

Subject card

Subject name and code	System analysis in spatial management, PG_00150404						
Field of study	Land Management						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	postgraduate 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	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			3.0		
Learning profile	academic	Assessment form					
Conducting unit	Zakład Studiów Przestrzennych -> Instytut Geografii Społ-Ekon i Gospodarki Przestrzennej -> Faculty of Social Sciences -> Rektor						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Grażyna Chaberek				
	Teachers		dr Grażyna Chaberek dr Julia Ziółkowska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	E-learning hours included: 0.0						
Additional information:							
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		15.0		30.0	90
Subject objectives	To acquire the ability to perceive the surrounding world as a set of complex and dynamic human systems and human organisations that are interrelated and conditioned by each other, as well as the ability to interpret spatial phenomena in accordance with the methodology of systems thinking, including organisation and management. The practical aim of the course is the ability to conduct a system analysis and synthesis on the example of a selected spatial system and analysis of managerial functions in spatial systems.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GPMU2_U05] formulate and test hypotheses regarding determinants (natural, social, economic, cultural, legal) of spatial management	Identifies the determinants of economic activity development in a given area and its impact on the level of land use	[SU4] test/exam - oral or written [SU5] implementation of a problem task
	[GPMU2_K03] initiate and organise activities for the benefit of society and environmental protection of the region, country and Europe in cooperation with various entities and authorities at various levels	proposes model linkages of spatial problems with particular attention to economic, social and environmental conflicts in accordance with the latest knowledge of spatial management	[SK1] oral statement/conversation/discussion [SK5] implementation of a problem task
	[GPMU2_W07] basic principles for creating and developing forms of individual entrepreneurship that make use of knowledge in the field of spatial management and corporate social responsibility, with particular emphasis on responsibility for environmental impact	Understands the procedure for the formation of individual forms of entrepreneurship, the business objectives of the organisation and identifies the conditions for their realisation	[SW4] test/exam - oral or written [SW5] implementation of a problem task
	[GPMU2_U09] independently plan own professional or scientific career and guide others in this respect	builds examples of strategic business and individual goals according to the SMART technique	[SU4] test/exam - oral or written [SU5] implementation of a problem task
	[GPMU2_U02] properly select sources and information derived from them, with particular regard to sources of spatial information, evaluate them critically and interpret them creatively	build spatial interaction models and, on their basis, analyse the causes and effects of the interaction of different factors on spatial systems	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[GPMU2_W01] to an in-depth degree the interdisciplinary nature of spatial management and ordered and theoretically founded knowledge of multidimensional approaches in spatial policy	defines elements of space as components of a system, the study of which requires a complex interdisciplinary approach	[SW1] oral statement/conversation/discussion [SW5] implementation of a problem task
	[GPMU2_W03] to a deeper extent the conditions (natural, social, economic, cultural, legal) of processes taking place in spatial management, with particular emphasis on the specifics of Polish maritime areas and voivodships of northern Poland	Recognises types of social organisations, defines their function in the process of shaping space	[SW4] test/exam - oral or written [SW5] implementation of a problem task
Subject contents	Lecture topics:A 1: Seeing the world anew - systems thinkingA 2: Systems and systems - fundamentals of systems theoryA3: Systems analysis and synthesisA 4: Systems modellingA 5: Process modellingA 6: Systems life-cycle and assessmentA 7: Systems behaviourA 8: Organisations as systemsA: Control and regulation Management as a type of controlA 10: Managerial functions, part 1A 11: Managerial functions, part 2A 12: Managerial functions, part 2A 13: Spatial territorial units as systemsA 14: Management in local government unitsA 15: Engineering contemporary systems - case studyB. Problematics of exercisesB 1: Agility and responsibility (proactivity)B 2: Organised action cycle (objectives and planning tools)B 3: Thinking mapsB 4: Project (process) model - Gantt chartB 5: Organisational structure modelsB6: ARIS process model		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	project	51.0%	50.0%
	open and closed questions test	51.0%	50.0%

