



Subject card

Subject name and code	Fundamentals of buildings, PG_00043648						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Optional subject group		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	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. Michał Nitka				
	Teachers		dr hab. inż. Michał Nitka				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	30.0	0.0	0.0	0.0	60
	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	60		5.0		45.0	110
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_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		
	[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_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		
Subject contents	The topic is about buildings and materials.						
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%
	the presentation	50.0%	30.0%
	questions to lectures	50.0%	20.0%
	project progress	50.0%	20.0%
Recommended reading	Basic literature	Budownictwo ogólne Katalog rozwiązań konstrukcyjno materiałowych Niedostatkiwicz Majewski, Skuza Bobiński	
	Supplementary literature	no English literature	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	- three construction drawings of the building- two calculations of structural elements- answers to lecture questions (few words)- presentation on a given topic		
Work placement	Not applicable		