



Subject card

Subject name and code	Engineering Drawing, PG_00042799						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2020/2021		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Geotechnics, Geology and Marine Civil Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marzena Wójcik					
	Teachers	dr inż. Marzena Wójcik mgr inż. Patrycja Jerzyło					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	15.0	0.0	15
	E-learning hours included: 0.0						
Adresy na platformie eNauczanie: Rysunek Techniczny - Moodle ID: 1884 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=1884							
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	15	4.0		11.0		30
Subject objectives	The objective of the study are principles of technical drawing preparing						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W16] knows the rules of descriptive geometry and technical drawing regarding the recording and reading of architectural drawings, construction and surveying drawings, as well as their preparation with the use of CAD	UWAGA!!! PROSZĘ NIE WYPEŁNIAĆ wykorzystując WCZYTYWANIE STAREJ KARTY PRZEDMIOTU ... znikną efekty kształcenia Bezpieczniej jest kopiować pojedyncze rubryki z zeszlórocznej karty.			[SU1] Assessment of task fulfilment		
	[K6_U07] can read architectural, construction and geodesy drawings, and can use the known computer programs to prepare a drawing part of technical documentation for the sanitary industry				[SU1] Assessment of task fulfilment		
Subject contents	Introduction to the course. Basic concepts and definitions of technical drawing. Drawing materials and utensils. Standardization on the subject. Types of technical drawings. Drawing Sheet Formats. Types of lines. Methods and principles of dimensioning flat objects. Symbols and signs used during the dimensioning of flat objects. Sections in technical drawing. Technical writing. Basics of the rectangular projection method for Europe. Fundamentals of axonometric projection. Dimensioning objects plotted in view.						
Prerequisites and co-requisites	No requirements						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project		60.0%		100.0%		

Recommended reading	Basic literature	1. Rysunek techniczny budowlany. Elżbieta Miśniakiewicz, Wojciech Skowroński. Wydawca: Arkady. 2. Podstawy rysunku technicznego. Jan Burcan. Wydawnictwa Naukowo Techniczne, 3. Rysunek techniczny jako zapis konstrukcji. Zadania. Igor Rydzanicz. Wydawnictwa Naukowo Techniczne.
	Supplementary literature	1. The current Polish Standards regarding Technical Drawing (www.pkn.com.pl)
	eResources addresses	Rysunek Techniczny - Moodle ID: 1884 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=1884
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	