



Subject card

Subject name and code	Geoinformatics project management, PG_00062031						
Field of study	Geodesy and Cartography						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	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. Katarzyna Bobkowska					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	10.0	0.0	15.0	0.0	55
	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	55	10.0		35.0		100
Subject objectives	Introducing students to the basics of project management. Introducing students to the PRINCE2 project management methodology. Introducing students to the scope of the GIS project. Introducing students to the stages of the GIS planning methodology.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_W07] knows the structure of the geoinformatic system, the stages of the geoinformatic project development and operation, the legal, economic and ethical aspects of the geoinformatic projects, national and European conditions in the field of geoinformation	Has knowledge of the structure of the geoinformatic system.			[SW1] Assessment of factual knowledge		
	[K7_W08] knows spatial data models in the context of relational and object-oriented databases, principles of designing and building spatial databases, basics of databases in XML, development trends in spatial databases	Has knowledge of spatial data models.			[SW1] Assessment of factual knowledge		
	[K7_W12] knows methods of spatial analysis, geometric concepts, spatial statistics, knowledge extraction methods, network analysis, optimization methods, application of artificial intelligence methods in spatial analysis	Has knowledge of performing spatial data analyzes on vector and raster data.			[SW1] Assessment of factual knowledge		
	[K7_U15] can implement geoinformatic projects and perform a feasibility study of the project	Is able to prepare a project feasibility study.			[SU1] Assessment of task fulfilment		
[K7_U06] can perform basic and complex spatial analysis, can create spatial metadata, and use these metadata	Is able to create spatial metadata.			[SU4] Assessment of ability to use methods and tools			

Subject contents	<p>Introduction to project management.</p> <p>Risk management.</p> <p>Scope of GIS projects.</p> <p>Stages of GIS planning methodology.</p>														
Prerequisites and co-requisites															
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 622 794 651">Subject passing criteria</th> <th data-bbox="799 622 1137 651">Passing threshold</th> <th data-bbox="1142 622 1481 651">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 658 794 687">Test</td> <td data-bbox="799 658 1137 687">60.0%</td> <td data-bbox="1142 658 1481 687">70.0%</td> </tr> <tr> <td data-bbox="456 694 794 741">Exercise reports/Exercise evaluation</td> <td data-bbox="799 694 1137 741">80.0%</td> <td data-bbox="1142 694 1481 741">15.0%</td> </tr> <tr> <td data-bbox="456 748 794 795">Project report(s) / Assessment of project tasks</td> <td data-bbox="799 748 1137 795">80.0%</td> <td data-bbox="1142 748 1481 795">15.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Test	60.0%	70.0%	Exercise reports/Exercise evaluation	80.0%	15.0%	Project report(s) / Assessment of project tasks	80.0%	15.0%
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Recommended reading	Basic literature	<p>Rozważania o GIS, Planowanie Systemów Informacji Geograficznej dla menadżerów, Roger Tomlinson, ESRI Polska, 2008</p> <p>Management of Risk: Guidance for Practitioners (M_o_R), TSO, 2020</p> <p>Managing Successful Projects with PRINCE2®, 2017</p> <p>Zarządzenie Rektora Politechniki Gdańskiej nr 7/2023 z 15 lutego 2023 r.</p>													
	Supplementary literature	<p>Geoinformation standardsArticles in scientific journals</p>													
	eResources addresses	<p>Adresy na platformie eNauczenie:</p> <p>Zarządzanie projektami geoinformatycznymi - Moodle ID: 42425 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=42425</p>													

<p>Example issues/ example questions/ tasks being completed</p>	<ol style="list-style-type: none"> 1. Briefly discuss the scope of a GIS project. 2. Briefly discuss the stages of GIS planning. 3. What is a feasibility study for a geoinformatics project? 4. List features of GIS software. 5. What is risk management in geoinformatics projects? 6. How do traditional project management methods differ from modern ones? 7. Briefly characterize the project preparation process. 8. List aspects of project effectiveness. 9. List the responsibilities of a project manager. 10. List 5 roles in a geoinformatics project and characterize their assigned duties. 11. Describe the organization in a geoinformatics project. 12. Describe issues related to quality in geoinformatics projects. 13. What is the difference between risk appetite and risk tolerance?
<p>Work placement</p>	<p>Not applicable</p>

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