

1. Field of study	Biology
2. Faculty	Faculty of Natural Sciences
3. Academic year of entry	2019/2020 (winter term)
4. Level of qualifications/degree	first-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		
1BL_W01_P	Knows and understands the mathematical, statistical, numerical and IT principles essential to interpret the fundamental biological phenomena and processes, and to analyze data obtained in experimental and field research	2018_P6S_WG
1BL_W02_P	Has knowledge about the fundamental principles of physics and chemistry which are essential to understand processes and natural phenomena	2018_P6S_WG
1BL_W03_P	Knows and understands the structure and functions of organisms for each of the levels of life organization, and understands dependencies between organisms and environment	2018_P6S_WG
1BL_W04_P	Knows and understands the mechanisms of genetic information flow, regulation of genes expression, inheritance, genetic engineering and biotechnology	2018_P6S_WG
1BL_W05_P	Has knowledge about the structure and vital functions of a human, and animal and plant organisms, their taxonomy, explains functioning of the organism as a whole, describes evolutionary mechanisms	2018_P6S_WG, 2018_P6S_WK
1BL_W06_P	Knows and understands the methodology of experimental and field research, the fundamental theories in biology and related sciences	2018_P6S_WG, 2018_P6S_WK
1BL_W07_P	Understands the relations between achievements in natural sciences and their possible applications in socio-economic life, preserving biodiversity in the context of sustainable development	2018_P6S_WK
1BL_W08_P	Understands the principles of various entrepreneurial forms and research funding	2018_P6S_WK
1BL_W09_P	Knows and understands the fundamental organizational, ethical, work safety, economical and legal conditions, associated with scientific, didactic and implementation activities, and with professional life related to the studies programme	2018_P6S_WG, 2018_P6S_WK
SKILLS		
1BL_U01_P	Applies the basic techniques and research tools of experimental and environmental biology, mathematical and statistical methods to describe and analyze data	2018_P6S_UW
1BL_U02_P	Selects and uses the accessible sources of information, synthesizes and assesses the obtained data, formulates conclusions, takes part in the scientific dispute	2018_P6S_UK, 2018_P6S_UW
1BL_U03_P	Plans and carries out, in the field or laboratory, the simple physical, biological and chemical measurements and is able to make appropriate observations	2018_P6S_UO, 2018_P6S_UW
1BL_U04_P	Works independently and communicates in the team	2018_P6S_UO, 2018_P7S_UK
1BL_U05_P	Speaks a foreign language at CEFR B2 level and applies the basic specialized terminology to read biological texts	2018_P6S_UK, 2018_P6S_UW

1BL_U06_P	Determines their knowledge and skills, reasonably plans and completes the process of self-study, draws the appropriate conclusions based on data from different sources	2018_P6S_UU
SOCIAL COMPETENCES		
1BL_K01_P	Understands the importance of knowledge in problem solving, critically assesses their knowledge and is willing to consult an expert in case of difficulties to solve the problem on their own	2018_P6S_KK
1BL_K02_P	Demonstrates an enterprising and creative attitude and is willing to perceive social and environmental problems and to react to them	2018_P6S_KO
1BL_K03_P	Is willing to undertake professional activity, respects rules of professional ethics and work safety, engages in personal and professional development	2018_P6S_KR