GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00062626		
Field of study	Civil Engineering		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	
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 -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Ewelina Korol	
	Teachers		

Lesson types

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_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_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_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

Course content – lecture
Designing manufactured beam ceilings, masonary 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	• Żenczykowski W.: Budownictwo ogólne, t. 2/1 • Pyrak S., Włodarczyk W.: Konstrukcje budowlane • Rawska-Skotniczy A.: Obciążenia budynków i konstrukcji budowlanych wg Eurokodów. • Buda-Ożóg L, Skrzypczak I., Szylak K., Raczyka A.: Konstrukcje murowe. Przykłady obliczeń wg Eurokodu 6 oraz metodami probabilistycznymi. • Praca zbiorowa: Poradnik majstra budowlanego. • Michalak H., Pyrak S.: Domy jednorodzinne konstruowanie i obliczenia.
	Supplementary literature	brak
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Practical activites within the subject	Not applicable	

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