



Subject card

Subject name and code	TECHNOLOGY AND ORGANIZATION CONSTRUCTION WORKS II, PG_00064603						
Field of study	Civil Engineering						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department of Building Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
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	15.0	15.0	0.0	15.0	0.0	45
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/index.php?id=4751						
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	45		0.0		0.0	45
Subject objectives	Getting to know the basic knowledge of technology and organization of construction works.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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 explain the principles of managing construction works.		[SU3] Assessment of ability to use knowledge gained from the subject		
	[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 is able to explain the basic issues of planning construction works.		[SK5] Assessment of ability to solve problems that arise in practice		
	[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 explain the basic concepts of management during the implementation of construction works.		[SU2] Assessment of ability to analyse information		
	[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 is able to explain the principles of construction technology.		[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 explain the regulations regarding construction works.		[SW3] Assessment of knowledge contained in written work and projects		

Subject contents	Course content – lecture		
	Technology and organization of concrete works. Technological transport. Technology and organization of assembly. Prefabrication. Finishing works technology. Scaffolding. Technology of surface works. Technical specifications of execution and acceptance of works. Basic terms concerning organization and management. Design of the construction process implementation in time: linear schedules, network methods. Design of site development. Safety and health protection regulations in the construction process.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exercise	60.0%	33.0%
	exam	60.0%	34.0%
	project	60.0%	33.0%
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. Jaworski K.M.: Metodologia projektowania realizacji budowy. WN PWN Warszawa	
		5. Jaworski K.M.: Podstawy organizacji budowy. WN PWN Warszawa	
	Supplementary literature	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. 10. Ustawa Prawo budowlane.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activities within the subject	Not applicable		

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