

SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

Subject card

Subject name and code	Technologies Polymer Composites, PG_00039105									
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 Polish				
Semester of study	3		ECTS credits			2.0				
Learning profile	general academic profile		Assessment form			assessment				
Conducting unit	Department of Polym	ers Technology	/ -> Faculty of (Chemistry						
Name and surname	Subject supervisor		dr hab. inż. Łu	dr hab. inż. Łukasz Piszczyk						
of lecturer (lecturers)	Teachers									
Lesson types and methods	Lesson type	Lecture	Tutorial Laboratory Project		t	Seminar	SUM			
of instruction	Number of study hours	15.0	0.0	15.0 0.0			0.0	30		
	E-learning hours included: 0.0									
Learning activity and number of study hours	Learning activity	Participation in classes includ	n didactic ed in study	Participation in consultation hours		Self-study		SUM		
	Number of study 30 hours			5.0		15.0		50		
Subject objectives	The aim of the course is to familiarize students with the methods of production of polymer composite materials .									
Learning outcomes	Course outcome Subject outcome Method of verification									
	K7_W10		The student has knowledge in the field of business, knows the principles of creation and development of forms of individual entrepreneurship, quality management and organization of work and integrated management, has knowledge of basic legal aspects concerning the management of chemical substances with particular emphasis on chemical products			[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation				
	K7_U02		Students will be able to communicate using a variety of techniques in a professional environment.			[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools				
	K7_K03		The student on awareness of the social role of the university and understands the need to communicate scientific developments in the field of building chemistry.			[SK4] Assessment of communication skills, including language correctness [SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice				
Subject contents	Polymer composites, clays)	polymer compo	osites morrpho	logy, filers, nar	nofillers	(carbor	i nanotubes, g	raphene,		

Prerequisites and co-requisites						
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade			
	Passing the laboratories	60.0%	50.0%			
	Exam	60.0%	50.0%			
Recommended reading	Basic literature	Basic publications on polymer composites based on the WoS database.				
	Supplementary literature	 Wacław Królikowski, Polimerowe kompozyty konstrukcyjne, Wydawnictwo PWN, 2018 Anna Boczkowska, Grzegorz Krzesiński, Kompozyty i techniki ich wytwarzania, Oficyna Wydawnicza Politechniki Warszawskiej, 2016 				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	-					
Work placement	Not applicable					