

COURSE DETAIL

COGNITIVE NEUROSCIENCE: INSIGHTS INTO BRAIN PLASTICITY 4H

Country

United Kingdom - Scotland

Host Institution

University of Glasgow

Program(s)

University of Glasgow

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

164

UCEAP Course Suffix**UCEAP Official Title**

COGNITIVE NEUROSCIENCE: INSIGHTS INTO BRAIN PLASTICITY 4H

UCEAP Transcript Title

COG NEUROSCI/BRAIN

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course surveys the paradoxical (sometimes productive) neuropsychological phenomena that can be observed after lesions of the central or peripheral nervous system, or by non-invasive (transcranial) brain stimulation. These phenomena contrast with the more common functional deficits of brain lesions or brain stimulation, and are used as windows to detail current concepts in cognitive neuroscience, brain plasticity, and rehabilitation. Each lecture begins with case descriptions of patients with paradoxical (sometimes productive) effects of stimulation/lesions on behavior. Examples include hyper-attention; an anarchic hand; the experience of leaving one's own body; or the integration of phantom limbs into one's own body scheme. The lectures explore how these phenomena fit or inform models of cognitive processes and plasticity in different domains (e.g. attention, motor control, interhemispheric interactions, multisensory integration) and point to implications for neurorehabilitation.

Language(s) of Instruction

English

Host Institution Course Number

PSYCH4018

Host Institution Course Title

COGNITIVE NEUROSCIENCE: INSIGHTS INTO BRAIN PLASTICITY 4H

Host Institution Course Details

<https://www.gla.ac.uk/coursecatalogue/course/?code=PSYCH4018>

Host Institution Campus

Host Institution Faculty

School of Psychology and Neuroscience

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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