GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	THE REGISTRATION SYSTEMOF THENETWORK OF NETWORK OF UTLILTY LINES, PG_00044855		
Field of study	Geodesy and Cartography		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
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	5	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Geodesy -> Faculty of Civil and Environmental Engineering		
Name and surname of lecturer (lecturers)	Subject supervisor		
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	15.0	0.0	0.0	45

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	45	6.0	49.0	100

Subject objectives

Student knows geodetic works during preparations, bridge 9tunnel) projects.

Student knows geodetic network during constructing bridge (tunnel).

Student knows geodetic works during load tests.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U06] can solve geodetic tasks and select measurement methods for typical engineering tasks including the curvature of the Earth and the impact of gravity	can solve geodetic tasks and select measurement methods for typical engineering tasks	
[K6_W07] has a well-established knowledge and understands concepts in the field of engineering geodesy including the use of calculations and measurements methods carried out with the use of geodetic instruments and photogrammetric and remote sensing technologies related to geodetic support for investment, surveying and inventory measurements and photogrammetry with remote sensing	has well-established knowledge and understands the concepts of engineering surveying, including the use of calculation methods and measurements carried out with the use of geodetic instruments	

Subject contents	Geodetic works during preparation, bridge (tunnel) project. Geodetic network during costructing bridge (tunel). 3D geodetic network. Geodetic works during load tests.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		60.0%	100.0%
Recommended reading	Basic literature	Gacał J., Geodezja inżynieryjno-przemysłowa., AGH, 2009 r. Żurowski A., Pomiary Geodezyjne w budowie dróg, lotnisk i mostów.,Wydawnictwo Komunikacji i łączności., 1975 r. www.leica-geosystems.com	
	Supplementary literature	Janusz W., Obsługa geodezyjna budowli i konstrukcji., PWN, 1975 r.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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