



Subject card

Subject name and code	Engineering project, PG_00050197						
Field of study	Geodesy and Cartography						
Date of commencement of studies	October 2020		Academic year of realisation of subject		2023/2024		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		15.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Paweł Wysocki				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		7.0		368.0	375
Subject objectives	Preparation of an engineering diploma thesis / engineering project by the student.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W06] has a well-grounded knowledge and understands geodesy concepts including the main methods of obtaining data about space together with the surveying and computational methods, which from the one hand are compatible with the current legal status and from the other hand refer to measurements on the plane and cover the use of modern geodetic instruments, with taking into account the curvature of the Earth and the impact of gravity on the manner of measurements and results		The student is able to use theoretical and practical knowledge to achieve the aim put in the thesis The student is able to obtain data and process them in order to achieve the set aim.		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_K01] can think and act in a creative and enterprising way; is ready to define priorities for the implementation of an individual or group task; understands the need for continuous education and professional responsibility for his own and his team activities, and being ready to assess their own limitations, knows when to ask experts		The student is able to analyze source materials, formulate conclusions, define engineering problems, and organize own and team work.		[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work		

Subject contents	Formulation of the problem. Solution of engineering tasks utilizing the actual general and technical knowledge. Use of modern engineering tools for solving engineering problems. Formulation of conclusions. Presentation of the results.		
Prerequisites and co-requisites	Knowledge and abilities achieved during the studies.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Thesis	60.0%	100.0%
Recommended reading	Basic literature	Established individually for each student, which depends on the thesis.	
	Supplementary literature	Established individually for each student, which depends on the thesis.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none">1. Defining the engineering problem.2. Literature search and analysis.3. Selection of the method of solving the problem.4. Data acquisition.5. Elaboration of the results.6. Solving the problem and interpreting the results.7. Formulating conclusions.		
Work placement	Not applicable		