

Subject card

Subject name and code	Basis of GIS - exercises, PG_00196145						
Field of study	Spatial Management						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research 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 polish		
Semester of study	2		ECTS credits		3.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Marta Popaszkiewicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	40.0	0.0	0.0	40
	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	40		5.0		30.0	75
Subject objectives							
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GPL3_W08] knows and understands the principles of operating basic equipment, devices and software used to obtain and process geographical information and spatial planning		knows and applies the rules of operating basic computer equipment; at a basic level, describes the functions and use of selected CAD software		[SW2] presentation/project/paper/report		
	[GPL3_W07] knows and understands the methods and tools for shaping spatial development		is familiar with digital tools and spatial analysis methods based on GIS software		[SW4] test/exam - oral or written [SW2] presentation/project/paper/report		
	[GPL3_U03] selects appropriate sources of information and, on this basis, gives opinions on the development of space for a specific area with particular regard to the principles of sustainable development and spatial order		selects appropriate sources of spatial information and applies them in analyses using GIS software		[SU5] implementation of a problem task		
Subject contents							
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
			51.0%		0.0%		
Recommended reading	Basic literature		Pikoń, A., & Helion Wydawca. (2020). AutoCAD 2021 PL / Andrzej Pikoń. Helion.				
	Supplementary literature						

	eResources addresses	
Example issues/ example questions/ tasks being completed	• Two-dimensional and three-dimensional representation of the existing built environment within a fragment of the urban or rural fabric. • Exemplary topics: raster calibration, hypsometric mapping, spatio-temporal accessibility analysis, choropleth maps and diagrammatic maps, land cover and land use analyses, geoportal, Local Data Bank (BDL), Database of Topographic Objects (BDOT10k), Web Map Service (WMS).	
Work placement	Not applicable	

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