

关。GDAŃSK UNIVERSITY 创 OF TECHNOLOGY

Subject card

Subject name and code	Industrial Construction , PG_00043978							
Field of study	Civil Engineering							
Date of commencement of studies	October 2021		Academic year of realisation of subject			2023/2024		
Education level	first-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	3		Language of instruction			Polish		
Semester of study	6		ECTS credits			1.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Department of Building Structures and Material Engineering -> Faculty of Civil and Environmental Engineering							ental
Name and surname	Subject supervisor prof. dr hab. inż. Andrzej T				jchman-	Konarzo	ewski	
of lecturer (lecturers)	Teachers							
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	oject Seminar		SUM
of instruction	Number of study hours	15.0	15.0	0.0	0.0		0.0	30
	E-learning hours inclu	arning hours included: 0.0						
	Address on the e-lear	ning platform:	https://enaucza	nie.pg.edu.pl/	moodle/	enrol/in	dex.php?id=1	4793
Learning activity and number of study hours	Learning activity	Participation in classes includ plan	n didactic ed in study	Participation in consultation hours		Self-study		SUM
	Number of study 30 hours		0.0		0.0 30			
Subject objectives	Knowledge on indust	ial structures						
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[K6_U11] knows and applies rules of construction law; can estimate risk of construction works and implement proper security routines; obeys the rules of occupational safety and health		The student knows			[SU1] Assessment of task fulfilment		
	[K6_U04] can correctly choose tools (analytical or numerical) to solve engineering problems in design of structures or construction process		The student perfectly can			[SU4] Assessment of ability to use methods and tools		
	[K6_W09] knows the principles of determining of loads acting on basic constructions (e.g. general, industrial, bridge, water, marine, transport objects) and rules of its constructing		The student knows			[SW1] Assessment of factual knowledge		
	[K6_U05] is able to use selected software supporting design decisions in civil engineering; can critically evaluate numerical calculations of constructions		The student can			[SU4] Assessment of ability to use methods and tools		
	[K6_K03] can think and act creatively and enterprisingly, obeys the etics code		The student thinks			[SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work		
Subject contents	Loads acting on silos. Calculation, dimensioning, design and construction of silos. Construction of industrial floors. Loads acting on industrial floors, Calculation of industrial floors.							
Prerequisites and co-requisites								

Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade			
and criteria	Exam	55.0%	100.0%			
Recommended reading	Basic literature	Lectures.				
	Supplementary literature	Tejchman, J., Małasiewicz, A. Industrial floors (in polish) Wydawnictwo Naukowe Politechniki Gdańskiej, 2006. Tejchman, J. Calculation and construction of silos (in polish). Wydawnictwo Naukowe Politechniki Gdańskiej, 2010.				
	eResources addresses Adresy na platformie eNauczanie:					
Example issues/ example questions/ tasks being completed	Dimensioning of chimneys.					
	Dimensioning of silos.					
	Dimensioning of industrial floors.					
Work placement	Not applicable					