



Subject card

Subject name and code	Master's thesis, PG_00047612						
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			20.0		
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	0.0	0.0	0.0	0
	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	0		50.0		450.0	500
Subject objectives	The aim of subject is 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.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K7_W02	Student has grounded knowledge in the area of chemistry necessary to elaborate technology of creating metallic, ceramic, polymeric or composite materials and elaborating their chemical degradation	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation
	K7_U14	Student has knowledge on how to analyse and critically select and apply objects and scientific devices in accordance with selected specialization.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task
	K7_U04	Student has skills of searching and critical analyzing the data collected, their synthesis and logical presentation in relation scientific/project/application problem raised.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task
	K7_U01	The student has full knowledge in the area of searching databases in both polish and english, integrating the data gained, their interpretation and critical evaluation.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
	K7_U08	The student has full linguistic knowledge in the area of searching databases in both polish and english, integrating the data gained, their interpretation and critical evaluation.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
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 engineering studies and specialization		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	evaluation of self-work	60.0%	30.0%
	final test	60.0%	40.0%
	evaluation of results' presentation	60.0%	30.0%

Recommended reading	Basic literature	will be presented during classes with students depending on their basic knowledge level
	Supplementary literature	will be presented during classes with students depending on their basic knowledge level
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	will be presented during classes with students depending on their basic knowledge level	
Work placement	Not applicable	