COURSE DETAIL

BIOMEDICINE: FROM NEURON TO NERVOUS SYSTEM
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 133
UCEAP Course Suffix
UCEAP Official Title BIOMEDICINE: FROM NEURON TO NERVOUS SYSTEM
UCEAP Transcript Title BIOMED: NERV SYST
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course covers how the nervous system develops, its structure, and how it functions. The course consists of four modules with overlapping themes. The first module is about the development of the nervous system, the different cell types, and parts that form the nervous system, and the functions these have. In module 2, how neurons communicate with each other and how the brain can be changed as a consequence of experiences are learned. Module 3 is about how the brain takes in information from the environment via different sensory systems, how this information is integrated into the brain, and how the brain creates behavior through influence on muscles. Lastly, module 4 reviews how pharmacologically active substances can influence the
brain and how the connection functions between the brain, cognition, and emotions. All modules emphasize which methods are used to produce knowledge about the nervous system. Modules also contain practical components to concretize lectures and required reading.

Language(s) of Instruction
English

Host Institution Course Number
BIMB31

Host Institution Course Title
BIOMEDICINE: FROM NEURON TO NERVOUS SYSTEM

Host Institution Course Details
https://www.medicine.lu.se/exchange-studies/biomedicine

Host Institution Campus
Lund

Host Institution Faculty
Medicine

Host Institution Degree

Host Institution Department
Biomedicine

Course Last Reviewed
2023-2024

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