



Subject card

Subject name and code	, PG_00069779						
Field of study	Technologia robót specjalnych						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group				
Mode of study	Part-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Building Engineering -> Faculty of Civil and Environmental Engineering -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Adam Kristowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	5.0	30.0	0.0	0.0	0.0	35
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37841						
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		0.0		0.0	35
Subject objectives	Present and explain the principles of special works technology						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W06] Demonstrates practical knowledge and understanding of materials, devices and tools, processes and technologies in the field of civil engineering (and their limitations).		Student is familiar with the standards and principles of construction management		[SW1] Ocena wiedzy faktograficznej		
	[K6_K01] Is aware of the key aspects of professional, ethical and social responsibility related to management, business operation, decision making and opinion formulation in civil engineering.		Student knows the standards of work in construction		[SK5] Ocena umiejętności rozwiązywania problemów występujących w praktyce		
	[K6_U07] Design and build engineering structures in a sustainable manner, with care for the natural environment and a minimum carbon footprint		Student presents and explains basic concepts of special construction technology		[SU4] Ocena umiejętności korzystania z metod i narzędzi		
	[K6_U06] Conduct engineering activities in civil engineering subject area, using and applying practical knowledge and understanding of materials, equipment and tools, processes and technologies.		Student is able to organize work on a construction site in accordance with the principles of construction technology and organization		[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu		
	[K6_W07] Understand the investment's impact on the environment and the interrelationships and dependencies between the building structure and the natural environment		Student knows the principles of caring for the environment		[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym		

Subject contents	Underground technology, trenchless methods. Demolition works. Deep foundation technologies for buildings. Foldable structures. Building relocation and rectification. Drainage of deep construction excavations. Special methods of concreting engineering structures. Execution of construction works in winter and emergency conditions. Technologies for rapid reinforcement and stabilization of the ground.		
Prerequisites and co-requisites	none		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exercise task	60.0%	50.0%
	test	60.0%	50.0%
Recommended reading	Basic literature	1. Dyżewski A. : Technologia i organizacja budowy Arkady Warszawa. 2. Stefański A. : Technologia zmechanizowanych robót budowlanych. PWN. 3. Stefański A., Walczak J. : Technologia robót budowlanych. Arkady. 4. Śniadkowski Z. : Maszyny do zagęszczania podłoża. WN-T. 5. Krzewiński R., Rekucki R. Roboty budowlane przy użyciu materiałów wybuchowych, Polcen 2020.	
	Supplementary literature	5. Praca zbiorowa : Mechanizacja robot wykończeniowych w budownictwie. Arkady. 6. Fligier K., Rowiński L., Szwabowski J. : Montaż zintegrowanych konstrukcji budowlanych. PWN.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activites within the subject	Not applicable		

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