GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Geodesic territorual development net, PG_00044848		
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	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	dr inż. Tadeusz Widerski	
	Teachers	dr inż. Tadeusz Widerski	

Lesson types and methods of instruction

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_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.	
[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.	

Subject contents

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
	60.0%	60.0%
	100.0%	40.0%

Recommended reading	Basic literature	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 2. Geodezja Inżynieryjna, PPWK Warszawa 1994 3. Ewidencja gruntów i budynków. Geodezyjna ewidencja sieci uzbrojenia terenu. pod red. S.Surowca Wyd. UWM Olsztyn 2003r
	Supplementary literature	1. USTAWA z dnia 17 maja 1989 r. Prawo geodezyjne i kartograficzne. Dz. U. Nr 193 poz. 1287 2. Instrukcja G-4.4
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	