

## SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

## Subject card

Subject name and code	SPECIALIZATION PRACTICE, PG 00044844								
Field of study	Geodesy and Cartography								
Date of commencement of studies	October 2021		Academic year of realisation of subject			2023/2024			
Education level	first-cycle studies		Subject group		Optional subject group				
Mode of study	Full-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 Geodesy -> Faculty of Civil and Environmental Engineering								
Name and surname	Subject supervisor	dr inż. Jakub Szulwic							
of lecturer (lecturers)	Teachers				_				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	al Laboratory Projec		t	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 ir classes includ plan	n didactic ed in study	Participation in consultation hours		Self-study		SUM	
	Number of study hours	0		5.0		160.0		165	
Subject objectives	The objective of specialized student internships is to enable students to practically apply the knowledge they acquire by participating in geodetic surveys, cartographic compilations, or the development of geoinformatics applications. Students may also be involved in the process of approval or management of documentation, both from the perspective of the enterprise and the administrative office.								
Learning outcomes	Course outcome Subject outcome Method of verification								
	[K6_U13] is able to apply the principles of health and safety at work during the execution of geodetic works		The student familiarizes themselves with the occupational health and safety (OHS) regulations in enterprises, offices, or institutions related to the specifics of a surveyor's work.			[SU1] Assessment of task fulfilment			
	[K6_K02] is ready to solve problems related to the profession of geodesy and cartography engineer and to assess risks and effects of the performed activity		The student becomes acquainted with the specifics of operating a geodetic enterprise or a geodetic department within an office or institution, and participates in the execution of current geodetic tasks.			[SK5] Assessment of ability to solve problems that arise in practice			
Subject contents	ntents To achieve a minimum of four topics:								
	measurement situation and altitude (for investments linear and area), the assumption matrix metering, setting and measuring the warp implementation, measurement engineering structures, setting an object on the ground, the measurement of post-completion, measurement control points in detail, preparation and conduct of division of property, keeping a register of land and buildings, control measures, monitoring of construction works, construction laser scanning, photogrammetry development stereogram images, preparation and photogrammetric measurement matrix, preparation of maps, preparation of data for SIP, SIP modeling, geocoding objects, create algorithms surveying / geo, geo-building applications, analysis of source materials, the verification of the legal status of real estate / investments, development of technical documentation, the creation or analysis of tender documents for the work of surveying / mapping.								
Prerequisites and co-requisites									
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade				
	report		60.0%		30.0%				
	conversation		60.0%			70.0%			

Recommended reading	Basic literature	Current legislation from the website of the Central Office of Geodesy and Cartography: http://www.gugik.gov.pl				
	Supplementary literature	no requirements				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	Paving of the building on the ground, Preparation and execution of situational-altitude measurement. Analysis of source materials for the division of property. Implementation of the development in the field of spatial information systems. The development of photogrammetric images using non-metric. The development of digital terrain model based on LiDAR data.					
Work placement	Field exercises					