

1.	Field of study	Applied Geology
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2024/2025 (winter term)
4.	Level of qualifications/degree	first-cycle studies (in engineering)
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	General information about the module	
Module name	Mining (I)	
Module code	W2-GS-S1-411	
Number of the ECTS credits	2	
Language of instruction	Polish	
Purpose and description of the content of education	<p>Moduł Górnictwo ma umożliwić studentowi nabycie wiedzy o sposobach i metodach eksploatacji złóż. Student powinien poznać schemat funkcjonowania zakładu górniczego, rodzaje wyrobisk i ich zadania, rodzaje obudów i warunki ich stosowania, sposoby i systemy eksploatacji złóż, metody urabiania kopaliny oraz transport w zakładach górniczych. Powinien także poznać zagadnienia dotyczące podstawowych zagrożeń naturalnych w górnictwie oraz wpływu działalności górniczej na środowisko naturalne i społeczne. Dzięki temu student ma uzyskać podstawową wiedzę na temat znaczenia górnictwa w naukach geologicznych i środowisku oraz kierunków rozwoju i współczesnych problemów górnictwa.</p>	
List of modules that must be completed before starting this module (if necessary)	[W2-GS-S1-405] Dynamic Earth 1 [W2-GS-S1-406] Dynamic Earth 2 [W2-GS-S1-024] Mineralogy with the basics of crystallography [W2-GS-S1-020] Environmental Protection	

8.	Learning outcomes of the module		
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)
W2-GS-S1-411_1	zna podstawowe sposoby i metody eksploatacji złóż kopalini i pogłębia wiedzę w zakresie wybranej problematyki	1GS_W3 1GS_W4 1GS_W6	2 3 2
W2-GS-S1-411_2	opisuje i wyjaśnia podstawowe pojęcia z zakresu górnictwa	1GS_W1	2
W2-GS-S1-411_3	opisuje i rozumie schematu funkcjonowania zakładu górniczego	1GS_W3 1GS_W4	2 2
W2-GS-S1-411_4	rozumie warunki eksploatacji górniczej w zależności od zagrożeń naturalnych	1GS_W3	3
W2-GS-S1-411_5	potrafi rozróżnić stosowane systemy eksploatacji kopalini w zależności od formy i budowy złoża	1GS_U1	3
W2-GS-S1-411_6	potrafi określić znaczenie i rolę transportu w funkcjonowaniu zakładu górniczego	1GS_U1	2

		1GS_U6	1
W2-GS-S1-411_7	rozumie kierunki perspektyw górnictwa w aspekcie, nowych technologii eksploatacji i bezpieczeństwa pracy, wykazuje aktywną postawę do poznawania rzeczy nowych i wykorzystywania ich dla wzbogacania własnej wiedzy, krytycznego i twórczego myślenia oraz otwartości na poglądy innych	1GS_K1 1GS_K6	1 3

9. Methods of conducting classes		
Code	Category	Name (description)
b02	Problem-solving methods	Lecture-discussion <i>transmission of content involving interaction with the lecture audience; discussion of lecture-related issues is one of its elements or constitutes its follow-up</i>
b04	Problem-solving methods	Activating method – discussion / debate <i>an exchange of views supported by substantive arguments leading to a clash of different views, a compromise or the identification of common positions; it proceeds according to previously agreed-upon rules regarding the time, manner and turn-taking as well as the principles of civil discourse; a discussion is not a competition but aims at finding the best solutions or presenting different points of view; its varieties include brainstorming, Oxford-style debate, panel discussion, decision tree, conference discussion; a debate is an orderly dispute between supporters and opponents of a viewpoint, usually specialists in the field or pre-selected representatives of a group dealing with a common problem</i>
c06	Demonstration methods	Demonstration-imitation <i>a presentation of a model way of performing specific activities accompanied by a commentary; it aims at triggering imitation activities in an individual or in a group of participants observing the activities of the person teaching the course until the right habit is formed through regular exercise; the demonstration-imitation method is combined with a physical practice of activities/behaviours</i>

10. Forms of teaching					
Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
W2-GS-S1-411_I_1	laboratory classes	12	course work	W2-GS-S1-411_4, W2-GS-S1-411_5, W2-GS-S1-411_6, W2-GS-S1-411_7	b04, c06
W2-GS-S1-411_w_1	lecture	12	course work	W2-GS-S1-411_1, W2-GS-S1-411_2, W2-GS-S1-411_3, W2-GS-S1-411_4	b02

11. The student's work, apart from participation in classes, includes in particular:			
Code	Category	Name (description)	Is it part of the BUNA?
a01	Preparation for classes	Search for materials and review activities necessary for class participation <i>reviewing literature, documentation, tools and materials as well as the specifics of the syllabus and the range of activities indicated in it as required for full participation in classes</i>	No
a02	Preparation for classes	Literature reading / analysis of source materials <i>reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class</i>	No
c02	Preparation for verification of learning outcomes	Studying the literature used in and the materials produced in class <i>exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing</i>	No

		<i>knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class</i>	
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Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.