COURSE DETAIL

NEURAL INFORMATION PROCESSING
Country Australia
Host Institution University of Sydney
Program(s) University of Sydney
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Health Sciences
UCEAP Course Number 115
UCEAP Course Suffix
UCEAP Official Title NEURAL INFORMATION PROCESSING
UCEAP Transcript Title NEURAL INFO PROCESS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines the mechanisms that drive neurons and neural circuits throughout the brain and body. The lectures explore how environmental and neuronal signals are translated into and encoded in nerve impulses and how this information is conveyed through synapses to transmit information about the external world to control the body as well as different behaviors and to store information for future use (learning and memory). The mechanisms by which sensory and motor information are integrated through neural circuits in the brain and spinal cord are also explored in detail. Practical classes provide an accessible and engaging experience to delve into the inner workings of neurons and sensory systems.

Language(s) of Instruction
English

Host Institution Course Number
NEUR3006

Host Institution Course Title
NEURAL INFORMATION PROCESSING

Host Institution Course Details
https://www.sydney.edu.au/units/NEUR3006/2024-S1C-ND-CC

Host Institution Campus
Camperdown/Darlington

Host Institution Faculty

Host Institution Degree

Host Institution Department
Medical Sciences

Course Last Reviewed
2023-2024

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