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 th	General information about the module				
Module name	Food Biochemistry				
Module code	W4-BF-S1-6-23-49B				
Number of the ECTS credits	3				
Language of instruction	Polish				
Purpose and description of the content of education	The module is designed to familiarize the student with the fundamental issues in food biochemistry. The student learns biological compounds' structure, properties and terminology, including carbohydrates, amino acids, proteins, fats, nucleic acids, vitamins and hormones. They also gain knowledge about the functioning and metabolism as well as biochemical reactions taking place in the human body.				
List of modules that must be completed before starting this module (if necessary)	not applicable				

8. Lea	ing outcomes of the module				
Со	Code Description	Learning outcomes of the programme	Level of competent (scale 1-5)		
E1	The student uses the terminology of biophysics and bioenergetics necessary to describe selected processes	of nutrition U01	1		
	and food biology.	W01	1		
E2	The student uses biophysical methods in the study of the physical properties of food and in the study of bioen		1		
	processes, has the ability to u, has the ability to use laboratory equipment, research apparatus and statistical to determine the basic physicochemical properties of food.	techniques W08	1		
E3	The student can conduct an experiment, analyze the data obtained and prepare a report on the research.	U01	1		
		U04	1		
		U05	1		
		U07	1		
E4	The student skillfully selects and uses the right sources of information on the issues of biophysics and bioener	rgetics of K02	1		
	nutrition and formulates logical conclusions based on the conducted experiments.	U08	1		

9.	Methods of conducting classes			
	Code Category		Name (description)	
b07	n.	Problem-solving methods	Activating methods: a case study	

	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
e01	Laboratory exercise / experiment [also conducted as fieldwork] a method of practical application of knowledge; implemented in three stages: the recognition of a problem induced by the task content, the formulation of the problem and the attempt to solve it accompanied by the assessment of the effects; the goal is to acquire skills, abilities and habits, and to consolidate the acquired knowledge so that it becomes operational; the laboratory method assumes greater independence of learners than carrying out an experiment

10. Forms of teacl	Forms of teaching				
Code	Name	Number of hours	1	Learning outcomes of the module	Methods of conducting classes
FZ1	workshop	30	course work	E1, E2, E3, E4	b07, e01

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 reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class	Yes
a03	Preparation for classes	Developing practical skills activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)	Yes
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
d01	Consulting the results of the verification of learning outcomes	Analysis of the corrective feedback provided by the academic teacher on the results of the verification of learning outcomes reading through the academic teacher's comments, assessments and opinions on the implementation of the task aimed at checking the level of the achieved learning outcomes	Yes
d02	Consulting the results of the verification of learning outcomes	Development of a corrective action plan as well as supplementary/corrective tasks reviewing and selecting tasks and activities enabling the elimination of errors indicated by the academic teacher, their verification or correction resulting in completing the task with at least the minimum passing grade	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.