



Subject card

Subject name and code	TECHNOLOGY AND ORGANIZATION CONSTRUCTION WORKS, PG_00062603						
Field of study	Civil Engineering						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Building Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Adam Kristowski				
	Teachers		dr inż. Adam Kristowski				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		0.0		0.0	30
Subject objectives	Knowledge of technology and the organization construction works						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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.		The student can correctly use the principles of work organization.		[SK5] Assessment of ability to solve problems that arise in practice		
	[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.		The student is able to use economically and ethically the principles of professional activity.		[SU4] Assessment of ability to use methods and tools		
	[K6_U08] Can manage a company/construction project, as well as organize work on a construction site in accordance with legal standards and health and safety regulations.		The student is able to use safety rules and labor laws.		[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W06] Demonstrates practical knowledge and understanding of materials, devices and tools, processes and technologies in the field of civil engineering (and their limitations).		The student knows the principles of using construction machinery and equipment.		[SW1] Assessment of factual knowledge		
	[K6_W08] Knowledge of construction law, the basics of entrepreneurship, project management, knowledge of the principles of risk and safety regulations standards of organization and construction site management.		The student is able to apply knowledge of construction law and business management.		[SW1] Assessment of factual knowledge		

Subject contents	Basic issues in construction work technology. Mechanization of construction works. Technology for preparatory works. Technology and management of earthwork. Technology and management of concrete works. Technological transport. Technology and management of assembly. Prefabrication. Technology of finish work. Scaffolds. Technology of topcoat work. Technical specifications of work conduct and commissioning. Basic issues concerning management. Safety of construction works.		
Prerequisites and co-requisites	access to professional literature		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test	60.0%	100.0%
Recommended reading	Basic literature	Literatura podstawowa 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. Jaworski K.M.: Metodologia projektowania realizacji budowy. WN PWN Warszawa 5. Jaworski K.M.: Podstawy organizacji budowy.WN PWN Warszawa	
	Supplementary literature	Literatura uzupełniająca 6. Śniadkowski Z. : Maszyny do zagęszczania podłoża. WN-T 7. Praca zbiorowa : Mechanizacja robot wykończeniowych w budownictwie. Arkady 8. Fligier K., Rowiński L., Szwabowski J. : Montaż zintegrowanych konstrukcji budowlanych. PWN 9. Stoner J.A.F., Freeman R.E., Gilbert D.R.: Kierowanie. PWE Warszawa.	
	eResources addresses	Adresy na platformie eNauczanie: Technologia i organizacja robót budowlanych 2024 - Moodle ID: 37841 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37841	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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