



Subject card

Subject name and code	Building Structures and Technologies for Architects, PG_00057081						
Field of study	Architecture						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			English		
Semester of study	1	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Building Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Tomasz Falborski					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	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	6.0		24.0	75	
Subject objectives	Overview of various building structures and technologies along with structural design procedures of structural members.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_W05] knows and understands issues related to architecture and urban planning in the context of the multi-discipline nature of architectural and urban design as well as the need to cooperate with other specialists; legal provisions and procedures necessary for the implementation of building designs and the integration of buildings with the overall planning project				[SW2] Assessment of knowledge contained in presentation		
	[K7_W01] knows and understands construction, building and engineering issues related to building design; principles, solutions, constructions and building materials used in performing complex engineering tasks in the field of architectural and urban design				[SW2] Assessment of knowledge contained in presentation		
Subject contents	Overview of various building structures and technologies along with structural design procedures of structural members.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
		60.0%			50.0%		
		60.0%			50.0%		

Recommended reading	Basic literature	1. Edward Allen, Joseph Iano, <i>Fundamentals of Building Construction: Materials and Methods</i> , John Wiley&Sons Inc. 2. Andrea Deplazes, <i>Constructing Architecture: Materials, Processes, Structures: a Handbook</i> , Birkhäuser -- Publishers for Architecture.
	Supplementary literature	Andrew Watts, <i>Modern Construction Handbook</i> , Birkhäuser -- Publishers for Architecture.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	