



Subject card

Subject name and code	Building Construction, PG_00059070						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Optional 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		4.0		
Learning profile	general academic profile		Assessment form		assessment		
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	15.0	15.0	0.0	0.0	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		3.0		68.0	101
Subject objectives	Familiarizing the student with knowledge regarding the design and construction of general construction facilities,rules for preparing technical drawings and conducting basic static and strength calculations using Eurocodes						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U06] knows and applies the basic provisions of construction law, water law and environmental law		The student knows the scope and key words regulations resulting from Polish Construction Law and Conditions Technical as they should be respond buildings and their location.		[SU2] Assessment of ability to analyse information		
	[K6_W08] has elementary knowledge of construction: including building materials, their strength, construction mechanics and building physics, moisture migration in buildings, heat transfer through building partitions		The student has basic knowledge knowledge of materials construction, building physics, structural mechanics and strength of materials.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U01] has the ability to self-education, can obtain information from literature, databases and other sources, uses information technology, Internet resources; can integrate the obtained information, make their interpretation, as well as draw conclusions and formulate and justify opinions		The student can do it independently deepen your knowledge in in the field of construction with using various sources of information. Interprets regulations and draws conclusions		[SU2] Assessment of ability to analyse information		

Subject contents	Course content – lecture Construction law and technical conditions that buildings and their location should meet. Detailsarchitectural structures, structural systems and building materials. Design of prefabricated beams ceilingsand preparing technical drawings.		
Prerequisites and co-requisites	brak		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Test	60.0%	50.0%
	Project	60.0%	50.0%
Recommended reading	Basic literature	<ul style="list-style-type: none">• 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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