

Subject card

Subject name and code	, PG_00149744						
Field of study	Spatial Management						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Humanistic-social subject group		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			3.0		
Learning profile	academic	Assessment form			credit		
Conducting unit	Faculty of Social Sciences -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Tomasz Michalski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	45.0	0.0	0.0	45
	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	45		30.0		25.0	100
Subject objectives	<p>To learn the interface and basic functions of SketchUp, to acquire the ability to use it and to perform simple tasks with the using this program.</p> <p>To gain knowledge of the tools, principles and conditions of real estate management, including the acquisition of the ability to value real estate.</p> <p>To gain knowledge about the conditions of technical infrastructure planning, to acquire knowledge of the possibility of using GIS tools in planning technical infrastructure, and to practice such applications.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GPL3_U09] plan and implement lifelong learning independently	analyses his/her skills and possibilities for further development after graduation	[SU1] oral statement/conversation/discussion
	[GPL3_W08] principles of operating basic equipment, devices and software used to obtain and process geographical information and spatial planning	presents the principles of operating specialized software used in tasks related to planning and spatial development spatial development	[SW3] text preparation/written work
	[GPL3_U03] select appropriate sources of information and on this basis give opinions on the development of space for a specific area with particular regard to the principles of sustainable development and spatial order	analyzes proposed solutions to problems in the field of spatial real estate management and infrastructure planning technical	[SU3] text preparation/written work
	[GPL3_K03] identify and resolve cognitive problems related to the profession in accordance with the latest knowledge in the field of spatial management, including expert opinions	performs, with the use of expert knowledge, the current tasks of the of authorities at various levels in the field of real estate management	[SK8] observation of student's independent or team work
	[GPL3_K06] 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	identifies and resolves ethical dilemmas related to the performing work in the field of real estate management and planning of technical infrastructure	[SK8] observation of student's independent or team work
	[GPL3_W09] at an advanced level, subsystems of the natural environment and the human life environment, interactions and contemporary trends of changes between these subsystems	characterizes the basic processes of the life cycle of elements of the technical infrastructure	[SW3] text preparation/written work
	[GPL3_U06] use specialist language in a debate with specialists in the field of spatial planning and management	solves engineering tasks in the planning of technical infrastructure with the use of computer analysis and simulation using using GIS software	[SU3] text preparation/written work
[GPL3_W07] forms, methods and tools for shaping spatial development	lists the forms, methods and tools of real estate management and technical infrastructure planning	[SW3] text preparation/written work	
Subject contents	<p>SketchUp interface, basic functions, applications. Basic systems of technical infrastructure and their functioning. Labeling, symbolization, description of technical infrastructure networks and equipment. Planning development of technical infrastructure networks - estimation of demand, basic calculations using GIS tools. Planning the distribution of technical infrastructure facilities - decision support through GIS tools, analysis of the suitability of land for specific functions. Infrastructure and climate change. Gray, blue and green infrastructure. Introduction to real estate management. Professional activities in real estate management. Stages of real estate valuation. Sources of information about real estate. Characteristics of real estate. Research and analysis of the real estate market. Valuation of real estate values.</p>		
Prerequisites and co-requisites	knowledge and skills provided by the syllabuses for the subjects Methods of Spatial Analysis I and Methods of Spatial Analysis II		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exercises (tasks)	51.0%	100.0%
Recommended reading	<p>Basic literature</p> <p>Bończak-Kucharczak E., 2020. Ustawa o gospodarce nieruchomościami. Wolters Kluwer, Warszawa. Kucharska-Stasiak E., 2007. Nieruchomość a rynek. Wydawnictwo Naukowe PWN, Warszawa. Żróbek S., Żróbek R., Kuryj J., 2012. Gospodarka nieruchomościami z komentarzem do wybranych procedur. Wyd. Gall, Warszawa. Kicman A., Klepacka B., 1991, Infrastruktura techniczna w planowaniu przestrzennym, Politechnika Białostocka, Białystok;</p>		

	Supplementary literature	<p>Bieniek G., Rudnicki S., 2005. Nieruchomości. Problematyka prawna, Wyd. LexisNexis, Warszawa.</p> <p>Bryx M., 2009. Rynek nieruchomości. System i funkcjonowanie, Poltext, Warszawa.</p> <p>Cymerman R., Cymerman J., 2016. Gospodarka nieruchomościami w zadaniach. Wydawnictwo PK, Koszalin.</p> <p>Cymerman R., Hopfer A., 2012. System, zasady, procedury wyceny nieruchomości. PFSRM, Warszawa.</p> <p>Nowak M., 2017, Gospodarka nieruchomościami w gminie. Kluczowe problemy prawne. CH Beck, Warszawa.</p> <p>Ostrowska D., Staniszewska A., Spigarska E., Staśkiel M. i inni, 2020. Rynek nieruchomości w Polsce. Teoria i praktyka. Wolters Kluwer, Warszawa.</p> <p>Sobolewska-Mikulska K., 2021. Gospodarka nieruchomościami i kataster. Wybrane problemy. Wyd. PW, Warszawa.</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed	<p>Completion of a minimum of 70% of the assignments during class hours +achieving a minimum score of 51% for the final assessment task. The following will be assessed: ability to use the software, knowledge of real estate market analysis tools and ability to apply them, + ability to use GIS tools in technical infrastructure planning. GIS tools in the planning of technical infrastructure.</p>	
Work placement	Not applicable	

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