



## Subject card

Subject name and code	Technology and organization of construction industrial works, PG_00044022						
Field of study	Civil Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2023/2024		
Education level	first-cycle studies		Subject group		Optional subject group Humanistic-social subject group Subject group related to scientific research in the field of study		
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 Metal Structures -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Adam Kristowski				
	Teachers		dr inż. Anna Jakubczyk-Gałczyńska				
			dr inż. Adam Kristowski				
			mgr inż. Anna Cuglewska-Lech				
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						
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		7.0		23.0	75
Subject objectives	Explain the basic knowledge of the technology and organization construction works.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U16] is able to manage the construction site according to codes of technology and construction management		The student is able to explain and present the basic issues of planning construction works.				
	[K6_K03] can think and act creatively and enterprisingly, obeys the etics code		The student is able to explain and present the basic concepts of management during the implementation of construction works.				
	[K6_W14] Has knowledge on basic enterprise, management and marketing in a company; knows labour norms in civil engineering and rules of construction organizing and management		The student is able to explain and present the regulations concerning construction works				
	[K6_U11] knows and applies rules of construction law; can estimate risk of construction works and implement proper security routines; obeys the rules of occupational safety and health		The student is able to explain and present the principles of managing construction works.				
Subject contents	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. Designing the execution of a construction process within timelines: linear schedules, network methods. Designing construction site arrangement. Regulations relating to safety and health protection in the construction process.						

Prerequisites and co-requisites	access to professional literature		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	60.0%	33.0%
	Practical exercise	60.0%	33.0%
	Written exam	60.0%	34.0%
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. 10. Ustawa Prawo budowlane.	
	eResources addresses	Adresy na platformie eNauczanie: Technologia i organizacja robót budowlanych 2023 - Moodle ID: 30575 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30575">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30575</a>	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		