University of Gdańsk

Subject card

Subject name and code	Transport Planning and Management, PG_00199903						
Field of study	Economics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
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		4.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Dariusz Tłoczyński, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	10.0	10.0	0.0	6.0	0.0	26
	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	26		0.0		74.0	100
Subject objectives	Understanding the elements that influence transport planning. Understanding the determinants of transport management						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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 particular economics and transport planning and management, identifying economic problems and seeking expert opinions	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[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 the acquired economic, financial and management knowledge to make economic decisions in relation to transport planning and management	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	A student participating in the preparation of plans is able to reconcile legal, economic, ecological, political and social requirements	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[EKONL3_W05] has a 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 the social unit, its needs and motives for making transport decisions	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] 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 observe and interpret economic phenomena and processes, uses basic economic and transport terminology	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[EKONL3_U14] is ble to set priorities, plan and organize the implementation of individual and team tasks, as well as monitor and evaluate progress in achieving set goals.	The student is able to prioritize, plan and manage the learning process in the field of transport planning and management	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[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 theoretical knowledge and obtain data for transport planning and management	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[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 independently supplement and improve the acquired knowledge and skills related to transport planning and management and is open to new ideas and techniques	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[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 correctly identifies, diagnoses and resolves problems of transport planning and management and considers the introduction of various variants of problem solutions	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[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, is able to reconcile economic, legal and social requirements	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[EKONL3_W02] has an advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has advanced knowledge of different types of entities operating in the transport services market, as well as the processes and phenomena occurring in this market and its structures, elements and features	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[EKONL3_W03] knows 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 entities operating in the transport market and its environment in the national and international area	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report

Course outcome	Subject outcome	Method of verification
[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student is able to forecast economic processes and phenomena using standard methods and tools for transport planning and management	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[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 field of economics, in particular economics, planning and transport management, and understands the need to deepen it	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
[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 knows the issues of transport planning and management and is able to use the appropriate terminology	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[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 participate in analyses and evaluations of alternative solutions to problems related to transport planning and select methods and instruments that allow for effective transport management	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written

Subject contents	1. Subject: Methodology of transport planning and management a. Transport organisation as a condition for planning and management b. Planning and management objectives c. Planning and management strategies 2. Subject: National and European transport policy as a determinant of transport planning and management a. EU transport policy b. Polish transport policy c. Regional and local transport policies 3. Subject: Transport market analysis as a basis for planning and management a. Market research methods b. Transport market size analysis c. Market share assessment methods 4. Subject: Passengers transport behaviour as a determinant of planning and management a. Concept, types and determinants of transport behaviour b. Methodology of transport behaviour research c. Transport behaviour management 5. Subject: Use of marketing in transport planning and management a. Marketing research in transport b. Marketing activity planning c. Marketing activity management 6. Subject: Financial planning and management in transport a. Sources of transport financing b. European funds c. Public-Private Partnership 7. Subject: Specificity of planning and management of rail transport

	a. Planning the development of rail transport infrastructure b. Planning and management of rail passenger transport c. Planning and management of rail freight transport 8. Subject: Specificity of planning and management of air transport a. Planning the network of air connections b. Planning the aircraft fleet c. Management of air transport companies 9. Subject: Specificity of planning and management of urban transport a. Complex nature of the offer of urban transport services b. Planning the offer of urban transport services c. Management of the offer of urban transport services 10. Subject Project presentation a. Project objective and methodology b. planning the transport service offer c. Concept of Transport Service Management To further develop the concepts discussed during the lectures, students may take advantage of consultation hours.
Prerequisites and co-requisites	Possessing basic economic and transport knowledge, the ability to search for market information, having teamwork skills and the ability to present one's views

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test/ presentation	51.0%	50.0%
project	51.0%	50.0%

Recommended reading

Basic literature	Literatura obowiązkowa: M. D. Meyer, Transportation Planning Handbook, Wiley 2016 - wersja elektroniczna D. Banister, Transport Planning, Spon Press, 2002 - wersja elektroniczna

	Supplementary literature	Literatura uzupełniająca: D. Tłoczyński, A. Hoszman. P. Zagrajek, Transport lotniczy w warunkach globalnej mobilności, Wyd. UG, Gdańsk 2021 K. Grzelec, K. Hebel. O. Wyszomirski, Zarządzanie zbiorowym transportem miejskim w warunkach mobilności, Wyd. UG, Gdańsk 2020 Współczesna polityka transportowa, W. Rydzkowski (red), PWE, Warszawa 2017 Transport. Nowe wyzwania, K. Wojewódzka-Król, E. Załoga (red), WN PWN, Warszawa 2016 R. de Neulfville, Airport System (Planning, Design & Management, Mc Graw Hill, 2013 Mega Transport Infrastructure Planning. Springer 2015 Seller, Thorben, Operative Transportation Planning, Physica Verlag, 2012 Transporation System Planning. Methods and Applications, Konstadinos G. Goulias, CRC Press, 2002 Hinshaw , Airline Marketing and Management , Taylor & Francis Ltd, 2011 A. Verma, TV Ramanatta, Public Transport Planning and Management in Developing Countries, 2015 Z. Li, Transportation Asset Management. Methology and Applications T. Peric, A. Lorkovic, D. 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	Present the objectives of planning and management in a transport company Characterize the methods of assessing market share used by entities on the transport market Present the specifics of planning and managing transport of a specific entity operating on a selected segment of the transport market Develop a concept for launching a transport service in a selected market segment.	
Work placement	Not applicable	

Document generated electronically. Does not require a seal or signature.