



Subject card

Subject name and code	Seminar on geotechnics, PG_00042255						
Field of study	Civil Engineering						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
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		prof. dr hab. inż. Lech Bałachowski dr inż. Angelika Duszyńska				
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_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		
	[K7_K04] understands the necessity of dissemination civil engineering knowledge in the society and to support the professional ethos of a civil engineer	Student is able to prepare public presentation.			[SK4] Assessment of communication skills, including language correctness		
	[K7_K02] Recognizes 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_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		
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, geoenvironmental and structures.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Activity		50.0%		20.0%		
	Presence		80.0%		20.0%		
	Presentation		50.0%		60.0%		

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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