Module title			Abbreviation
Biology II - Physiology of Organisms, genetics, neurobiology and behaviour			07-2A2PH-BM-092-m01

Module coordinator	Module offered by
Dean of Studies Biologie (Biology)	Faculty of Biology

ECTS	Method of grading	Only after succ. compl. of module(s)
8	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	undergraduate	By way of exception, additional prerequisites are listed in the section on assessments.

Contents

This module will acquaint students with the principles of the general and comparative physiology of organisms and will provide them with an opportunity to develop the fundamental skills for working in a physiological laboratory. The module will first address the biochemistry of the cell and will then move on to discuss prokaryotic metabolic diversity. Subsequently, the module will discuss the physiological processes that regulate the internal environment of multicellular organisms such as plants and animals.

Intended learning outcomes

Students have developed an understanding of the physiological functions and regulation of organisms. They have acquired fundamental knowledge on planning, setup, interpretation and presentation of scientific results.

Courses (type, number of weekly contact hours, language — if other than German)

This module comprises 6 module components. Information on courses will be listed separately for each module component.

- 07-2A2PH-3TI-072: V + Ü (no information on SWS (weekly contact hours) and course language available)
- 07-2A2PH-1PR-BM-092: V (no information on SWS (weekly contact hours) and course language available)
- 07-2A2PH2PF-BM-092: V (no information on SWS (weekly contact hours) and course language available)
- 07-2A2GNV-1G-BM-092: V (no information on SWS (weekly contact hours) and course language available)
- 07-2A2GNV-2N-BM-092: V (no information on SWS (weekly contact hours) and course language available)
- 07-2A2GNV-3V-BM-092: V (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 07-2A2PH-3TI-072: Animal Physiology Animal Physiology

- 3 ECTS, Method of grading: numerical grade
- written examination (approx. 60 minutes, word problems and/or multiple choice questions)
- Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.

Assessment in module component 07-2A2PH-1PR-BM-092: Basic Physiology of Prokaryotes

- 1 ECTS, Method of grading: numerical grade
- written examination (approx. 60 minutes) including multiple choice questions

Assessment in module component 07-2A2PH2PF-BM-092: Plant Physiology

- 1 ECTS, Method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment in module component 07-2A2GNV-1G-BM-092: Basic Genetics

- 1 ECTS, Method of grading: numerical grade
- written examination (approx. 30 minutes)

Assessment in module component 07-2A2GNV-2N-BM-092: Basic Neurobiology

- 1 ECTS, Method of grading: numerical grade
- written examination (approx. 30 minutes)

Assessment in module component 07-2A2GNV-3V-BM-092: Behavioural Biology

- 1 ECTS, Method of grading: numerical grade
- written examination (approx. 30 minutes, word problems and/or multiple choice questions)

Allocation of places

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Additional information

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

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Module appears in

Bachelor' degree (1 major) Biomedicine (2009)