

COURSE DETAIL

SYNAPTIC COMMUNICATION

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

165

UCEAP Course Suffix

N

UCEAP Official Title

SYNAPTIC COMMUNICATION

UCEAP Transcript Title

SYNAPTIC COMMUNCATN

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores neuronal signaling in vertebrates and invertebrates. Students gain an in-depth understanding of chemical synaptic transmission. Students look at the processes involved in synaptic plasticity and its role in learning, memory and the regulation of behaviors. Students also explore sensory transduction and how the nervous system acquires and integrates information from the environment. There is a particular focus on vision, hearing, and pain. Throughout the course, students learn about the experimental approaches that have contributed to our understanding. Students develop analytical, presentation, and teamwork skills through formative group presentations of published research.

Language(s) of Instruction

English

Host Institution Course Number

C1120

Host Institution Course Title

SYNAPTIC COMMUNICATION

Host Institution Course Details

<https://www.sussex.ac.uk/study/modules/undergraduate/2025/94383-synaptic-commun...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life Sciences

Course Last Reviewed

2025-2026

[Print](#)