

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00065282								
Field of study	Transport								
Date of commencement of studies	February 2024		Academic year of realisation of subject			2024/2025			
Education level	second-cycle studies		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	2		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Transportation Engineering -> Faculty of Civil and Environmental Engineering								
Name and surname	Subject supervisor		dr hab. inż. Marek Pszczoła						
of lecturer (lecturers)	Teachers		dr hab. inż. Marek Pszczoła						
			dr inż. Łukasz Mejłun						
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study	15.0	15.0	0.0	0.0		0.0	30	
	E-learning hours inclu	E-learning hours included: 0.0							
Learning activity and number of study hours	Learning activity	Participation in classes includ plan	n didactic ed in study	Participation in consultation hours		Self-study		SUM	
	Number of study hours	30		0.0		0.0		30	
Subject objectives	The aim of the subject is to provide a detailed discussion of the elements of airport infrastructure related to the functioning of both the part of the airport related to aircraft operations (runways, taxiways, aprons, hangars, de-icing pads) and the part related to passenger traffic (terminals, piers, passenger bridges, parking lots, kiss@fly zones) and others.								
Learning outcomes	Course out	come	Subject outcome			Method of verification			
	[K7_U06] develops their potential using their own initiative and experience, taking personal responsibility for striving to achieve their goals and increasing opportunities for personal development as well as those of their colleagues		The student identifies in-depth phenomena related to airport infrastructure, as an essential element related to the functioning of air transport.			[SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task			
	[K7_U05] cooperates with other people in the implementation of team work, both as a leader and a team member, effectively achieving set goals		The student cooperates with other people in the group in implementing teamwork, both as a leader and a team member, effectively achieving the established goals related to the airport infrastructure.		[SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task				
	[K7_W01] identifies in an in-depth way phenomena related to the field of study as well as theories describing them and possible methods of analyzing processes occurring in the life cycle of technical systems		The student is able to synthesize information from individual elements of the airport infrastructure. He/she presents logical and sound arguments regarding the obtained results.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge				
	[K7_K01] recognizes the importance of knowledge related to the field of study in solving cognitive and practical problems		The student recognizes the importance of knowledge related to the field of study in solving cognitive and practical problems in relation to the analysis of airport infrastructure elements.		[SK5] Assessment of ability to solve problems that arise in practice				

Subject contents	The content of the subject in the scope of the lecture includes:Introduction to the subject of Airport infrastructure, historical development of airports together withthe development of air transport means, detailed discussion of individual elements of the airportrelated to its direct functioning, division of airports depending on thepurpose they are to serve (passenger only, cargo only, passenger and cargo), analysis of design,construction and maintenance of DS, aprons, taxiways, terminals. Organization of airport work, infrastructure development,flexibility, planning.The content of the subject in the scope of exercises:Detailed analysis of the elements of the infrastructure of a selected airport.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
	Lecture	55.0%	60.0%				
	Practice	60.0%	40.0%				
Recommended reading	Basic literature	Pegamon, 2000,Annex 14 to the Convention on International CivilAviation, Aerodrome Design and Operations, ICAO, 2004,Horonjeff R.,McKelvey F.X., Sproule W.J., Young S.B., Planning andDesign ofAirports, McGraw-Hill Companies, Inc. Fifth Edition, 2010					
	Supplementary literature	Kazda A., Caves E. R., Airport Design and Operation, WydawnictwoPegamon, 2000,					
	eResources addresses	Podstawowe https://www.cpk.pl/pl/dla-mieszkancow/program-lotniskowy/ infrastruktura-lotniskowa - Infrastructure related to the construction of the Central Communication Port (CPK). Adresy na platformie eNauczanie:					
Example issues/ example questions/ tasks being completed		L					
Work placement	Not applicable						

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