

**Learning outcomes of the programme:**

1.	<b>Field of study</b>	<b>Food and Nutrition Biology</b>
2.	Academic year of entry	2017/2018 (winter term)
3.	Level of qualifications/degree	second-cycle studies
4.	Degree profile	general academic

Code of the learning outcome of the programme	Learning outcomes The graduate:	Codes of the learning outcomes of the areas of education to which the learning outcome of the programme is related
<b>KNOWLEDGE</b>		
2BZ_W01	Describe the physical, chemical and biochemical phenomena and processes related to nutrition	P2A_W01, P2A_W04
2BZ_W02	Have advanced knowledge of raw materials of animal and vegetable origin in food	P2A_W04, P2A_W05
2BZ_W03	Describe and understand the significance of nutrition biology for agriculture, industry, environmental protection and medicine	P2A_W04, P2A_W05
2BZ_W04	Define, classify and explain biological issues related to animal and human nutrition	P2A_W04
2BZ_W05	Define, describe and explain the chosen issues of animal breeding and plant cultivation	P2A_W04
2BZ_W06	Notice, identify and analyze the genetic aspects of nutrition	P2A_W01, P2A_W04
2BZ_W07	Notice and analyze ecological, microbiological and physiological aspects of nutrition in the functioning of organisms	P2A_W01, P2A_W04
2BZ_W08	Evaluate and analyze the significance of experimentation, testing hypotheses, methodology used in nutrition biology	P2A_W07
2BZ_W09	Analyze and interpret connections between physical and chemical mechanisms of the life processes of plants, animals and humans	P2A_W01, P2A_W02, P2A_W03, P2A_W04
2BZ_W10	Demonstrates knowledge of advanced methods and techniques in the study and use of the potential of nature	P2A_W04, P2A_W05, P2A_W07
2BZ_W11	Indicate and interpret interdisciplinary aspects of modern biological sciences	P2A_W02, P2A_W03, P2A_W05
2BZ_W12	List and describe advanced laboratory and industrial procedures used in nutrition biology	P2A_W07, P2A_W09
2BZ_W13	Demonstrate knowledge of advanced, specialized English vocabulary in the field of natural sciences	P2A_W03, P2A_W04
2BZ_W14	Clarify the principles of creating of research projects, list the most important sources of funding and estimate the cost of research in the biological sciences	P2A_W08
2BZ_W15	Know and recall the basic guidelines concerning industrial property rights, copyright and patent law	P2A_W10
2BZ_W16	Have a basic knowledge about the principles of development of individual entrepreneurship and be aware of the possibility of its use	P2A_W11
2BZ_W17	Know the methodology of preparing and writing a scientific paper	P2A_W02
2BZ_W18	Have deeper knowledge of selected scientific methods and know issues of the field of science unrelated to field of study	H2A_W01, P2A_W01, S2A_W01
<b>SKILLS</b>		
2BZ_U01	Select and apply advanced research techniques, appropriate for nutrition biology with emphasis on crop cultivation and animal husbandry	P2A_U01
2BZ_U02	Apply knowledge of raw materials of plant and animal origin to formulation of conclusions in the field of food and nutrition biology	P2A_U06, P2A_U07
2BZ_U03	Apply knowledge of immune, physiological, genetic mechanisms in analyzing and verifying information from various sources	P2A_U03
2BZ_U04	Independently plan their own scientific or professional career related to food and nutrition biology	P2A_U11
2BZ_U05	Have the ability to conduct researches with the use of biological material and to present their results	P2A_U01, P2A_U08, P2A_U09, P2A_U10
2BZ_U06	Plan and realize research tasks on the analysis of food quality and nutrition biology with the supervisor's help	P2A_U01, P2A_U04
2BZ_U07	Apply bioinformatics knowledge, mathematical statistics and its sources in the analysis of experimental data and biological observations	P2A_U03, P2A_U05
2BZ_U08	Speak English at B2 level; use English-language academic literature and apply specialist terminology to communicate in the field of life sciences	P2A_U12
2BZ_U09	Is able to use the scientific literature, including the English-language literature	P2A_U02

2BZ_U10	Have a deeper ability to pose and analyze problems based on obtained content from a range of field of science unrelated to field of study	H2A_U01, S2A_U07
<b>SOCIAL COMPETENCES</b>		
2BZ_K01	Demonstrates the conviction of the cognitive processes and biological phenomena occurring in the world of living organisms and use a scientific approach to interpreting them	P2A_K03, P2A_K07
2BZ_K02	Appreciate the importance of Polish- and English-language literature on the subject matter when describing phenomena and processes occurring in nature	P2A_K05
2BZ_K03	Systematically update biological knowledge and information about its practical applications	P2A_K04, P2A_K07
2BZ_K04	Demonstrate understanding of the value of the acquired knowledge in professional activities, self-fulfillment and personal development	P2A_K04, P2A_K08
2BZ_K05	Represent creative and entrepreneurial attitude during working in the laboratory and planning researches and career	P2A_K04
2BZ_K06	Demonstrate discipline in individual and group work; can independently plan and implement their own and team activities	P2A_K01, P2A_K02
2BZ_K07	Be responsible for equipment entrusted to them, and in the workplace with respect to their own work and that of other people, complying with laboratory rules	P2A_K01, P2A_K02
2BZ_K08	Demonstrate the ability to act accordingly in an emergency in a biological and chemical laboratory	P2A_K06
2BZ_K09	Rozumie potrzebę interdyscyplinarnego podejścia do rozwiązywania problemów, integrowania wiedzy z różnych dyscyplin oraz praktykowania samokształcenia służącego pogłębieniu zdobytej wiedzy	H2A_K01, S2A_K01