



Subject card

Subject name and code	Basics of Civil Engineering, PG_00047995						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2022/2023		
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 Building Structures and Material Engineering -> 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		5.0		70.0	105
Subject objectives	The aim of this subject is to introduce to students the basic issues related to general construction: construction work, loads, individual elements of the structure, building materials, etc. In addition, attention is paid to design and execution errors and the entire construction process. During the project lessons, students learn technical drawing (drawing and reading) and basic construction calculations. .						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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 should acquire the ability to self-study, be able to obtain information from literature, databases and other sources, use information technology, Internet resources; be able to integrate the obtained information, interpret it, draw conclusions and formulate and justify opinions		[SU3] Assessment of ability to use knowledge gained from the subject		
	[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 elementary knowledge in the field of construction: including building materials, their strength, structural mechanics and building physics, moisture migration in buildings, heat transfer through building partitions		[SW1] Assessment of factual knowledge		
	[K6_U06] knows and applies the basic provisions of construction law, water law and environmental law		The student knows and applies the basic provisions of construction law, water law and environmental law		[SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Introduction to construction, including polish construction law and technical conditions. Overview of building materials, structural systems and building technology. Designing building partitions, taking into account thermal insulation and fire resistance. Design and construction of walls, ceilings, lintels, arches, arches, chimneys.						
Prerequisites and co-requisites	The student should finish the AutoCad course.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	finished project	50.0%	30.0%
	project progress	50.0%	20.0%
	questions to lectures	50.0%	50.0%
Recommended reading	Basic literature	Budownictwo ogólne Katalog rozwiązań konstrukcyjno materiałowychNiedostatkiwicz Majewski, Skuza Bobiński	
	Supplementary literature	1. Malinowski Cz., Peła R.: Projektowanie konstrukcji murowych i stropów w budownictwie tradycyjnym. Politechnika Łódzka 1999. 2. Malinowski Cz., Peła R.: Projektowanie stropów i ścian w budownictwie tradycyjnym, część I. Łódź: Politechnika Łódzka 1989. 3. Pierzchlewicz J., Jarmontowicz R.: Budynki murowane. Warszawa: Arkady 1994. 4. Praca zbiorowa: Poradnik inżyniera i technika budowlanego, t. V. Warszawa: Arkady 1986. 5. Praca zbiorowa: Poradnik majstra budowlanego. Warszawa: Arkady 1985. 6. Pyrak S., Włodarczyk W.: Konstrukcje budowlane. Warszawa: WSiP 1995. 7. Żenczykowski W.: Budownictwo ogólne, t. 2/1. Warszawa: Arkady 1990. 8. Michalak H., Pyrak S.: Domy jednorodzinne konstruowanie i obliczenia. Warszawa: Arkady 2000. 9. Kobiak J., Stachurski W.: Konstrukcje żelbetowe t.1 Warszawa: Arkady 1984. 10. Niedostatkiwicz M.: Budownictwo Ogólne. Przykłady obliczeń. Gdańsk: Politechnika Gdańska 1999. 11. Niedostatkiwicz M., Majewski T., Skuza M., Bobiński J.: Budownictwo Ogólne. Katalog rozwiązań konstrukcyjno materiałowych. Gdańsk: Politechnika Gdańska 2006	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		