Module title			Abbreviation
Human Physiology 1			03-98-PHY1-152-m01
Module coordinator		**Module offered by**	
holders of the Chairs of Cardiovascular Physiology and Neurophysiology		Faculty of Medicine	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Learn basic principles of physiology and pathophysiology. One focus is on the hemodynamic processes in the heart and circulatory system, the vegetative regulation of the cardiovascular system and the spread of excitation and contraction of the heart muscle. Other topics include the physiology of the cell membrane, the regulation of the water and electrolyte balance in the kidneys, the acid-base balance and the regulation of respiration. Application of the necessary techniques.

Intended learning outcomes

Professional work with measuring devices to record the necessary parameters on humans and evaluation of the measured values obtained for the analysis of bodily functions. Checking, evaluating and error analysis of the results. Understanding of the physiological principles and their importance for human diseases. Independent work and problem-oriented learning through presentation and discussion of the measurement results and the organ functions derived from them. Acquiring the ability to discuss scientific and medical aspects of physiology and pathophysiology.

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

V (3) + Ü (2)

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

written examination (approx. 60 minutes)
Assessment offered: Once a year, winter semester

Allocation of places

--

Additional information

--

Workload

150 h

Teaching cycle

--

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

--

Module appears in

Bachelor' degree (1 major) Biomedicine (2015)
Bachelor' degree (1 major) Biomedicine (2018)