



Subject card

Subject name and code	Seminar on geotechnics, PG_00042255						
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	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	dr inż. Angelika Duszyńska prof. dr hab. inż. Lech Bałachowski					
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] 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_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_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, geoen지니어ing 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: Seminarium z geotechniki - Moodle ID: 34756 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=34756
Example issues/ example questions/ tasks being completed	<p>Deep foundation methods</p> <p>Application of soil improvement methods</p> <p>Application of geosynthetics in geoengineering</p>	
Work placement	Not applicable	