



## Subject card

Subject name and code	, PG_00062626						
Field of study	Civil Engineering						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study		
Mode of study	Part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		7.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Engineering Structures -> Faculty Of Civil And Environmental Engineering -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Ewelina Korol				
	Teachers		dr hab. inż. Ewelina Korol				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	25.0	0.0	0.0	25.0	0.0	50
	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	50		0.0		0.0	50
Subject objectives	Acquiring knowledge in the field of structural design of general construction facilities, in particular the ability to collect loads, static and strength dimensioning and preparing construction drawings.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U03] Design engineering objects and details, processes and engineering systems by applying appropriate standards and methods of design.		The student designs objects and details of general construction using applicable design procedures and standards		[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools		
	[K6_W03] Demonstrate knowledge and understanding of the processes, established standards and design methods in the civil engineering subject area and of their limitations.		The student knows and understands applicable design procedures and the scope of individual standards.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_W06] Demonstrates practical knowledge and understanding of materials, devices and tools, processes and technologies in the field of civil engineering (and their limitations).		The student knows the standards and guidelines for the design of general construction facilities and their elements		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U04] Reads and prepares construction documentation (including drawings, graphic documentation in the CAD environment), efficiently uses maps as well as architectural, construction and geodetic drawings.		The student is able to prepare technical/manufacturing drawings using CAD and is able to read information from industry drawings, including architectural drawings and geodetic maps.		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools		
Subject contents	Designing manufactured beam ceilings, masonry structures and window/door lintels. Expert knowledge in the field of roof structures, roofing, insulation.						
Prerequisites and co-requisites	The student received a positive grade for the project in the subject General Construction I						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Exam		60.0%		50.0%		
	Project		60.0%		50.0%		

Recommended reading	Basic literature	<ul style="list-style-type: none"> <li>• Żenczykowski W.: Budownictwo ogólne, t. 2/1</li> <li>• Pyrak S., Włodarczyk W.: Konstrukcje budowlane</li> <li>• Rawska-Skotniczy A.: Obciążenia budynków i konstrukcji budowlanych wg Eurokodów.</li> <li>• Buda-Ożóg L, Skrzypczak I., Szylak K., Raczyka A.: Konstrukcje murowe. Przykłady obliczeń wg Eurokodu 6 oraz metodami probabilistycznymi.</li> <li>• Praca zbiorowa: Poradnik majstra budowlanego.</li> <li>• Michalak H., Pyrak S.: Domy jednorodzinne konstruowanie i obliczenia.</li> </ul>
	Supplementary literature	brak
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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