

Module title		Abbreviation
Basic Biochemistry and Molecular Biology		03-98-BCH-092-m01
Module coordinator		Module offered by
holders of the Chairs of Physiological Chemistry, Developmental Biochemistry, Biochemistry and Molecular Biology		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
11	numerical grade	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective details at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew and have to register anew, too.
Contents		
Biochemistry: structure and function of the building blocks of life, enzyme kinetics, biochemical analytics, fundamentals of intermediate and energy metabolism, mitochondrial function. Molecular biology: storage, transduction and expression of genetic information, control of cell functions by hormones and signal transduction processes, basic immunology. Performing biochemical detection reactions and molecular biology experiments.		
Intended learning outcomes		
Students gain an understanding of the foundations of human biochemistry and molecular biology. They develop the ability to prepare and present material on selected topics. They are proficient in the reproducible collection of simple biochemical and molecular biological data.		
Courses (type, number of weekly contact hours, language — if other than German)		
V + S + Ü (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)		
a) written examination (approx. 45 minutes) and 2 presentations (approx. 10 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) and 2 presentations (approx. 10 minutes each) or c) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) and 2 presentations (approx. 10 minutes each), weighted 6:1:1 (written/oral examination : presentation : presentation)		
Allocation of places		
--		
Additional information		
--		
Workload		
--		
Teaching cycle		
--		

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

--

Module appears in

Bachelor' degree (1 major) Biomedicine (2009)

Bachelor' degree (1 major) Biomedicine (2013)