



Subject card

Subject name and code	Organization of Construction Production, PG_00041438						
Field of study	Civil Engineering						
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	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. Anna Jakubczyk-Gałczyńska					
	Teachers	dr inż. Anna Jakubczyk-Gałczyńska mgr inż. Agata Siemaszko					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	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	5.0		0.0		50
Subject objectives	The aim of course is to introduce students to the principles of planning and organizing the implementation of construction works during the investment process. Students will learn modern software and the principles of building production management.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_K03] can think and act creatively and enterprisingly and works for society	The student knows the methods of solving engineering problems. The student is able to solve optimization problems. The student is able to organize construction facilities in difficult conditions.			[SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills		
	[K7_U15] has advanced skills in civil engineering within offered specialization/profile	The student knows the building law and is able to prepare construction documentation. Can optimize work schedules. The student knows the stages of the construction process and its participants and is able to classify investments.			[SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_W15] has deep and adequate knowledge of civil engineering, within offered specialization and profile	The student uses specialized software and knows the concept of warranty. Student can prepare specialized documentation, among others specification of the execution and acceptance of construction works, log building.			[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Building license. Preparation for construction works. Construction process, building regulations. Investments. Object classification. Works organization methods. Norma Expert - bill of quantities. Determining the duration of the activity. Dependency Network. MPM-Metro method. Participants in the construction process - relationships between them and the stages of the process. Stages of the construction process. Construction site development - logistic problems. Technical Specifications. Practical aspects, examples. As-built activities. Log building. Construction warranty - its scope and functioning. Acceptances. Use permit.						
Prerequisites and co-requisites	The student has knowledge in the field of technology and organization of construction works, economics, cost estimation, metal structures, reinforced concrete and construction projects management - he is able to solve optimization problems using selected methods and is able to create bill of quantities, cost estimate, schedule.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exercise 3	0.0%	20.0%
	exercise 4	0.0%	20.0%
	exercise 2	0.0%	20.0%
	exercise 1	0.0%	20.0%
	test 1	0.0%	10.0%
	test 2	0.0%	10.0%
Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. Materials provided by the teacher 2. Act of 7 July 1994 Construction Law 3. Individual Regulations of the Ministers 4. Panas J. Nowy poradnik majstra budowlanego, Arkady, 2012. [in Polish] 5. Organizacja produkcji budowlanej, Leon Rowiński. [in Polish] 6. Dyżewski A.: Technologia i organizacja budowy. Arkady Warszawa. [in Polish] 7. Martinek W., Książek M., Jackiewicz-Rek W.: Technologia robót budowlanych. OWPW. [in Polish] 8. Martinek W., Nowak P., Woyciechowski P.: Technologia robót budowlanych. OWPW. [in Polish] 	
	Supplementary literature	<ol style="list-style-type: none"> 1. Praca zbiorowa : Mechanizacja robot wykończeniowych w budownictwie. Arkady. [in Polish] 2. Stoner J.A.F., Freeman R.E., Gilbert D.R.: Kierowanie. PWE Warszawa. [in Polish] 3. Stefański A.: Technologia zmechanizowanych robót budowlanych. PWN. [in Polish] 4. Stefański A., Walczak J.: Technologia robót budowlanych. Arkady. [in Polish] 5. Jaworski K.M.: Podstawy organizacji budowy. WN PWN Warszawa. [in Polish] 6. Kowalczyk Z., Zabielski J.: Kosztorysowanie i normowanie w budownictwie. WSiP, 2011. [in Polish] 7. Śniadkowski Z.: Maszyny do zagęszczania podłoża. WN-T. [in Polish] 8. Fligier K., Rowiński L., Szwabowski J.: Montaż zintegrowanych konstrukcji budowlanych. [in Polish] 	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		