



Subject card

Subject name and code	, PG_00041522							
Field of study	Civil Engineering							
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024			
Education level	second-cycle studies	Subject group			Optional subject group			
Mode of study	Full-time studies	Mode of delivery			at the university			
Year of study	1	Language of instruction			English			
Semester of study	2	ECTS credits			3.0			
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 dr hab. inż. Michał Wójcik					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM	
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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		40.0	75	
Subject objectives	Knowledge with research works and technical opinions performed in chair.							
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[K7_W05] has knowledge about business activity specific for construction sector; understands principles of financial economy of companies, knows rules of defining quality management procedures in a construction company; has knowledge about optimisation of building enterprises and existing risk and uncertainty							
	[K7_W09] knows advanced methods of building physics with applications in heat and moisture migration in buildings, energy demand for buildings and its acoustics					[SW1] Assessment of factual knowledge		
	[K7_U12] can calculate and analyse the energy balance of a building					[SU1] Assessment of task fulfilment		
	[K7_K04] understands the necessity of dissemination civil engineering knowledge in the society and to support the professional ethos of a civil engineer							
[K7_W10] knows modern building materials as well as technologies and methods of its manufacturing and production of construction elements					[SW1] Assessment of factual knowledge			
Subject contents	Topics of research works and technical opinions in chair.							

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Presence	55.0%	100.0%
Recommended reading	Basic literature	Lack	
	Supplementary literature	Lack	
	eResources addresses	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed	Research topics proceeded in department		
Work placement	Not applicable		