

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 Campus

Lund

Host Institution Faculty

Medicine

Host Institution Degree

Host Institution Department

Biomedicine

[Print](#)