

GDAŃSK UNIVERSITY

Subject card

Subject name and code	Transport systems and processes, PG_00044638								
Field of study	Transport								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2025/2026			
Education level	first-cycle studies		Subject group			Optional subject group Subject group related to scientific research in the field of study			
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			4.0			
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								
of lecturer (lecturers)	Teachers								
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	30.0	15.0	15.0	0.0		0.0	60	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation i classes includ plan				Self-study		SUM	
	Number of study hours	60		5.0		35.0		100	
Subject objectives	The aim of the course Students gain knowle	e is to provide i	ncreased know	ledge in the fie	eld of tra	insport	systems and	processes .	
	transport subsystems addition, students ga	or component	s and subsyste	ems of the orga	system , inization	and m	anagement	of transport. In	
Learning outcomes	transport subsystems	s or component in the skills to c	s and subsyste construct a tran	ems of the orga	system , inization	and m ected a	anagement	of transport. In punty).	
Learning outcomes	transport subsystems addition, students ga	s or component in the skills to c come iency in	s and subsyste construct a tran Subj The student h knowledge of of the transpo subsystems. I knowledge of	ems of the orga sport model for ject outcome has ordered the theoretical rt system and it also has a the principles systems transp	system , inization r the sel basis its of	and m ected a	anagement area (city, co	of transport. In punty).	
Learning outcomes	transport subsystems addition, students ga Course out [K6_W17] has profic transport systems as	ect tools and seesements ransport t required of	s and subsyste construct a tran Subj The student knowledge of of the transpor subsystems. I knowledge of modeling sub and transport Student is abl transport moc area (city, co most popular Student is abl transport syst develop a tran the selected a	ems of the orga sport model for ject outcome has ordered the theoretical rt system and it also has a the principles systems transp	system , nization r the sel basis its of port ted le ram. e o sing ty),	and m ected a	anagement area (city, co	of transport. In punty).	
Learning outcomes	transport subsystems addition, students ga Course out [K6_W17] has profic transport systems as for their specialty [K6_U12] able to sel methods, carry out a and simple tests of ti systems to an extent the specialty / learning the specialty of the specialty / learning the specialty / learning the specialty / learning the specialty of the specialty of the specialty / learning the specialty of the special ty of	s or component in the skills to c come iency in s appropriate ect tools and ssessments ransport t required of ng profile synthesis . Trar gram VISUM ements . Measu eling of the tras nagement of ra ansport. Syster and its environ	s and subsyste construct a tran Subj The student h knowledge of of the transpor subsystems. I knowledge of modeling sub and transport Student is abl transport model area (city, co most popular Student is abl transport syst develop a tran the selected a using the mos program. Insport models - Theoretical bas urement and even is for urban ar ment. Characte	ems of the orga sport model fo ject outcome has ordered the theoretical rt system and it also has a the principles systems transp processes. In the develop a lel of the select computer proge to assess the em designed to hsport model u area (city, coun st popular comp general chara sis of operation raluation of the Organization and d regional transpondent erization and m	system , nization r the sel basis its of bort ted he rram. e b sing ty), puter cteristic of trans function and mard d logistic. (nodeling	s . Transportationing of the	Anagement area (city, cc Method of v Method of v area (city, cc Method of v area (city, cc area (of transport. In punty) . erification s - practical Transport t systems and affic. gganization and d modeling of	
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Subject contents Prerequisites	transport subsystems addition, students ga Course out [K6_W17] has profic transport systems as for their specialty [K6_U12] able to sel methods, carry out a and simple tests of ti systems to an extend the specialty / learning Transport systems - s applications , the pro- systems modeling ele its components. Mod Organization and ma management of air tr the transport system process . Characteriz	s or component in the skills to c come iency in s appropriate ect tools and ssessments ransport t required of ng profile synthesis . Trar gram VISUM ements . Meass eling of the trar nagement of ra ansport. Syster and its environ ration and mod	s and subsyster construct a tran Subj The student h knowledge of of the transpor subsystems. I knowledge of modeling sub and transport Student is abl transport models Student is abl transport syst develop a tran the selected a using the mos program. Insport models - Theoretical bas urement and even as for urban ar ment. Characte eling of the deven	ems of the orga sport model fo ject outcome has ordered the theoretical rt system and it also has a the principles systems transp processes. le to develop a le of the selec unty), using th computer prog le to assess the magnet designed tu area (city, coun st popular comp general chara sis of operation raluation of the Organization and metelopment of tra-	system , nization r the sel basis its of port ted ram. e o sing ty), puter cteristic of trans function and mar d logistic isport . (iodeling ansport	s . Transportation s portation sportation nagement charaction of traffi system port Sy	Anagement Area (city, cc Method of v Method of v msport model on systems. the transport ent of road to agement . O terization an ic organization s. stems .	of transport. In punty) . erification s - practical Transport t systems and affic. gganization and d modeling of	
Subject contents Prerequisites and co-requisites	transport subsystems addition, students ga Course out [K6_W17] has profic transport systems as for their specialty [K6_U12] able to sel methods, carry out a and simple tests of th systems to an extent the specialty / learning Transport systems - s applications , the pro- systems modeling ele its components. Mode Organization and ma management of air fr. the transport system process . Characteriz Students should com	s or component in the skills to c come iency in s appropriate ect tools and ssessments ransport t required of ng profile synthesis . Trar gram VISUM ements . Meass eling of the trar nagement of ra ansport. Syster and its environ ration and mod	s and subsyster construct a tran Subj The student h knowledge of of the transpor subsystems. I knowledge of modeling sub and transport Student is abl transport models Student is abl transport syst develop a tran the selected a using the mos program. Insport models - Theoretical bas urement and even as for urban ar ment. Characte eling of the deven	ems of the orga sport model fo ject outcome has ordered the theoretical rt system and it also has a the principles systems transp processes. le to develop a del of the selec unty), using th computer proge to assess the em designed to assess the em des	system , inization r the sel basis its of bort ted ram. bo sing ty), puter cteristic of trans function and mar d logistic sport . (iodeling ansport of Trans	s . Transportation s portation sportation nagement charaction of traffi system port Sy	Anagement Area (city, cc Method of v Method of v msport model on systems. the transport ent of road to agement . O terization an ic organization s. stems .	of transport. In punty) . erification s - practical Transport t systems and affic. rganization and d modeling of on and transport	

Recommended reading	Basic literature	 Leszczyński J.: Modelowanie systemów i procesów transportowych. Oficyna Wydawnicza PW, Warszawa 1999 r. Rydzkowski W. Wojewódzka-Król K.: Transport, PWN, 2007 r. Jacyna M.: Modelowanie i ocena systemów transportowych. Oficyna Wydawnicza PW, Warszawa 2009 r. Dorosiewicz S.: Potoki ładunków w sieciach transportowych. ITS Warszawa 2010.
	Supplementary literature	1. Najder J.: Transport międzynarodowy PWE 2008.
		2. Grzywacz W. i inni: Polityka transportowa WUG 2000.
		3. Czasopismo: Transport Miejski i Regionalny
		4. Transport samochodowy ładunków. ITS Warszawa 2009.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	