

1.	Field of study	Biotechnology
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2020/2021 (winter term)
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

Code of the learning outcome of the programme	Learning outcomes The graduate:	Codes of the second-order PRK characteristics to which the learning outcome of the programme is related
KNOWLEDGE		
2BT_W01_P	Has a deep knowledge of mathematics and natural sciences necessary for understanding the laws of nature and a description of life processes	2018_P7S_WG
2BT_W02_P	Has a deep knowledge of the chosen specialty of biotechnology	2018_P7S_WG
2BT_W03_P	Recognizes and analyzes relationships and dependencies in nature using knowledge about various aspects of biotechnology	2018_P7S_WG
2BT_W04_P	Specifies and describes laboratory and industrial procedures applied in biotechnology	2018_P7S_WG
2BT_W05_P	Describes and understands the significance of biotechnology in agriculture, environmental protection and medicine	2018_P7S_WG
2BT_W06_P	Has knowledge about the principles of creating and developing various forms of entrepreneurship and sources of funds for research and economic development	2018_P7S_WK
2BT_W07_P	Understands and applies the principles of the industrial property and the copyright protection and is able to use patent information	2018_P7S_WK
2BT_W08_P	Deepens knowledge about the benefits and risks associated with the development of biotechnology	2018_P7S_WK
2BT_W09_P	Knows the advanced methods and techniques used in biotechnology research and rules of the implementation of production process from the organism to the industrial level	2018_P7S_WK
SKILLS		
2BT_U01_P	Independently selects and applies advanced research techniques and modifies them adequately to the problem	2018_P7S_UW
2BT_U02_P	Proficiently chooses and uses specialized sources of information, interprets the obtained data, presents them and conducts scientific disputes on their basis	2018_P7S_UK, 2018_P7S_UW
2BT_U03_P	Plans and performs advanced physical, biological and chemical measurements and analyzes the obtained results, formulating and verifying research hypotheses	2018_P7S_UW
2BT_U04_P	Shows the ability to lead the team and communicate within the environments	2018_P7S_UK, 2018_P7S_UO
2BT_U05_P	Has the ability to communicate in English at B2+ level, obtains information from English-language texts and uses specialized scientific terminology	2018_P7S_UK
2BT_U06_P	Capably deepens specialist knowledge in the field of biotechnology and motivates others to continuous learning	2018_P7S_UU
SOCIAL COMPETENCES		
2BT_K01_P	Demonstrates a cautious and critical attitude towards information available in the mass media referring to achievements in natural sciences and biotechnology	2018_P7S_KK
2BT_K02_P	Carries out an objective self-assessment of their own work and provides the public with information about new achievements of biotechnology	2018_P7S_KK, 2018_P7S_KO
2BT_K03_P	Works in an entrepreneurial and creative way, taking into account the needs of the society	2018_P7S_KO

2BT_K04_P	Follows and develops the rules of ethical behavior in life and in the workplace	2018_P7S_KR
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