

Subject card

Subject name and code	Introduction to cartography and GIS – exercises, PG_00196141						
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		
Semester of study	1	ECTS credits			6.0		
Learning profile	academic	Assessment form			credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Ada Wolny-Kucińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	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	60		5.0		85.0	150
Subject objectives	Acquiring the ability to select appropriate sources of information and, based on them, to evaluate proposals for shaping the space of a specific area. Acquiring the ability to operate basic equipment, devices and software used to obtain and process geographic information and spatial data.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GPL3_U07] uses a foreign language practically in the field of spatial management in accordance with the requirements specified for level B2 of the Common European Framework of Reference for Languages	has a vocabulary of spatial planning terminology in English at a level sufficient to analyse foreign source materials	[SU5] implementation of a problem task
	[GPL3_W08] knows and understands the principles of operating basic equipment, devices and software used to obtain and process geographical information and spatial planning	is familiar with principles of operating basic software used to obtain and process geographical information and spatial planning	[SW2] presentation/project/paper/report
	[GPL3_W07] knows and understands the methods and tools for shaping spatial development	is familiar with IT tools used in planning and spatial development	[SW4] test/exam - oral or written
	[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 sources of spatial information and uses them in spatial analyses and presentations of spatial phenomena	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written
[GPL3_K06] is ready to care for the achievements and traditions of the profession, and comply with the principles of professional ethics by themselves and to demand that from others	is familiar with the rules of professional ethics	[SK8] observation of student's independent or team work	
Subject contents	Topics: Introduction to IT usage rules network security; Data archiving; Tools supporting teamwork resource sharing, use of cloud services; Google Drive; Dropbox, OneDrive Basic office software (MS Office); Basics of using GIS and CAD programmes; Basic operations on maps; Application of quantitative methods in cartographic data presentation; Use of spatial information systems (from SDI) for analyses of selected areas.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Practical test	51.0%	40.0%
	Task using software	51.0%	60.0%
Recommended reading	Basic literature	listed above	
	Supplementary literature	listed above	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The final mark is calculated as the average of the practical tests and the tasks completed using the software a pass mark must be achieved in each part.		
Work placement	Not applicable		

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