

关。GDAŃSK UNIVERSITY 多 OF TECHNOLOGY

Subject card

Subject name and code	Landfills, PG_00041421									
Field of study	Civil Engineering									
Date of commencement of studies	February 2023		Academic year of realisation of subject			2023/2024				
Education level	second-cycle studies		Subject group			Optional subject group				
Mode of study	Full-time studies		Mode of delivery			at the university				
Year of study	2		Language of instruction			Polish				
Semester of study	3		ECTS credits			3.0				
Learning profile	general academic profile		Assessment form			assessment				
Conducting unit	Faculty of Civil and Environmental Engineering									
Name and surname	Subject supervisor dr inż. Marzena Wójcik									
of lecturer (lecturers)	Teachers									
Lesson types and methods	Lesson type	Lecture	Tutorial	Tutorial Laboratory Project		t	Seminar	SUM		
of instruction	Number of study hours	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 i classes incluc plan		Participation in consultation hours		Self-study		SUM		
	Number of study hours	30		5.0		40.0		75		
Subject objectives	The course broadens students understanding of basic regulations concerning on the landfills, its locations, leaking protection, closing, recultivation and protecting environment from its threats.									
Learning outcomes	Course outcome		Subject outcome			Method of verification				
	theoreticaly firm knowledge about geotechnical investigation, the rules of geotechnical design and engineering geology; knows the complcated processes in soil, techniques of foundations, draining systems, soil strengthening, geosynthetics applications, underground constructions and earthworks		geology, subsoil processes, geosynthetics usage			contained in presentation				
	[K7_K02] Rocognizes the significance of knowledge in solving cognitive and practical problems; reliably evaluates results of his own and team research		Student has knowledge of influence on practical problems			[SK5] Assessment of ability to solve problems that arise in practice				
	[K7_W14] knows and applies building codes and obeys the Construction Law; has knowledge on environmetal impact of investment realisation		The course broadens students understanding of environmental impacts of landfillds			[SW2] Assessment of knowledge contained in presentation				
	[K7_U15] has advanced skills in civil engineering within offered specialization/profile		Students have knowledge on geotechnics			[SU5] Assessment of ability to present the results of task				
Subject contents	The course broadens students understanding of basic regulations concerning on the landfills, its locations,. closing procedures, recultivating technics. Student become acquainted with geosynthetics used on landfills, sealing of the construction, leaking protection, systems for landfill degassing and monitoring.									
Prerequisites and co-requisites										
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade				
	presentation		60.0%			100.0%				
Recommended reading	Basic literature Council Directive 1999/31/EC of 26 April 1999 on the landfill of wastes. Official Journal L182, 16/07/1999					dfill of wastes.				

	Supplementary literature	1. Sharma H.D., Reddy K.R. Geoenvironmental Engineering, John Wiley and Son		
		(2004),EC7 GEOTECHNICAL DESIGN		
	eResources addresses	Adresy na platformie eNauczanie:		
Example issues/ example questions/ tasks being completed	basic regulations concerning on the landfills, its locations, geosynthetics used on landfills, sealing of the construction, leaking protection, system for leachate drainage, systems for landfill degassing and monitoring, recultivation processes.			
Work placement	Not applicable			