University of Gdańsk

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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