COURSE DETAIL

THE COGNITIVE NEUROSCIENCE OF ATTENTION
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Psychology
UCEAP Course Number 100
UCEAP Course Suffix
UCEAP Official Title THE COGNITIVE NEUROSCIENCE OF ATTENTION
UCEAP Transcript Title COG NEUROSCI ATTN
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description
This course aims to introduce the cognitive and neural mechanisms of attention. Current theories of attention will be discussed considering evidence from a variety of neuroscience methods (from single neurons recordings to functional imaging techniques). The course will present the neural mechanisms underlying different varieties of attentional processes together with the links between attention and other cognitive functions. This series of lectures will begin with an introduction to the basic methods of Cognitive Neuroscience and the anatomical basis of perception. The basic questions and controversies in research on attentional processes will be discussed together with an overview of selective attention. The course also aims to teach the different mechanisms responsible for the spatial orienting of attention including the behavioral and neuroimaging evidence for distinct top-down and bottom-up control attentional systems. The topics covered will include the neuropsychological syndromes related to disorders of spatial attention (neglect and extinction) and the crossmodal links in spatial attention. In addition we will discuss how attention can bind different visual features into coherent objects as well as the concept of object-based attention. Finally, the links between attention and action will be discussed.

Language(s) of Instruction
English

Host Institution Course Number
PSYL10139

Host Institution Course Title
THE COGNITIVE NEUROSCIENCE OF ATTENTION

Host Institution Course Details

Host Institution Campus
University of Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Psychology

Course Last Reviewed

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