GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Organization of Construction Production, PG_00041438		
Field of study	Civil Engineering		
Date of commencement of studies	February 2025	Academic year of realisation of subject	2025/2026
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		

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 knowlege 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.

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>exercise 3</td><td>0.0%</td><td>20.0%</td></tr>
<tr><td>exercise 4</td><td>0.0%</td><td>20.0%</td></tr>
<tr><td>exercise 2</td><td>0.0%</td><td>20.0%</td></tr>
<tr><td>exercise 1</td><td>0.0%</td><td>20.0%</td></tr>
<tr><td>test 1</td><td>0.0%</td><td>10.0%</td></tr>
<tr><td>test 2</td><td>0.0%</td><td>10.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>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]</td></tr>
<tr><td>Supplementary literature</td><td>1. Praca zbiorowa : Mechanizacja robot wykończeniowych w budownictwie. Arkady. [in Polish]
2. Stoner J.A.F., Freemen 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]</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2"></td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
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