GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Fundamentals of buildings, PG_00043648		
Field of study	Environmental Engineering		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2023/2024
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 inż. Maciej Lewandowski-Szewczyk mgr inż. Patryk Chodkowski	

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		
[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		
[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		

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
	project progress	50.0%	20.0%
	questions to lectures	50.0%	20.0%
	the presentation	50.0%	30.0%
	finished project	50.0%	30.0%
Recommended reading	Basic literature	Budownictwo ogólne Katalog rozwiązań konstrukcyjno materiałowychNiedostatkiewicz 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		