GDAŃSK UNIVERSITY OF TECHNOLOGY

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 2023	Academic year of realisation of subject	2025/2026
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 -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Adam Kristowski	
	Teachers		

Lesson types and methods of instruction

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_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
[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_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_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_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

Subject contents	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
project	60.0%	33.0%
exam	60.0%	34.0%
exercise	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., Freemen R.E., Gilbert D.R.: Kierowanie. PWE Warszawa. 10. Ustawa Prawo budowlane.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

Document generated electronically. Does not require a seal or signature.