1.	Field of study	Biophysics	
2.	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 t	General information about the module				
Module name	Seminar				
Module code	W4-BF-S1-6-23-24				
Number of the ECTS credits	3				
Language of instruction	Polish				
Purpose and description of the content of education	The module aims to acquire the ability to reason and justify their position on biophysics problems based on their knowledge and literature. During the course, students will prepare presentations, posters, and text documents and participate in discussions on the indicated current issues in biophysics.				
List of modules that must be completed before starting this module (if necessary)	not applicable				

8.  Learning	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme	Level of competent (scale 1-5)	
E1	The student understands the importance of biophysics as a science and expands awareness of the responsibilities,	K02	1	
	benefits and risks of practical applications of biophysics.	U01	1 1	
		W01	1	
E2	The student can obtain information from literature, databases and other sources in order to deepen his knowledge of biophysics and acquire scientific discussion skills.	U08	1	
E3	The student has the ability to listen to another opinion and engage in a substantive discussion of an issue.	U07	1	
		U10	1	
E4	Student poznaje ograniczenia własnej wiedzy, a tym samym kształtuje potrzebę dalszego kształcenia.	K01	1	

9. Methods of co	thods of conducting classes			
Code	Category	Name (description)		
b04	Problem-solving methods	Activating method – discussion / debate an exchange of views supported by substantive arguments leading to a clash of different views, a compromise or the identification of common positions; it proceeds according to previously agreed-upon rules regarding the time, manner and turn-taking as well as the principles of civil discourse; a discussion is not a competition but aims at finding the best solutions or presenting different points of view; its varieties include brainstorming, Oxford-style debate, panel discussion, decision tree,		

		conference discussion; a debate is an orderly dispute between supporters and opponents of a viewpoint, usually specialists in the field or pre-selected representatives of a group dealing with a common problem
b05	Problem-solving methods	Activating method – seminar / proseminar a seminar method; usually an oral presentation of a previously studied/diagnosed problem delivered on a forum; it aims at provoking a discussion concerning the results of research work; a type of conference, course or training session modelled on seminar classes
b08	Problem-solving methods	Activating method – peer learning learning through the exchange of knowledge in a group/team/pair of students, i.e., in the so-called learning cell; a kind of mutual learning; an approach focused on student activity under the guidance of the person teaching the course; a learning situation where students with a similar level of experience learn from one another
b09	Problem-solving methods	Activating method – flipped classroom anticipatory learning; work in class is based on previously studied material indicated by the person teaching the course; preparation outside the classroom serves the purpose of getting familiar with the issues whose knowledge is necessary for participating in the in-class discussion and the training in the related practical skills; the activity is based on the work of students under the guidance of the person teaching the course
c07	Demonstration methods	Screen presentation a presentation of synthetic image content using computer graphics, e.g., a series of slides or other multimedia forms, usually accompanied by a commentary; typical components of a screen presentation include text organized into bulleted points, charts, images and animations, sometimes sound effects or music; a multimedia illustration of course content presented in the form of a projected image

10.	). Forms of teaching					
	Code	Name		Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
FZ1		seminar	20	course work	E1, E2, E3, E4	b04, b05, b08, b09, c07

11. The student's	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 reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class	No	
a05		Production/preparation of tools, materials or documentation necessary for class participation developing, preparing and assessing the usefulness of tools and materials (e.g. aids, scenarios, research tools, equipment, etc.) to be employed in class or as an aid when preparing for classes	No	
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content reading through the syllabus and getting acquainted with its content	No	
c03	Preparation for verification of learning outcomes	Implementation of an individual or group assignment necessary for course/phase/examination completion 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	Yes	

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