



Subject card

Subject name and code	Building Construction, PG_00062070						
Field of study	Civil Engineering						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
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	3		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department of Building Structures and Material Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Michał Nitka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	30.0	0.0	60
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=1842						
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	60		0.0		0.0	60
Subject objectives	The aim of the course Budownictwo Ogólne I is to introduce students to the fundamental issues related to general construction, including the behavior of structures, types of loads, individual structural elements, and building materials. Additionally, attention is given to common design and construction errors, as well as to the overall course of the building process.						
	During the design classes, students learn the principles of technical drawing both reading and creating drawings. They independently prepare architectural and structural drawings, including plans, sections, and detailed 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.	Designs buildings and construction details, as well as building processes and systems, applying appropriate standards and design methods.	[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment
	[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 read and prepare construction documentation (including drawings and graphic documentation in a CAD environment) and is proficient in using architectural and construction drawings.	[SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment
	[K6_W04] Knows the rules of descriptive geometry and technical drawing for preparing and reading architectural, construction and geodetic drawings; also with the use of CAD	Knows the principles of descriptive geometry and technical drawing related to the creation and interpretation of architectural and construction drawings, including the use of CAD software.	[SW3] Assessment of knowledge contained in written work and projects
	[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 possesses basic knowledge in the field of construction, including the types of structures and their behavior, individual structural elements, and building materials. The student should develop the ability for self-directed learning, be able to obtain information from literature, databases, and other sources, and effectively use information technologies and online resources. The student is capable of integrating acquired information, interpreting it, drawing conclusions, as well as formulating and justifying opinions.	[SW3] Assessment of knowledge contained in written work and projects
Subject contents	Course content – lecture The lectures are thematically divided into sections: introduction (scope of the course, basic concepts and classifications), construction process, building law, basic structural systems, walls and masonry, lintels, floors (including ribbed slabs), and flat roofs. Course content – project The design component involves producing 8 architectural and construction drawings, including details (plans, sections, etc.). All drawings will be created using CAD technology, except for the first one, which will be done by hand.		
Prerequisites and co-requisites	The student should complete classes in AutoCAD drawing.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam	60.0%	50.0%
	Defense of the project	60.0%	50.0%
Recommended reading	Basic literature	none	
	Supplementary literature	none	
	eResources addresses		
Example issues/ example questions/ tasks being completed	- Architectural and structural drawings of the building; - Drawings of structural and non-structural elements; - Theoretical topics, including definitions, building law, terminology, etc.		
Practical activities within the subject	Not applicable		

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