

GDAŃSK UNIVERSITY

Subject card

Subject name and code	Industrial Construction , PG_00048190							
Field of study	Civil Engineering							
Date of commencement of studies	October 2020		Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies		Subject group		Optional subject group Subject group related to scientific research in the field of study			
Mode of study	Part-time studies		Mode of delivery			at the university		
Year of study	3		Language of instruction			Polish		
Semester of study	6		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						ental	
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Drąg					
	Teachers							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	t	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	15.0		0.0	30
	E-learning hours inclu	uded: 0.0						
Learning activity and number of study hours	Learning activity	Participation in classes includ plan		Participation in consultation hours		Self-study		SUM
	Number of study hours	30		5.0		65.0		100
	special structures. Th structures. The stude structures. The stude towers and other towe	nt is able to de nt is able to de er structures.	termine the loa sign selected ir	ds and analyze ndustrial specia	e the sta	tic work	k of selected ch as chimne	industrial eys, wind
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[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					[SW1] Assessment of factual knowledge		
	[K6_U04] can correctly choose tools (analytical or numerical) to solve engineering problems in design of structures or construction process					[SU2] Assessment of ability to analyse information		
	design of structures	oblems in or				• . •		
	design of structures	applies rules an estimate vorks and curity ules of				analys	e information Assessment owledge gair	of ability to
	design of structures of construction process [K6_U11] knows and of construction law; of risk of construction w implement proper se routines; obeys the r	bblems in or applies rules can estimate vorks and curity ules of and health use selected design ineering; can merical				[SU3] / use kn subject [SU4] / use me [SU3] / use kn subject	Assessment of a sessment of a	of ability to ned from the of ability to sols of ability to ned from the
	design of structures of construction process [K6_U11] knows and of construction law; of risk of construction w implement proper se routines; obeys the r occupational safety at [K6_U05] is able to u software supporting decisions in civil eng critically evaluate num	applies rules can estimate vorks and curity ules of and health ise selected design ineering; can merical ructions				[SU3] / use kn subject [SU3] / use m [SU3] / use kn subject [SU1] / fulfilme [SK5] /	Assessment of owledge gain t Assessment of Assessment of Assessment of owledge gain t Assessment of ant	of ability to bed from the of ability to bols of ability to bed from the of task

Prerequisites and co-requisites		owledge of building statics. Knowledge of the basics of general construction. Knowledge of the principles designing concrete, steel and masonry structures.					
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. Lipiński J.: Fundamenty pod maszyny. Arkady 1996					
		2. Czarnecki W., Łączkowski A: Budownictwo przemysłowe, ATR Bydgoszcz 1982					
		3. Falkowski J.: Konstrukcje wsporcze pod maszyny, WSI Koszalin 1995					
		4. Kral L.: Elementy budownictwa przemysłowego. PWN 1984					
	Supplementary literature	1. PN 80/B-03040 Fundamenty i konstrukcje wsporcze pod maszyny					
	2. EN 13084-1 Free-standing chimneys - Part 1: General re						
		3. EN 13084-2 Free-standing chimneys - Part 2: Concrete chimneys					
	eResources addresses	Adresy na platformie eNauczar	nie:				
		Budownictwo Przemysłowe I stropień I studia niestacjonarne - Moodle ID: 30348 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30348					
Example issues/ example questions/ tasks being completed	Students design an industrial tower structure subject to dynamic wind pressure and thermal loads.						
Work placement	Not applicable	Not applicable					