



Subject card

Subject name and code	, PG_00062836						
Field of study	Civil Engineering						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2024/2025		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		3.0		
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. Wojciech Migda				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	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	30		0.0		0.0	30
Subject objectives	The aim of the course is to design a structure for specific span and load-bearing requirements and then build it as a paper structure as a team. The final stage is to check the structure under load.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K03] Can effectively, clearly and unambiguously convey information, describe activities and communicate their results/ outcomes to engineers or a wider audience using appropriate communication methods and tools.		Students present the result of their teamwork in the form of a presentation.		[SK4] Assessment of communication skills, including language correctness		
	[K6_K02] Can work effectively in a group, as well as function in teams, which may consist of representatives of various branches and levels.		Students jointly design and create structures according to design assumptions.		[SK2] Assessment of progress of work		
	[K6_W05] Demonstrate knowledge and understanding of research methods (obtaining information, simulations, experimental methods) in the field of civil engineering.		Students perform numerical calculations for the designed structure.		[SW2] Assessment of knowledge contained in presentation		
	[K6_U05] Conducts research (obtaining information, simulations, experimental methods) in the field of construction in order to solve specific tasks and report research results.		Students independently design the static schematic of the structure and determine the dimensions of the structure's elements.		[SU1] Assessment of task fulfilment		
Subject contents	Adoption of design assumptions.Preparation of preliminary drawings (concept) of the structure.Creation of a numerical model of the structure.Preparation of construction drawings of structures.Construction of the structure model.Conducting a load test on the structure.						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project (model)	60.0%	50.0%
	Presentation	60.0%	20.0%
	Report	60.0%	30.0%
Recommended reading	Basic literature	1. Budownictwo ogólne, Arkady, Tom 1, 3, 4 2. Mechanika ogólna	
	Supplementary literature	1. Nowy poradnik majstra budowlanego, Arkady	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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