

1.	<b>Field of study</b>	<b>Biophysics</b>
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.	<b>General information about the module</b>	
<b>Module name</b>		<b>Between Physics and Medicine</b>
Module code		W4-BF-S1-1-23-02
Number of the ECTS credits		2
Language of instruction		Polish
Purpose and description of the content of education		The module aims for students to understand the important role of physics in pharmacology, biological research, and medicine and in optimizing certain health-related activities. During the course, students will learn the most important concepts in biophysics, optometry and medical physics to prevent, diagnose and treat diseases.
List of modules that must be completed before starting this module (if necessary)		not applicable

8.	<b>Learning outcomes of the module</b>		
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)
E1	The student understands the civilizational importance of physics, especially its applications in biophysics and medical physics.	W01	1
E2	The student knows examples of physics applications in biophysics and medical physics and is capable of presenting them clearly, orally and in writing.	W02 W03 W04 W05 W07	1 1 1 1 1
E3	Students can acquire information from literature, databases and other sources; they can integrate the acquired information and interpret it, draw conclusions.	K01 K02 U08	1 1 1
E4	The student understands the social responsibility of the profession of biophysicist and medical physicist.	K03 K04 U10	1 1 1

9. Methods of conducting classes		
Code	Category	Name (description)
b02	Problem-solving methods	Lecture-discussion <i>transmission of content involving interaction with the lecture audience; discussion of lecture-related issues is one of its elements or constitutes its follow-up</i>
b07	Problem-solving methods	Activating methods: a case study <i>a comprehensive description of a phenomenon connected with the selected discipline; reflecting the reality, presenting the 'what', 'where' and 'how' of the phenomenon, i.e., all of its key aspects to be discussed in class; used as a reproduction, presentation, discussion or diagnosis of factors that shape the phenomenon or interact with it; an in-depth qualitative analysis and evaluation of a selected phenomenon</i>

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	20	course work	E1, E2, E3, E4	b02, b07

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>	No
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>.