



Subject card

Subject name and code	Thesis laboratory, PG_00053166						
Field of study	Chemistry in Construction Engineering						
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group 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	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Analytical Chemistry -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Błażej Kudlak					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	75.0	0.0	0.0	75
	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	75		10.0		15.0	100
Subject objectives	The aim of subject is grounding knowledge on self-safety and safety of co-workers and surroundings during conducting of scientific work, responsibility and professional and societal ethics.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K7_U11	student has knowledge necessary to undertake labour in industry, knows and performs safety rules of workplace	[SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment
	K7_U10	student has knowledge on integrating skills gained during I and II grade courses	[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information
	K7_W02	Student has knowledge necessary to elaborate technology of producing metallic, ceramic, polimeric and composite materials and performing degradation studies of these materials	[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge
	K7_K02	student is able to actively cowork in group taking responsibility for his/her mistakes and of the entire group	[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work [SK1] Assessment of group work skills
K7_U03	student has skills on elaborating and presenting results of studies gained with respect paid to grammar rules of polish and english	[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment	
Subject contents	<p>- preparing Students to proper searching and presenting information in the area covered with thesis of given Student and learning specialized vocabulary, constructing research stand, recalling the knowledge gained during the study period on construction chemistry.</p> <p>- getting knowledge on searching and critical analyses of data collected, their synthesis and logical presentation in dependence on scientific problem raised.</p> <p>- getting knowledge on how to formulate and study the scientific hypotheses related to his/her scientific problems.</p> <p>- getting knowledge on how to analyse and critically select and apply objects and scientific devices in accordance with selected specialization.</p> <p>- getting knowledge on new vocabulary skills on specialized polish and english terminology in the area of construction chemistry.</p> <p>- getting knowledge in the area of searching databases in both polish and english, integrating the data gained, their interpretation and critical evaluation.</p> <p>- getting full linguistic knowledge in the area of searching databases in both polish and english, integrating the data gained, their interpretation and critical evaluation.</p>		
Prerequisites and co-requisites	knowledge gained during I and II grade of studies		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	evaluation of group-work	60.0%	50.0%
	evaluation of self-work	60.0%	50.0%
Recommended reading	Basic literature	will be presented during classes with students	
	Supplementary literature	will be presented during classes with students	
	eResources addresses	Adresy na platformie eNauczanie:	

Example issues/ example questions/ tasks being completed	will be presented during classes with students
Work placement	Not applicable