



Subject card

Subject name and code	Mineral Resources, PG_00049200						
Field of study	Chemistry						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Chemistry and Technology of Functional Materials -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Anna Lisowska-Oleksiak					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	15.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours		Self-study	SUM	
	Number of study hours	30	5.0		15.0	50	
Subject objectives	The aim of the Subject " Mineral Resources" is to give basic information about mineralogy, petrography and mineral processing.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K6_U05] can, on the basis of the collected experimental or source material, prepare an oral communication with a multimedia presentation						
	K6_W02						
Subject contents	Not specified						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	test (written) on lecture course		51.0%		50.0%		
	Presentation on seminar		51.0%		50.0%		
Recommended reading	Basic literature		Bolewski A., Manecki A., Mineralogia szczegółowa, Wyd. Polskiej Agencji Ekologicznej, Warszawa, 1993, Manecki, Andrzej Encyklopedia minerałów, 2004; Bolewski, Andrzej, Kubisz, Jan, Żabiński - Mineralogia ogólna; 1975; E. Liber-Madzisz, B. Teisseyre, Mineralogia I petrografia, Oficyna Wydawnicza Wrocław 2000; .Willer Joanna, Pacholewska Małgorzata, Agnieszka Fornalczyk, Mariola Saternus Wprowadzenie do hydrometalurgii i biometalurgii metali nieżelaznych Wydawnictwo Politechniki Śląskiej, Gliwice 2015. Internet: http://webmineral.com http://http://surowce-mineralne.pgi.gov.pl/index.htm				
	Supplementary literature		Jan Drzymała, Podstawy mineralurgii, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław 2009				
	eResources addresses						

Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none">1. Main and characterised geological processes responsible for rocks formation.2. Describe Bowen's reaction series3. Describe economic importance of sulfide minerals on choices example.4. Give examples of diadochy.
Work placement	Not applicable