

1.	<b>Field of study</b>	<b>Geology</b>
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2022/2023 (winter term), 2023/2024 (winter term), 2024/2025 (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
<b>KNOWLEDGE</b>		
2GE_W1	knows and understands at an in-depth level selected facts, objects and geological phenomena and the related methods and theories that explain the complex links between them. Has advanced general knowledge in all branches of geology creating theoretical bases of earth and environmental sciences, as well as structures and theoretically-grounded advanced knowledge in the scope of the selected geology branch(es)	2018_P7S_WG
2GE_W2	knows and understands the key development tendencies in earth and environmental sciences	2018_P7S_WG
2GE_W3	knows and understands the basic processes and geological cycles, devices targeted at testing these processes and cycles and obtaining benefits from earth as well as techniques of research and exploitation	2018_P7S_WG
2GE_W4	knows and understands the fundamental dilemmas of modern civilisation, especially those related to the use of elements of environmental and human responsibility for the fate of the planet and all its inhabitants	2018_P7S_WK
2GE_W5	knows and understands the economic, legal, ethical and other conditions of various types of professional activity in geology, including the concepts and principles in the scope of industrial property protection and copyrights	2018_P7S_WK
2GE_W6	knows and understands the basic principles of creating and developing various forms of entrepreneurship	2018_P7S_WK
<b>SKILLS</b>		
2GE_U1	is able to use the obtained knowledge to formulate and solve complex and non-typical geological issues and conduct the tasks of a geologist in non-predictable conditions: -proper selection of sources and the related information as well as with application of the available databases, carrying out the assessment, critical analysis and synthesis of these data; -selection and application of proper methods and tools applied in earth and environmental sciences, including advanced information and communication technologies. -adjusting to the existing or elaborating new methods and tools	2018_P7S_UW
2GE_U2	is able to formulate and test the hypotheses related to simple research problems in earth and environmental sciences	2018_P7S_UW
2GE_U3	is able to plan and conduct experiments, including measurements and computer simulations typical for geology, as well as to interpret the obtained results and draw conclusions	2018_P7S_UW
2GE_U4	is able to communicate with the environment with the use of terminology specific for earth and environmental sciences, including also with various groups of recipients	2018_P7S_UK
2GE_U5	is able to carry out an objective debate, giving priority to scientific arguments	2018_P7S_UK
2GE_U6	The student can communicate in a foreign language and shows communicative competencies using advanced vocabulary (level B2+). They can read and understand complex scientific texts. They are able to prepare written papers of different kinds, including research and oral presentations, on specific issues in a given scientific field and in a foreign language	2018_P7S_UK
2GE_U7	Is able to supervise teamwork	2018_P7S_UO

2GE_U8	is able to cooperate with other persons under teamwork (also of interdisciplinary nature) and undertake the leading role in teams	2018_P7S_UO
2GE_U9	is able to independently plan and implement own tasks of lifelong learning, direct others to follow this path, follow the technical progress in earth and environmental sciences and use the achievements from other scientific fields	2018_P7S_UU
<b>SOCIAL COMPETENCES</b>		
2GE_K1	is able to critically assess the obtained knowledge and received content	2018_P7S_KK
2GE_K2	is ready to acknowledge the importance of knowledge in solving geological cognitive and practical issues, and to obtain expert opinions in case of difficulties with independent problem solving	2018_P7S_KK
2GE_K3	is ready to fulfil social obligations, organize and inspire actions towards the environment in a broadly-understood context of biotic, abiotic and social environment	2018_P7S_KO
2GE_K4	is ready to initiate actions in the public interest	2018_P7S_KO
2GE_K5	is ready to think and act in an entrepreneurial manner, not only in the current perspective but also in the distant time horizons	2018_P7S_KO
2GE_K6	is ready to reliably fulfil professional roles, taking into account the shifting social needs, including to: -develop achievements of the profession of geologist; -maintain the ethos of the profession of geologist; -abide by and develop the rules of professional ethics and acting towards abiding by these rules	2018_P7S_KR