

Subject card

Subject name and code	Transport Planning and Management, PG_00169862						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	part-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Transport Market -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Krzysztof Grzelec				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	10.0	0.0	0.0	0.0	10
	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	10		3.0		37.0	50
Subject objectives	Presentation of the process of transport planning and management. Students' knowledge of the elements that create transport planning. Knowledge of the determinants of transport management.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_W05] has advanced knowledge of man as a subject who creates social structures and the principles of their functioning and of his action in these structures, knows well the motives of human economic decision-making	The student has advanced knowledge about man as an entity creating social structures and the principles of their functioning and about his action in these structures, he knows well the motives for making economic decisions by man	[SW1] oral statement/ conversation/discussion
	[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	The student is able to use the theoretical knowledge and obtain data for transport planning and management, and to analyze these phenomena using methods developed in economics, finance and management sciences	[SU2] presentation/project/paper/ report
	[EKONL3_K04] is willing to think and act in an entrepreneurial manner; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient in the face of failure, is able to identify risks and assess the risks of failure	The student is ready to think and act in an entrepreneurial way; adapts to new situations and conditions, is able to identify threats and assess the risk of their occurrence	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
	[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	The student is able to correctly interpret economic and social phenomena and apply knowledge in the field of transport planning and management	[SU1] oral statement/conversation/ discussion
	[EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has advanced knowledge of various types of existing economic entities and organizations as well as public institutions operating in the transport sector	[SW1] oral statement/ conversation/discussion
	[EKONL3_U06] uses the knowledge acquired in economics, finance and management to solve economic and social dilemmas arising in the professional context	The student uses his knowledge in the field of economics, finance and management to solve economic and social dilemmas that arise in planning with transport management	[SU2] presentation/project/paper/ report
	[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	The student recognizes the importance of knowledge in the field of economics in the process of identifying and solving problems in transport planning and management and seeking expert opinions in case of difficulties with solving them independently	[SK1] oral statement/conversation/ discussion
	[EKONL3_K06] is willing to be guided in his professional life by business ethics and corporate social responsibility, to respect others and to be loyal to his employer	The student is ready to be guided in their professional life by business ethics and corporate social responsibility, respect for others and be loyal to the employer	[SK1] oral statement/conversation/ discussion
	[EKONL3_K03] participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements	The student participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements	[SK2] presentation/project/paper/ report
	[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	The student correctly identifies, diagnoses and resolves dilemmas and various variants of transport planning and management	[SK3] text preparation/written work
	[EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student has advanced knowledge of the relations between economic entities and social organizations functioning in the national, international and intercultural spheres	[SW1] oral statement/ conversation/discussion
	[EKONL3_U14] is able to set priorities and plan and organise the tasks involved in their implementation as well as monitor and evaluate progress accordingly	The student is able to properly prioritize and plan and organize tasks related to their implementation, as well as monitor and evaluate progress in transport planning and management	[SU2] presentation/project/paper/ report

	Course outcome	Subject outcome	Method of verification
	[EKONL3_U07] is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to choose the methods and instruments to resolve them rationally	The student is able to take part in the analysis and evaluation of alternative solutions in transport planning and management and to select methods and instruments that allow for rational resolution of them	[SU1] oral statement/conversation/discussion
	[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student is able to predict the course of economic and social processes and phenomena and forecast these phenomena in the process of planning and managing transport	[SU2] presentation/project/paper/report
	[EKONL3_W01] has advanced knowledge of the nature of social sciences, their place in the system of sciences, knows the role of economic sciences in this system and uses universal economic terminology	The student has advanced knowledge of the nature of social sciences, their place in the system of sciences, knows the role of economic sciences in this system and uses universal economic terminology	[SW1] oral statement/conversation/discussion
	[EKONL3_K02] is aware of the level of knowledge in the field of economics and understands the need to deepen and update this knowledge throughout life	The student is aware of the level of his/her knowledge in the area of transport planning and management, understands the need to deepen and update this knowledge throughout life	[SK1] oral statement/conversation/discussion
Subject contents	1. Topic: Methodology of transport planning and management. Transport organization as a condition for planning and management. Planning and management objectives. Planning and management strategies 2. Topic: National and European transport policy as a determinant of transport planning and management. EU transport policy. Polish transport policy, regional and local transport policies 3. Topic: Transport market analysis as a basis for planning and management. Market research methods. Transport market size analysis. Market share assessment methods 4. Topic: Passengers' transport behavior as a determinant of planning and management. Concept, types and determinants of transport behavior. Methodology of transport behavior research. Transport behavior management 5. Topic: Use of marketing in transport planning and management. Marketing research in transport. Marketing activity planning. Marketing activity management 6. Topic: Financial planning and management in transport. Sources of transport financing. European funds. Public-Private Partnership 7. Topic: Specificity of rail transport planning and management. Planning the development of rail transport infrastructure. Planning and management of rail passenger transport. Planning and management of rail freight transport 8. Topic: Specificity of planning and management of air transport. Planning of the air route network. Planning of the air fleet. Management of air transport companies 9. Topic: Specificity of planning and management of urban transport. Complex nature of the offer of urban transport services. Planning of the offer of urban transport services. Management of the offer of urban transport services. Any doubts regarding the issues discussed can be clarified during the consultations.		
Prerequisites and co-requisites	Basic economic and transportation knowledge.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Activity in class discussions	51.0%	40.0%
	Design, written work	51.0%	60.0%
Recommended reading	Basic literature	Michael D. Meyer, Transportation Planning Handbook, Wiley 2016 David Banister, Transport Planning, Spon Press, 2002.	

	Supplementary literature	D. Tłoczyński, A. Hoszman. P. Zagrajek, Transport lotniczy w warunkach globalnej mobilności, Wyd. UG, Gdańsk 2021K. Grzelec, K. hebel. O. Wyszomirski, Zarządzanie zbiorowym transportem miejskim w warunkach mobilności, Wyd. UG, Gdańsk 2020Współczesna polityka transportowa, W. Rydzkowski (red), PWE, Warszawa 2017Transport. Nowe wyzwania, K. Wojewódzka-Król, E. Załoga (red), WN PWN, Warszawa 2016Richard de Neulville, Airport System (Planning, Design & Management, Mc Graw Hill, 2013Mega Transport Infrastructure Planning. Springer 2015Seller, Thorben, Operative Transportation Planning, Physica Verlag, 2012Transporation System Planning. Methods and Applications, Konstadinos G. Goulias, CRC Press, 2002Hinshaw , Airline Marketing and Management , Taylor & Francis Ltd, 2011Ashish Verma, TV Ramanatta, Public Transport Planning and Management in Developing Countries, 2015Zongzhi Li, Transportation Asset Management. Methology and ApplicationsTeodor Peric, Andrea Lorkovic, Dalibor Vucic, Management Planning in Transport, "Traffic Plannig Review" 2004, vol. 16, nr 4, p/ 217-223
	eResources addresses	
Example issues/ example questions/ tasks being completed	Planning of passenger transport service between towns X and Y. Justification (taking into account various conditions: technological, economic, ecological and social) for implementing selected innovations in transport.	
Work placement	Not applicable	

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