

DESCRIPTION OF EXPECTED LEARNING OUTCOMES FOR A PARTICULAR FIELD OF STUDIES

Faculty: Faculty of Earth Sciences and Environmental Management Field of studies: Geology (Applied Geosciences) Academic discipline (percentage): Earth and Environmental Science (100%) Level of education: Master's (II cycle) Level of qualification: 7 Programme profile: general		
Code of a learning outcome for a given field of studies	Learning outcomes for a given field of studies After completing Master's (II) cycle of studies in Geology (Applied Geosciences) the graduate shall obtain the following learning outcomes:	A reference to the characteristics of the second cycle of Polish National Qualification Framework [PRK - Polska Rama Kwalifikacji]* including outcomes referring to (codes)
KNOWLEDGE		
K2_W01	Student has a thorough knowledge about phenomena and processes in the inanimate nature and he can recognize relationships existing in nature.	P7S_WG P7S_WK
K2_W02	Student has the knowledge in science associated with selected aspects of geological sciences (eg, geophysics, geomathics, geochemistry, biogeochemistry, fluid mechanics, soil mechanics).	P7S_WG
K2_W03	Student has the knowledge on current problems of Earth and environmental sciences and their modern research methods.	P7S_WG
K2_W04	Student consistently applies the principle of strict scientific interpretation, based on empirical data, in research of natural phenomena and processes and in practical activities.	P7S_WG
K2_W05	Student has the knowledge in the field of statistics enabling forecasting (modeling) of geological phenomena and processes.	P7S_WG
K2_W06	Student knows the general principles for planning research using techniques and tools used in geology.	P7S_WG
K2_W07	Student has the knowledge of regional geology of the world, with particular emphasis on key areas for the development of the geological sciences. He has thorough knowledge of the geology of Poland (in particular, the Sudetes and SW Poland) and the national resource base.	P7S_WG
K2_W08	Student has in-depth knowledge of selected disciplines of geological sciences (in particular: exploration geology,	P7S_WG

	hydrogeology, applied mineralogy and petrology, environmental geochemistry and waste management).	
K2_W09	Student has in-depth knowledge of the English terminology in selected disciplines of geological sciences.	P7S_WG
K2_W10	Student knows the basic regulations in geology and environmental protection, in conjunction with the principles of creation and development of forms of individual entrepreneurship.	P7S_WK
SKILLS		
K2_U01	Student can apply advanced techniques and research tools in selected disciplines of geological sciences (in particular: exploration geology, hydrogeology, applied mineralogy and petrology, environmental geochemistry and waste management).	P7S_UW
K2_U02	Student can use Polish and English scientific literature in the field of geological sciences.	P7S_UW
K2_U03	Student can critically analyzed and select information in the field of geological sciences.	P7S_UW
K2_U04	Student can plan and carry out research tasks or expertise under the guidance of a tutor.	P7S_UW P7S_UO
K2_U05	Student can use statistical methods and specialized techniques and tools for the description of phenomena and data analysis, as well as collect and interpret empirical data and data derived from various sources.	P7S_UW
K2_U06	Student has the ability to write scientific papers and reports in the Polish language (as well as short summaries in English).	P7S_UK
K2_U07	Student can refer the results of own research and undertake a scientific discussion with experts in his discipline of geological sciences.	P7S_UK
K2_U08	Student has the ability to plan his professional or research career.	P7S_UU
K2_U09	Student has the ability to communicate in a foreign language at the B2 + level of the European System of Language Description.	P7S_UK
SOCIAL COMPETENCES		
K2_K01	Student understands the need for continuous learning and improving professional skills, as well as the need to inspire and organize the learning process of other people.	P7S_KK
K2_K02	Student has the ability to work in a team and lead the work team.	P7S_KO
K2_K03	Student can appropriately prioritize for the completion of task specified by him or other people.	P7S_KK
K2_K04	Student has the ability to identify and solve problems and dilemmas associated with the profession of geologist.	P7S_KR
K2_K05	Student can evaluate the risks associated with the work of geologist and strives to create the conditions for safe work.	P7S_KR
K2_K06	Student systematically monitors and updates his knowledge in Earth sciences through reading scientific and popular science journals on natural sciences.	P7S_KK

K2_K07	Student can think and act in an enterprising manner taking into account the principles of ethics.	P7S_KR P7S_KO
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* delete if learning outcomes apply

Key:

PRK - Polish National Qualification Framework [Polska Rama Kwalifikacji]

P6S_WG/P7S_WG - component code of the qualification for level 6 and 7 for the second cycle of Polish National Qualification Framework

K_W - learning outcomes related to knowledge, specific for a given field of studies

K_U - learning outcomes related to skills, specific for a given field of studies

K_K - learning outcomes related to social competences, specific for a given field of studies

01, 02, 03 and following - a sequential number for a learning outcome specific for a given field of studies