



Subject card

Subject name and code	Revitalisation of Buildings and Structures, PG_00069212						
Field of study	Civil Engineering						
Date of commencement of studies	October 2023		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	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Building Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Wojciech Migda				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	0.0	0.0	0.0	45
	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	45		10.0		70.0	125
Subject objectives	The aim of the course is to familiarise students with the practical aspects of design work in the field of construction, on existing buildings and structures.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K03] Can effectively, clearly and unambiguously convey information, describe activities and communicate their results/ outcomes to engineers or a wider audience using appropriate communication methods and tools.		Is able to design and conduct project analysis.		[SK1] Assessment of group work skills		
	[K6_K04] Engages in independent lifelong learning and individually follows the development of science and technology in the field of civil engineering.		Understands the importance of responsibility in engineering activities, including the reliability of the presented results of their work and their interpretation.		[SK2] Assessment of progress of work		
Subject contents	Course content – lecture						
	This course discusses issues related to existing buildings and structures, with particular emphasis on: - assessment of static designs, - load analysis, - the impact of planned changes.						
	Course content – exercises						
	The exercises cover topics such as: - evaluation of the structural layout of the existing facility, - possible modifications, - methods of implementing reinforcements.						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	prezentacja	60.0%	50.0%
	project	60.0%	50.0%
Recommended reading	Basic literature	1. USTAWA Prawo budowlane 2. Rozporządzenie w sprawie warunkow technicznych, jakim powinny odpowiadać budynki i ich usytuowanie 3. Normy (Eurokody): PN-EN 1990, PN-EN 1991, PN-EN 1992, PN-EN 1993, PN-EN 1995, PN-EN 1996	
	Supplementary literature	1. Masłowski E., Spizewska D.: Wzmacnianie konstrukcji budowlanych, Arkady, Warszawa 20002	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activites within the subject	Not applicable		

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