. The course explores topics including basic methodological notions for the use of neuroimaging techniques as a tool to explore structure and function of the brain; structural techniques such as computational morphometry, diffusion (DTI) and tractography; and functional techniques such as functional magnetic resonance (fMRI), basics of magnetic resonance spectroscopy, and positron emission tomography (PET). The course requires adequate knowledge of brain anatomy and recommends knowledge of the basic concepts of inferential statistics as prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

PSP8082603

Host Institution Course Title

STRUCTURAL AND FUNCTIONAL NEUROIMAGING

Host Institution Campus

Host Institution Faculty

Psychology

Host Institution Degree

Second Cycle Degree in Neuroscience and Neuropsychological Rehabilitation

Host Institution Department

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