



Subject card

Subject name and code	, PG_00069313						
Field of study	BIM 2 (Bud. zrównoważone)						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2025/2026		
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		2.0		
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	0.0	0.0	30.0	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		2.0		18.0	50
Subject objectives	The aim of the course is to familiarize students with working in the Building Information Modeling software environment.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K01] Is aware of the key aspects of professional, ethical and social responsibility related to management, business operation, decision making and opinion formulation in civil engineering.		Knows basic design procedures.		[SK2] Ocena postępów pracy		
	[K6_U07] Design and build engineering structures in a sustainable manner, with care for the natural environment and a minimum carbon footprint		Is able to evaluate the correctness of the adopted solutions.		[SU2] Ocena umiejętności analizy informacji		
	[K6_U06] Conduct engineering activities in civil engineering subject area, using and applying practical knowledge and understanding of materials, equipment and tools, processes and technologies.		Can prepare and evaluate a 3D model in a BIM environment.		[SU1] Ocena realizacji zadania		
	[K6_W07] Understand the investment's impact on the environment and the interrelationships and dependencies between the building structure and the natural environment		Is able to aevaluate the impact of adopted solutions on the environment.		[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym		
	[K6_W06] Demonstrates practical knowledge and understanding of materials, devices and tools, processes and technologies in the field of civil engineering (and their limitations).		Can prepare complete technical documentation.		[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym		

Subject contents	Course content – laboratory The course covers basic BIM concepts, including: - scale and level of detail (LOD), - building and structure structure, - model derivatives in the form of drawings and reports.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	project	60.0%	100.0%
Recommended reading	Basic literature	BIM w praktyce: standardy, wdrożenie, case study, Dariusz Kasznia, Jacek Magiera, Paweł Wierzowiecki, 2017 Wydawnictwo Naukowe PWN	
	Supplementary literature	BIM STANDARD PL, Warszawa, wrzesień 2020 - https://www.gov.pl/web/rozwoj-technologie/realizuj-inwestycje-zgodnie-z-metodyka-bim---opracowanie-bim-standard-pl	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activities within the subject	Not applicable		

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