COURSE DETAIL

PSYCHOLOGY: COGNITIVE NEUROSCIENCE
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Psychology Biological Sciences
UCEAP Course Number 131
UCEAP Course Suffix
UCEAP Official Title PSYCHOLOGY: COGNITIVE NEUROSCIENCE
UCEAP Transcript Title COGNITIVE NEUROSCI
UCEAP Quarter Units 24.00
UCEAP Semester Units 16.00

Course Description

Through theoretical studies and practical exercises, the course conveys knowledge about the structure and function of the brain and key areas of modern cognitive neuroscience, such as attention, memory, language, cognitive control, emotions, and social interaction. The understanding of normal function is the primary focus of the course, but clinical examples are used as they provide substantial illustrations of normal functioning. The course includes relevant research methods within the area, and major emphasis is placed on the interdisciplinary nature of the subject.

The course consists of three modules. Module 1 (Introduction to Brain Function) provides basic knowledge of neuroanatomy, brain development and change, cellular function and communication, and basic brain functions, such as sensory processing, perception, motor function, and motivation. Important methods to study cognitive functions, mental processes, the activity of the brain, and functional anatomy are described. Module 2 (Higher Cognitive Functions) focuses on attention and cognitive control, memory, language, social interaction, problem solving and thinking, and decision making. This module communicates knowledge about the neurocognitive basis of emotion and how cognitive function is influenced by emotion and introduces different types of brain damage and psychoorganic syndromes. Students participate in laboratory demonstrations to train important skills for conducting empirical studies in cognitive neuroscience, including reporting the results in accordance with the international norms for publication in psychology. Module 3 (Project Work) includes a literature review but can also consist of a short empirical-oriented project.

Language(s) of Instruction
English

Host Institution Course Number
PSYD53

Host Institution Course Title
PSYCHOLOGY: COGNITIVE NEUROSCIENCE

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-PSYD53

Host Institution Campus

Host Institution Faculty
Faculty of Social Sciences

Host Institution Degree

Host Institution Department
Department of Psychology

Course Last Reviewed
2021-2022

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