GDAŃSK UNIVERSITY OF TECHNOLOGY

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 Transportation Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marcin Stienss					
	Teachers	dr inż. Marcin Stienss					
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						
	eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=5235						
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 student develops a solution concept for a defined engineering thesis topic, based on knowledge acquired during their studies. They present individual chapters of the thesis in a presentation to the entire group. During this presentation, they discuss individual elements and answer questions from other students and the seminar instructor. The final element of the thesis will be the consideration of any comments from the instructor or students.						

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[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.</td><td>After completing the course, the student is aware of the professional, ethical and social responsibilities associated with civil engineering.</td><td>[SK4] Assessment of communication skills, including language correctness</td></tr>
<tr><td>[K6_K04] Engages in independent lifelong learning and individually follows the development of science and technology in the field of civil engineering.</td><td>After completing the course, the student is aware of the need for continuous professional development.</td><td>[SK4] Assessment of communication skills, including language correctness
[SK3] Assessment of ability to organize work</td></tr>
<tr><td>[K6_W03] Demonstrate knowledge and understanding of the processes, established standards and design methods in the civil engineering subject area and of their limitations.</td><td>After completing the course, the student has the ability to navigate within the sphere of processes and established standards and design methods when solving specific engineering problems.</td><td>[SW2] Assessment of knowledge contained in presentation</td></tr>
<tr><td>[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.</td><td>After completing the course, the student is able to present his/her solutions, literature reviews, calculations and conclusions in a clear and understandable way.</td><td>[SK4] Assessment of communication skills, including language correctness</td></tr>
<tr><td>[K6_U05] Conducts research (obtaining information, simulations, experimental methods) in the field of construction in order to solve specific tasks and report research results.</td><td>After completing the course, the student has the ability to prepare an engineering thesis, using appropriate tools and, if necessary (if the nature of the engineering thesis requires it), conducting literature studies and research related to the subject of his/her thesis.</td><td>[SU1] Assessment of task fulfilment
[SU2] Assessment of ability to analyse information
[SU4] Assessment of ability to use methods and tools
[SU5] Assessment of ability to present the results of task</td></tr>
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<tr><td>Subject contents</td><td>Course content – seminar
Prepared presentations on the progress of the thesis including, but not limited to: literature studies, thesis and objectives, research field, analysis of the existing state, solution of the accepted research question, and evaluation and conclusions of the thesis.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
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<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Presentations, discussions</td><td>80.0%</td><td>100.0%</td></tr>
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<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Research reports, conference materials, technical and scientific journals, books, and the Internet related to the thesis topic.</td></tr>
<tr><td>Supplementary literature</td><td>Relative to the issue, the need to use English-language literature.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Not applicable.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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