



## Subject card

Subject name and code	Basics of Civil Engineering, PG_00059072						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
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						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Ewelina Korol					
	Teachers						
Lesson types and methods of instruction	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	To familiarize the student with knowledge regarding the design and construction of general construction facilities, the principles of preparing technical drawings and conducting basic static and strength calculations using Eurocodes.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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 of building materials, construction physics, construction mechanics and material strength.			[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U06] knows and applies the basic provisions of construction law, water law and environmental law	The student knows the scope and key provisions arising from the Polish Construction Law and Technical Conditions that buildings and their location should meet.			[SU2] Assessment of ability to analyse information		
	[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 is able to independently expand his knowledge in the field of construction using various sources of information. Interprets regulations and draws conclusions.			[SU2] Assessment of ability to analyse information		
Subject contents	Construction law and technical conditions that buildings and their location should meet. Architectural details, structural systems and building materials. Designing prefabricated beam ceilings and preparing technical drawings.						
Prerequisites and co-requisites	brak						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Project	60.0%			50.0%		
	Test	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>• Michałak 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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