Learning outcomes of the programme:

1.	**Field of study**	**Environmental Protection**
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
	KNOWLEDGE	
2OS_W01	understand the relationship between elements of the environment	P2A_W01
2OS_W02	display knowledge of the chosen research methods used in the natural sciences, humanities and social science	P2A_W04, P2A_W07
2OS_W03	identify ways of sourcing and management of funds for the purposes of environmental protection	P2A_W08
2OS_W04	distinguish between administrative and judicial mechanisms and procedures in environmental protection, including using the latest knowledge to promote individual forms of implementation	P2A_W08, P2A_W11
2OS_W05	describe the effects of human intervention on the natural environment	P2A_W03
2OS_W06	distinguish between different information systems useful in environmental protection	P2A_W06
2OS_W07	understand the environmental policies in place in socio-economic life	P2A_W02, P2A_W04
2OS_W08	display knowledge of statistical methods in natural sciences, and models that describe the state of the environment	P2A_W06
2OS_W09	know the basic instruments of international law relating to environmental protection	P2A_W04, P2A_W05
2OS_W10	present the principles of using open space in environmental protection management	P2A_W03, P2A_W04
2OS_W11	have knowledge of the importance of ecotoxicology in environmental protection	P2A_W03, P2A_W04
2OS_W12	list bio-transformation processes of xenobiotics in the environment	P2A_W03, P2A_W04
2OS_W13	recall safety work measures in the laboratory and in the field	P2A_W09
2OS_W14	display knowledge of workshop preparation, and writing of scientific papers with respect for copyright protection and the appropriate management of intellectual property assets	P2A_W02, P2A_W10
2OS_W15	present a wealth of contemporary approaches and experimental techniques in biological sciences and environmental protection	P2A_W03, P2A_W04, P2A_W05
2OS_W16	have knowledge of advanced methods and techniques for conducting field research and the possibility of their use in the protection of the natural and geographical environment	P2A_W03, P2A_W04
2OS_W17	identify the most important source of funding for research related to the environmental protection	P2A_W08
2OS_W18	use the specialized vocabulary of environmental protection in English	P2A_W05
2OS_W19	explain the national and international legislation on intellectual property rights	P2A_W04, P2A_W10
2OS_W20	have knowledge of the assumptions and limitations of the various philosophical and ethical concepts concerning the management of the natural environment	P2A_W04, P2A_W05
2OS_W21	identify the relationships and dependencies in the relationship between the natural, social and economic environment	P2A_W01, P2A_W04
2OS_W22	define restrictions placed by bio-ethics in contemporary environmental protection	P2A_W01, P2A_W04
2OS_W23	know the principles of planning laboratory and field research, as well as text editing and editing their master's thesis and scientific research work	P2A_W07
2OS_W24	identify Polish and English-language sources of expertise in the field of environmental protection in printed and electronic formats	P2A_W05
2OS_W25	explain the processes of environmental impact assessment (EIA)	P2A_W03, P2A_W04
2OS_W26	describe the contemporary trends in the natural and environmental sciences	P2A_W04, P2A_W05
2OS_W27	have knowledge of the field of copyright and industrial property protection	P2A_W10
2OS_W28	list the rules for the creation and development of individual forms of entrepreneurship	P2A_W08, P2A_W11
2OS_W29	use expanded knowledge from other areas of the biological and natural sciences in deepening awareness of environmental protection issues	P2A_W01, P2A_W04, P2A_W05
2OS_W30	show and interpret the interdisciplinary aspects of modern biology and environmental protection	P2A_W02, P2A_W04, P2A_W05
	SKILLS	
2OS_U01	plan, carry out and describe research tasks individually and as part of a team	P2A_U01, P2A_U04, P2A_U06
2OS_U02	select the correct method to solve research or practical problems	P2A_U01, P2A_U05

2OS_U03	correctly apply the rules of scientific, or project, work independently and as part of a team	P2A_U09