Recommended reading	Basic literature	Bertalanffy L. von, 1984, Ogólna teoria systemów: podstawy, rozwój, zastosowania, Państwowe Wydawnictwo Naukowe, Warszawa.Klaassen J. H., Paelinck J. H. P., Wagenaar S., 1982, Systemy przestrzenne, Państwowe Wydawnictwo Naukowe, Warszawa.Chaberek-Karwacka G., 2012, Logistyka w regionalnej polityce lokalizacyjnej, Wyd. Uniwersytetu Gdańskiego, Gdańsk.Karwacka G., 2009, The Influence of Logistics System Life Cycle on the Sustainable Development, w. Book of Proceeding from the 5th International Conference: Environmental Accounting Sustainable Development Indicators 2009. Usti and Labem: J. E. Purkyne University in Usti and Labem, s.93.Chaberek-Karwacka, G., 2019, Streets as Factors for and Barriers to Cities in Sustaining Development: A Comparison of Gothenburg and Gdansk, in. Sharma, Vishwa Raj, Chandrakanta (Eds.), Making Cities Resilient, Springer, ISBN 978-3-319-94932-1.Chaberek-Karwacka G., 2018, Organizational and infrastructural solutions in creating competitive advantage of sustainable urban transport Gdańsk case study, Miscellanea Geographica Regional Studies on Development, Vol. 22 No. 4 DOI: 10.2478/mgrsd-2018-0029.Chaberek-Karwacka G., Brdulak A. 2018, Kultura organizacyjna start-upów jako narzędzie rozwoju zrównoważonego miast, w: Bujak A., Topolska K., Kolańska-Morawska, K. (red.) Logistyka w naukach o zarządzaniu, część 1. Przedsiębiorczość i zarządzanie, XIX (11) cz. 3, Warszawa-Łódź: Wydawnictwo SAN, 325-337.Czermiński. M. Czerska, D. Nogalski, R. Rutka, J. Apanowicz: Zarządzanie organizacjami. TNOiK, Toruń 2002M. Czerska: Organizacja przedsiębiorstw. Metodologia zmian organizacyjnych, Wyd. U.G. 1996R.W. Griffin: Podstawy organizacji i zarządzania, Wyd. Naukowe PWN, Warszawa 1996Karwacka G, Chaberek M.: Logistyka jako praktyczne urzeczywistnienie prakseologicznych zasad dobrej roboty. [w:] Ekonomia XL, Nauki Humanistyczno-społeczne, zeszyt 391, Toruń 2009, s. 7-17.
	Supplementary literature	Chojnicki Z., 1999, Problemy metodologiczne Regional Science [w:] Z. Chojnicki, Podstawy metodologiczne i teoretyczne geografii, Bogucki wydawnictwo Naukowe, Poznań, s. 104-114. Kulikowski R., 1977, Analiza systemowa i jej zastosowanie. Modelowanie środowiska, zarządzanie i planowanie rozwoju kraju, Państwowe Wydawnictwo Naukowe, Warszawa.Laszlo E., 1978, systemowy obraz świata, Seria: ±, Państwowy Instytut Wydawniczy, Warszawa.Kaczorowska A., Jaan-Henrika K., Kronenberg J., Dagmar H., 2016, Ecosystem services in urban land use planning: Integration challenges in complex urban settings Case of Stockholm, Ecosystem Services, Volume 22, Part A, 204-212 James A.F. Stoner, Edward Freeman, Daniel R. Gilbert: Kierowanie, PWE 1999 (wyd. II) AK. Koźmiński, W. Piotrowski (red.): Zarządzanie - teoria i praktyka, PWN, Warszawa 1995 Strategor: Zarządzanie formą. Strategie, struktury, decyzje, tożsamość, PWE, Warszawa 1995 R. Rutka: Organizacja przedsiębiorstw. Przedmiot projektowania, Wyd. U.G. 1996 H. Steinemann, G. Schreyogg: Zarządzanie, Wyd. Polit. Wrocławskiej 1992 lub 1998 R. A. Webber: Zasady zarządzania organizacjami, PWE 1984 Chaberek-Karwacka G., 2018, Organizational and infrastructural solutions in creating competitive advantage of sustainable urban transport Gdańsk case study, Miscellanea Geographica Regional Studies on Development, Vol. 22 No. 4 DOI: 10.2478/mgrsd-2018-0029 Chaberek-Karwacka G., Brdulak A. 2018, Kultura organizacyjna start-upów jako narzędzie rozwoju zrównoważonego miast, w: Bujak A., Topolska K., Kolańska-Morawska, K. (red.) Logistyka w naukach o zarządzaniu, część 1. Przedsiębiorczość i zarządzanie, XIX (11) cz. 3, Warszawa-Łódź: Wydawnictwo SAN, 325-337
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Pre-screening of a randomly assigned model using a specific example	
Work placement	Not applicable	

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