



Subject card

Subject name and code	Seminar on geotechnics, PG_00042255						
Field of study	Civil Engineering						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2025/2026		
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	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Lech Bałachowski				
	Teachers						
Lesson types and methods of instruction	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		2.0		43.0	75
Subject objectives	Preparing students for public presentation. Introduction to the profession of geotechnician						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U15] has advanced skills in civil engineering within offered specialization/profile		Student analyses the subsoil conditions of engineering structures.		[SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_K02] Rocognizes the significance of knowledge in solving cognitive and practical problems; reliably evaluates results of his own and team research		Student knows advanced methods of foundation engineering and subsoil improvement.		[SK5] Assessment of ability to solve problems that arise in practice		
	[K7_K04] understands the necessity of dissemination civil engineering knowlege in the society and to suport the proffesional ethos of a civil engineer		Student is able to prepare public presentation.		[SK4] Assessment of communication skills, including language correctness		
	[K7_W15] has deep and adequate knowledge of civil engineering, within offered specialization and profile		Student presents the subject of master thesis.		[SW2] Assessment of knowledge contained in presentation		
Subject contents	Lectures on current geotechnical problems. Presentation of guests from industry describing the resolution of actual geotechnical problems, design works and organisation of construction process. Presentation of technical possibilities of different enterprises and on perspectives of employment for young engineers. Preparation of student presentation to be given during the seminar.						
Prerequisites and co-requisites	Knowledge of soil mechanics and foundation engineering, geoengineering and structures.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Presentation		50.0%		60.0%		
	Presence		80.0%		20.0%		
	Activity		50.0%		20.0%		

Recommended reading	Basic literature	Canadian Geotechnical Journal Journal of Geotechnical and Geoenvironmental Engineering ASCE
	Supplementary literature	Webinars Internet Sites of enterprises
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Deep foundation methods Application of soil improvement methods Application of geosynthetics in geoengineering	
Work placement	Not applicable	

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