2OS_U04	present the results of their work to the public	P2A_U08, P2A_U10
2OS_U05	organize the workplace in accordance with the requirements of occupational health and safety, and ergonomics, under the guidance of the scientific supervisor	P2A_U04
2OS_U06	use the specialized terminology in Polish and English in the field of environmental protection	P2A_U02, P2A_U12
2OS_U07	use environmental models to interpret changes in animate and inanimate nature	P2A_U01, P2A_U02
2OS_U08	critically evaluate information regarding the environment	P2A_U03
2OS_U09	apply modern information technology (e.g. GIS)	P2A_U05
2OS_U10	combine information from a variety of sources in order to verify existing views and hypotheses, and prepare an oral presentation of research work and developed projects	P2A_U07, P2A_U08
2OS_U11	identify the strengths and weaknesses of efforts for the solution of problems related to environmental protection	P2A_U06, P2A_U07
2OS_U12	create a critical elaboration in the field of the environmental protection using the appropriate documentation	P2A_U03
2OS_U13	prepare reports and guidelines for protocols on the basis of data collected	P2A_U09
2OS_U14	evaluate the environmental effects of land-use planning	P2A_U04, P2A_U06
2OS_U15	plan a professional career path, and apply the principles of sustainable development in their own work	P2A_U11
2OS_U16	use appropriate methods and techniques to solve problems in environmental protection	P2A_U04
2OS_U17	understand the evolutionary and philosophical contexts of natural phenomena	P2A_U02
2OS_U18	use electronic sources and databases in searching for necessary specialist information	P2A_U03
2OS_U19	disseminate specialist knowledge for non-specialists in an accessible way	P2A_U10
2OS_U20	estimate the cost of conducting research in environmental sciences	P2A_U04
2OS_U21	use professional/scientific English, at the B2+ level, in everyday operation, including the use of specialist vocabulary in the field of environmental protection in English	P2A_U12
2OS_U22	prepare an environmental analysis of exemplary data, and perform an interpretation of that analysis	P2A_U03, P2A_U06, P2A_U07
2OS_U23	formulate requirements for environmental impact assessments (EIA)	P2A_U03, P2A_U06, P2A_U07
2OS_U24	use advanced knowledge from other areas of the biological and natural sciences to raise awareness of environmental protection	P2A_U03, P2A_U06
2OS_U25	note and discuss the relationship between environmental protection and other areas of the biological and natural sciences	P2A_U03, P2A_U07
SOCIAL COMPETENCES		
2OS_K01	effectively communicate, orally and in writing, with specialists from various disciplines on issues related to activities in the field of environmental protection	P2A_K08
2OS_K02	appreciate the role of environmental education	P2A_K07
2OS_K03	continually develops their own professional skills	P2A_K04
2OS_K04	be prepared to take up work, and is enterprising in the activities related to environmental protection	P2A_K04, P2A_K08
2OS_K05	coordinate the work of a team, particularly with regard to the allocation of responsibilities, time management and definition of the priorities for the implementation of the tasks	P2A_K02, P2A_K03
2OS_K06	verify and respect the opinion of other members of the team	P2A_K02
2OS_K07	be aware of the need to update knowledge, in Polish and English, concerning environmental protection	P2A_K01, P2A_K05
2OS_K08	appreciate the importance of mathematical modelling for the description of natural phenomena	P2A_K07
2OS_K09	develop an awareness of ecological safety	P2A_K06, P2A_K07
2OS_K10	indicate the strengths and weaknesses of their personal skills, attitudes and actions	P2A_K01
2OS_K11	demonstrates a critical attitude towards plagiarism	P2A_K06
2OS_K12	care about the integrity and the credibility of their own scientific work and research projects	P2A_K03
2OS_K13	understand the need to seek solutions using new technologies by reviewing the latest specialist literature	P2A_K05, P2A_K07
2OS_K14	have a broad interest in the biological and natural sciences, and recognize the need for updating knowledge	P2A_K05, P2A_K07