



## Subject card

Subject name and code	, PG_00070538						
Field of study	Civil Engineering						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2025/2026		
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	4	Language of instruction			Polish		
Semester of study	8	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Engineering Structures -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Tomasz Heizig				
	Teachers		dr inż. Tomasz Heizig				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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		0.0		0.0	30
Subject objectives	The aims of the Thesis seminar:  - public presentation and progress assesment of the thesis,  - discussion of the problems included in the thesis,  - developing of discussion skills,  - practice in use of the presentation tools like Power Point.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U05] Conducts research (obtaining information, simulations, experimental methods) in the field of construction in order to solve specific tasks and report research results.	The student is able to: obtain information, conduct simulations and/or experimental research necessary to solve engineering tasks.	[SU2] Assessment of ability to analyse information
	[K6_W03] Demonstrate knowledge and understanding of the processes, established standards and design methods in the civil engineering subject area and of their limitations.	The student knows the methods and standards used in the design of simple buildings and is aware of their limitations.	[SW2] Assessment of knowledge contained in presentation
	[K6_K04] Engages in independent lifelong learning and individually follows the development of science and technology in the field of civil engineering.	The student independently develops his or her skills in designing of the simple building structures.	[SK5] Assessment of ability to solve problems that arise in practice
	[K6_K03] Can effectively, clearly and unambiguously convey information, describe activities and communicate their results/ outcomes to engineers or a wider audience using appropriate communication methods and tools.	The student is able to convey knowledge and information related to the scope of work entrusted to him/her, using appropriate tools and methods of communication.	[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness
[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.	The student is aware of the responsibility associated with the design of buildings.	[SK5] Assessment of ability to solve problems that arise in practice	
Subject contents	<p>Course content – seminar Regulation of the subject "Thesis seminar". Diploma procedure. Principles of the thesis preparation. Principles of the seminar presentation preparation.</p> <p>Student seminar presentation with a discussion - Presentation no. 1: "Source of inspiration. Initial project"</p> <p>Student seminar presentation with a discussion - Presentation no. 2: "Calculation of loads"</p> <p>Student seminar presentation with a discussion - Presentation no. 3: "Static and strength analyses"</p> <p>Student seminar presentation with a discussion - Presentation no. 4: "Drawings"</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Seminar presentation no. 1	60.0%	25.0%
	Seminar presentation no. 2	60.0%	25.0%
	Seminar presentation no. 3	60.0%	25.0%
	Seminar presentation no. 4	60.0%	25.0%
Recommended reading	Basic literature	<p>1. Zarządzenie Rektora Politechniki Gdańskiej nr 45/2024 z 15 listopada 2024 r.</p> <p>2. Szczegółowe zasady dyplomowania i przeprowadzania egzaminów dyplomowych na Wydziale Inżynierii Lądowej i Środowiska Politechniki Gdańskiej</p>	
	Supplementary literature	1. Wytyczne do wykonania prac dyplomowych w KKI (profil dyplomowania KM)	
	eResources addresses		

<p>Example issues/ example questions/ tasks being completed</p>	<p>The student during the seminar presents two presentations:</p> <p><b>Presentation No. 1.</b> Presentation of the presentation topic and sources of inspiration. A literature selection, divided into articles, books, standards, catalogs, and online materials. A software selection, including an indication of its scope of application (if intended). Presentation of similar structures or their parts, with a discussion of the design solutions used (own sources, such as photographs prepared by the Author, are welcome). Presentation of the main assumptions, dimensions, projections, and cross-sections of the designed structure.</p> <p><b>Presentation No. 2.</b> Presentation of information on the materials and loads assumed in the engineering work. Information on loads should include, among other things, diagrams and values of individual load cases.</p> <p><b>Presentation No. 3.</b> Presentation of information on the performed static and strength calculations. Presentation of static diagrams, internal forces, displacements, and design results.</p> <p><b>Presentation No. 4.</b> Presentation of the drawings (assembly drawings, construction details).</p>
<p>Practical activities within the subject</p>	<p>Not applicable</p>

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