



Subject card

Subject name and code	Apprenticeship 4 week, PG_00059176						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Optional subject group		
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		6.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Environmental Engineering Technology -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Eliza Kulbat				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		0.0		160.0	160
Subject objectives	Familiarisation with management, operation, design and construction methods in environmental engineering.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W10] has elementary knowledge in the field of running a business in the sanitary industry; knows the general principles of creating and developing forms of individual entrepreneurship; knows the basic principles of health and safety at work in the laboratory and at the construction site		Student has an elementary knowledge of running a business in the sanitary industry and is familiar with the health and safety rules applicable in the laboratory and on site.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_K01] can think and act in a creative and enterprising way; can set priorities for the implementation of an individual or group task; understands the need for continuous training and professional responsibility for their activities and team		Students are able to think and act in a creative, entrepreneurial way; they are able to determine priorities for the realization of an individual or group task; they understand the need to improve their professional qualifications.		[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work [SK3] Assessment of ability to organize work		
	[K6_U02] can work individually and in a team; knows how to estimate the time needed to complete the task ordered; is able to develop and implement a work schedule that ensures deadlines		The student is able to plan an individual or group task.		[SU2] Assessment of ability to analyse information		
	[K6_U14] can organize, estimate executive construction works (installation) in accordance with the principles of construction technology and organization, apply the principles of safety and health at work during the implementation of engineering tasks		Students will know how to organise, cost executive installation work and apply health and safety principles.		[SU1] Assessment of task fulfilment		
Subject contents							
Prerequisites and co-requisites	Knowledge of the subjects studied in semesters I - VI, with particular emphasis on vocational subjects.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	internship report and certificate of completion	60.0%	100.0%
Recommended reading	Basic literature	Book publications, journals and online sources related to the scope of practice being carried out.	
	Supplementary literature	Book publications, journals and online sources related to the scope of practice being carried out.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Design and execution of sanitary installation, internal installation networks, gas installation networks, water supply networks, sewerage networks, district heating networks; Preparatory work for construction of networks such as: profiling, routing, surveying, Operation of facilities such as: wastewater treatment plants, municipal waste landfills, water treatment plants, Practical familiarisation with the activities of regional water management authorities and environmental protection institutions, city or municipal councils, Work in companies related to the operation and maintenance of water, sewage and heating networks.		
Practical activities within the subject	Not applicable		

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