

1.	Field of study	Biophysics
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2023/2024 (winter term), 2024/2025 (winter term)
4.	Level of qualifications/degree	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	General information about the module	
Module name		Fundamentals of Physiology
Module code		W4-BF-S1-3-23-19A
Number of the ECTS credits		3
Language of instruction		Polish
Purpose and description of the content of education		The module aims to familiarise students with basic issues of physiological processes and their mechanisms at the cellular level and the whole human body. The module will address and consolidate aspects of the body's water-electrolyte balance, the way signals are transmitted between tissues, the function of the cardiovascular and respiratory systems, the mechanisms of hormones and their influence on the regulation of metabolism and homeostasis of the human body.
List of modules that must be completed before starting this module (if necessary)		not applicable

8.	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)	
E1	The student knows and understands the key issues of physiology of the human body, covering mechanisms occurring at the cellular and whole organism level.	U02 W02	1 1	
E2	The student has knowledge of the activities of individual systems and their regulation, knows and understands the links between the mechanisms regulating the functions of individual human systems.	W03 W05	1 1	
E3	The student knows the role and function of hormones in the human body and understands their economy and influence on the regulation of metabolism and homeostasis of the whole organism.	W05	1	
E4	Students can acquire information from scientific literature, databases and other sources on a selected topic; they can integrate the data obtained, interpret them and draw conclusions.	K01 U08 U09	1 1 1	

9.	Methods of conducting classes		
Code	Category	Name (description)	
a01	Lecture methods / expository methods	Formal lecture/ course-related lecture <i>a systematic course of study involving a synthetic presentation of an academic discipline; its implementation assumes a</i>	

	passive reception of the information provided					
10.	Forms of teaching					
	Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
	FZ1	lecture	30	exam	E1, E2, E3, E4	a01
11.	The student's work, apart from participation in classes, includes in particular:					
	Code	Category	Name (description)			Is it part of the BUNA?
	a02	Preparation for classes	Literature reading / analysis of source materials <i>reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class</i>			Yes
	b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content <i>reading through the syllabus and getting acquainted with its content</i>			No
	c02	Preparation for verification of learning outcomes	Studying the literature used in and the materials produced in class <i>exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class</i>			Yes
	c03	Preparation for verification of learning outcomes	Implementation of an individual or group assignment necessary for course/phase/ examination completion <i>a set of activities aimed at performing an assigned task, to be executed out of class, as an obligatory phase/element of the verification of the learning outcomes assigned to the course</i>			No

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.