



Subject card

Subject name and code	Geodesic territorial development net, PG_00044848						
Field of study	Geodesy and Cartography						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	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	8.0		47.0		100
Subject objectives	Getting to know the principles of operation of the Geodetic Record of Territorial Armaments Networks (GESUT) and the rules in force when conducting coordination meetings convened during the arrangement of the course of newly designed networks. Acquiring the ability to operate and locate the network of utilities with the help of wire detectors. Acquiring the skills to complete documentation related to the post-reconnaissance and localization inventory of SUT installations.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W10] has elementary knowledge and understands the concepts of architecture and urban planning, construction, environmental engineering and transport necessary to carry out studies related to planning and investment service	He can prepare documentation related to delimitation and inventory of network elements utilities.					
	[K6_U02] can make basic geodetic drawings and read an architectural technical drawing	Can take measurement as well prepare documentation related to delimitation and inventory of network elements utilities - including preparation technical operations.					
Subject contents	Course content – lecture GESUT and RUDP - structure and principle of operation, type and scope of information collected in GESUT databases. Knowledge of the type and scope of geodetic and cartographic studies related to GESUT and RUDP. Ability to edit technical documentation. Principles of reconciliation of the location of the designed utilities networks, delineation of the designed elements (principles and accuracy), as-built inventory of the land utilities networks (principles and accuracy).						
Prerequisites and co-requisites	Ability to use geodetic instruments, principles of conducting field measurements. Ability to prepare technical documentation of the performed measurement. Ability to work with basic geodetic software in the field of calculations and graphic editing of a basic map. Basic knowledge of law.						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
		100.0%			40.0%		
		60.0%			60.0%		

Recommended reading	Basic literature	<p>1. Rozporządzenie Ministra Administracji i Cyfryzacji z dnia 12 lutego 2013 r. w sprawie bazy danych geodezyjnej ewidencji sieci uzbrojenia terenu, bazy danych obiektów topograficznych oraz mapy zasadniczej. Dz.U. 2013 nr 0 poz. 383</p> <p>2. Geodezja Inżynieryjna, PPWK Warszawa 1994</p> <p>3. Ewidencja gruntów i budynków. Geodezyjna ewidencja sieci uzbrojenia terenu. pod red. S.Surowca Wyd. UWM Olsztyn 2003r</p>
	Supplementary literature	<p>1. USTAWA z dnia 17 maja 1989 r. Prawo geodezyjne i kartograficzne. Dz. U. Nr 193 poz. 1287</p> <p>2. Instrukcja G-4.4</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Practical activities within the subject	Not applicable	

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