



## Subject card

Subject name and code	Materials Technology in Sanitary Systems , PG_00042728						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2021/2022		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study		
Mode of study	Part-time studies	Mode of delivery			blended-learning		
Year of study	2	Language of instruction			Polish		
Semester of study	4	ECTS credits			5.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Sanitary Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Jakub Drewnowski					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	15.0	0.0	0.0	35
	E-learning hours included: 5.0						
	Adresy na platformie eNauczanie: Materiałoznawstwo Instalacyjne - 2021/2022 - Nowy - Moodle ID: 24034 <a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=24034">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=24034</a>						
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	35	5.0	85.0	125		
Subject objectives	nie dotyczy						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W07] has a structured and theoretically founded knowledge in the field of materials used in the sanitary industry, their physico-chemical properties; knows and understands the basic processes of their production	nie dotyczy			[SW1] Assessment of factual knowledge		
	[K6_U13] knows the rules of application and can choose the materials of the sanitary industry	nie dotyczy			[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_K02] understands the need to formulate and communicate to the public information and opinions on the achievements of environmental engineering and other aspects of the sanitary industry engineer's activity; is aware of the importance and understands the non-technical aspects and effects of engineering activities; makes efforts to provide such information and opinions in a widely understandable way, presenting different points of view	nie dotyczy			[SK2] Assessment of progress of work		
[K6_U14] can organize, estimate executive construction works (installation) in accordance with the principles of construction technology and organization, apply the principles of safety and health at work during the implementation of engineering tasks	nie dotyczy			[SU3] Assessment of ability to use knowledge gained from the subject			

Subject contents	nie dotyczy		
Prerequisites and co-requisites	nie dotyczy		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	nie dotyczy	50.0%	100.0%
Recommended reading	Basic literature	nie dotyczy	
	Supplementary literature	nie dotyczy	
	eResources addresses	Materiałoznawstwo Instalacyjne - 2021/2022 - Nowy - Moodle ID: 24034 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=24034">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=24034</a>	
Example issues/ example questions/ tasks being completed	nie dotyczy		
Work placement	Not applicable		