



Subject card

Subject name and code	Technology and organization of construction hydrotechnics works , PG_00044019						
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 Building Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Adam Kristowski				
	Teachers		dr inż. Anna Jakubczyk-Galczyńska				
			mgr inż. Anna Cuglewska-Lech				
			dr inż. Adam Kristowski				
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	Getting to know the basic knowledge of technology and organization of construction works.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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 principles of construction management.				
	[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 regulations concerning construction works.				
	[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 basic concepts of management during construction works.				
	[K6_K03] can think and act creatively and enterprisingly, obeys the etics code		The student is able to explain and present basic issues of planning construction works				

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
	exam	60.0%	34.0%
	project	60.0%	33.0%
	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 robót 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 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30575	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		