Module title: Neurobiology

Abbreviation: 07-LA-NEUR-092-m01

Module coordinator: holder of the Chair of Neurobiology and Genetics

Module offered by: Faculty of Biology

ECTS: 2

Method of grading: Only after succ. compl. of module(s)

Duration: 1 semester

Module level: undergraduate

Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises, seminars and lab courses (weekly courses: a maximum of one incident of unexcused absence and one excused absence for a legitimate reason; fortnightly courses: one incident of unexcused absence) and successful completion of the respective exercises (required percentage as specified at the beginning of the course). The preparation of logs (10 to 15 pages) is an admission prerequisite to assessment.

Contents

We will examine preparations under the microscope, make drawings, develop genetic diagrams showing the inheritance of diseases, perform experiments on human physiology.

Intended learning outcomes

- Familiarity with the structure of neurons. - Explanation of the generation and spread of action potential. - Familiarity with the diversity, efficiency and structure of the nervous systems of different groups of organisms. - Knowledge related to the transduction of chemical stimuli into electrical signals. - Familiarity with applications of neurobiology in medicine.

Courses

V + Ü (no information on SWS (weekly contact hours) and course language available)

Method of assessment

written examination (approx. 30 minutes)

Allocation of places

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Additional information

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Referred to in LPO I (examination regulations for teaching-degree programmes)

§ 61 (1) 2. Biologie "Physiologie der Pflanzen und Tiere"

Module appears in

First state examination for the teaching degree Grundschule Biology (2009)
First state examination for the teaching degree Hauptschule Biology (2009)
First state examination for the teaching degree Realschule Biology (2009)
First state examination for the teaching degree Gymnasium Biology (2009)
First state examination for the teaching degree Mittelschule Biology (2013)