



Subject card

Subject name and code	, PG_00062074						
Field of study	Civil Engineering						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group					
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Engineering Structures -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Arkadiusz Sitarski					
	Teachers	dr inż. Arkadiusz Sitarski dr inż. Przemysław Kalitowski mgr inż. Mikołaj Binczyk dr inż. Marek Szafrąński					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	10.0	0.0	0.0	10
	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	10		0.0		0.0	10
Subject objectives	Preparing students to produce technical drawings in the subject of General Construction						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W01] Demonstrate knowledge and understanding of mathematics as well as sciences and engineering disciplines underlying civil engineering at a level necessary to achieve the other programme outcomes.	Ability to create graphic models			[SW1] Assessment of factual knowledge		
	[K6_U04] Reads and prepares construction documentation (including drawings, graphic documentation in the CAD environment), efficiently uses maps as well as architectural, construction and geodetic drawings.	Ability to create advanced technical drawings			[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools		
	[K6_W04] Knows the rules of descriptive geometry and technical drawing for preparing and reading architectural, construction and geodetic drawings; also with the use of CAD	Creating construction technical drawings in accordance with the guidelines and standards for construction drawings.			[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
[K6_W05] Demonstrate knowledge and understanding of research methods (obtaining information, simulations, experimental methods) in the field of civil engineering.	Ability to use and knowledge of AutoCad			[SW3] Assessment of knowledge contained in written work and projects			

Subject contents	<p>Preparation of selected drawings for the subject General Construction.- composition of drawing elements.- preparing drawings for printing for the adopted scale Selected advanced elements of the AutoCad program - advanced commands. Creating drawing sheets, arrangement of views and schedules on the drawing sheet.</p>		
Prerequisites and co-requisites	<p>Knowledge of Geometry and principles of technical drawing.</p> <p>Knowledge of the basics of operating systems.</p> <p>Basic knowledge of AutoCad</p>		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Design drawings	60.0%	100.0%
Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. KŁOSOWSKI P.: <i>Ćwiczenia w kreśleniu rysunków w systemie AutoCAD 2010PL, AutoCAD 2011PL</i>, Wydawnictwo Politechniki Gdańskiej, Gdańsk 2011. 2. PIKOŃ A.: <i>AutoCAD 2014PL. Pierwsze kroki</i>, Helion, 2014. 3. JASKULSKI A.: <i>AutoCAD 2014/LT2014/360(WS+), Kurs projektowania parametrycznego i nieparametrycznego 2D i 3D</i>. PWN, 2014. 	
	Supplementary literature	<ol style="list-style-type: none"> 1. PN-EN ISO 13567-1:2002 <i>Dokumentacja techniczna wyrobu. Organizacja i nadawanie nazw warstwom w systemie CAD. Część 1: Zasady ogólne</i>. 2. PN-EN ISO 128-21: <i>Rysunek techniczny. Zasady ogólne przedstawiania. Część 21: Linie w systemie CAD</i>. 	
	eResources addresses	<p>Adresy na platformie eNauczenie:</p> <p>AutoCAD II 2024 2025 - Moodle ID: 41548 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=41548</p>	
Example issues/ example questions/ tasks being completed	<p>Preparation of a floor plan of the building and details of the building - AutoCad</p>		
Work placement	<p>Not applicable</p>		

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