COURSE DETAIL

PRINCIPLES OF NEURONAL FUNCTION
Country United Kingdom - England
Host Institution University of Sussex
Program(s) University of Sussex
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 136
UCEAP Course Suffix
UCEAP Official Title PRINCIPLES OF NEURONAL FUNCTION
UCEAP Transcript Title NEURONAL FUNCTION
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides students with detailed insight into the fundamental workings of the nervous system. Students focus on the relationship between the structure and function of the cellular and sub-cellular components of neurons, and on mechanisms that underlie information signaling. Examples of nervous system disorders illustrate the sensitivity of neurons and circuits, as well as the often-catastrophic consequences on brain function. Students learn to identify and communicate key principles that are essential to understanding neuroscience. Topics include: signaling by neurons and synapses, neurotransmission and information coding, nervous system plasticity, cellular and molecular basis of learning and memory, fundamental disease mechanisms, and methodological approaches.

Language(s) of Instruction
English

Host Institution Course Number
C1016

Host Institution Course Title
PRINCIPLES OF NEURONAL FUNCTION

Host Institution Course Details
https://www.sussex.ac.uk/study/study-abroad-at-sussex/our-programs/semester-and...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Life Sciences

Course Last Reviewed
2025-2026

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