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) neuro-psychological 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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