

# 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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