## Recomended pass through the study plan

## Name of the pass:

Faculty/Institute/Others: Department: Pass through the study plan: Master Full-Time DS from 2024/25 Branch of study guranteed by the department: Welcome page Guarantor of the study branch: Program of study: Transportation Systems and Technology Type of study: Follow-up master full-time Note on the pass:

Coding of roles of courses and groups of courses:

P - compulsory courses of the program, PO - compulsory courses of the branch, Z - compulsory courses, S - compulsory elective courses, PV - compulsory elective courses, F - elective specialized courses, V - elective courses, T - physical training courses

Coding of ways of completion of courses (KZ/Z/ZK) and coding of semesters (Z/L):

KZ - graded assesment, Z - assesment, ZK - examination, L - summer semester, Z - winter semester

Number of semes						
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
614GISS	Geographical Information Systems Zuzana Purkrábková, František Kekula	KZ	2	0P+2C+8E	8 Z	Z
618GAZ	Geomechanics and Foundation Engineering Vít Malinovský Vít Malinovský (Gar.)	Z,ZK	3	2P+1C	Z	Z
612IKD	Rail Transport Infrastructure Tomáš Javo ik	Z,ZK	5	2P+2C	Z	Z
615J2A1	Language - English 1 Karolina Beauxisová, Jan Feit	Z	2	0P+2C+10E	3 Z	Z
622MSV	Modelling and Vehicle Movement Simulation Drahomír Schmidt, Michal Frydrýn Michal Frydrýn Drahomír Schmidt (Gar.)	KZ	2	0P+2C	Z	Z
618TIK	Theory of Engineering Structures Ján Kopa ka Josef Kocourek (Gar.)	Z,ZK	4	2P+1C	Z	ZP
612TKVP	Highway Engineering Materials Gabriela Sidorinová	Z,ZK	4	2P+2C	Z	Z
X2-NP-DS-24/25-DC	Projekty Mgr. prezen ní DS od 2024/25 622XN1,621XN1, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 13/13			ZP
1S-NP-DS-V1-24/25-DC	<b>1. sem. Mgr. prezen ní DS výb r p edm tu od 2024/25</b> 617DOPD,617TZND	Min. cours. 1 Max. cours. 1	Min/Max 4/4			Z
JZ-NP-DS-24/25-DC	Jazyky Mgr. prezen ní DS od 2024/25 615J2F1,615JBF2, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 8/8			J

Number of seme	ster: 2					
Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
622AMMD	Measuring Methods Applied to Transportation Drahomír Schmidt, Michal Frydrýn, Tomáš Mi unek, Luboš Nouzovský, Zden k Svatý Luboš Nouzovský Tomáš Mi unek (Gar.)	КZ	4	1P+3C	L	Z
615JBA2	Language - English 2 Karolina Beauxisová, Jan Feit, V ra Pastorková	Z	2	0P+2C+10B	L	Z
612NAPI	Design and Maintenance of Transportation Structures Gabriela Sidorinová Josef Kocourek (Gar.)	Z,ZK	4	2P+2C	L	Z

616PDP	Principles of Vehicle Design Jaroslav Machan, Jan Leistner Josef Kocourek (Gar.)	ZK	2	2P+0C+8B	L	Z
612UMUP	Sustainable Mobility and Land - Use Planning Dagmar Ko árková Josef Kocourek (Gar.)	Z,ZK	5	2P+2C	L	ZP
612ZSUZ	Railway Stations and Centres Tomáš Javo ík, Martin Jacura Josef Kocourek (Gar.)	Z,ZK	3	2P+1C	L	Z
X2-NP-DS-24/25-DC	Projekty Mgr. prezen ní DS od 2024/25 622XN1,621XN1, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 13/13			ZP
2S-NP-DS-V1-24/25-DC	2. sem. Mgr. prezen ní DS výb r p edm tu od 2024/25 612BED,618TEAM	Min. cours. 1 Max. cours. 1	Min/Max 4/4			z
JZ-NP-DS-24/25-DC	Jazyky Mgr. prezen ní DS od 2024/25 615J2F1,615JBF2, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 8/8			J
Y2-NP-DS-24/25-DC	PVP-B Mgr. prezen ní DS od 2024/25 612 Y2KS,612 Y2MD	Min. cours. 3 Max. cours. 3	Min/Max 6/6			PV

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
612DAZP	Transport and Environment Josef Kocourek (Gar.)	Z,ZK	4	2P+1C	Z	Z
615JBA3	Language - English 3 Jan Feit	Z	2	0P+2C+10B	Z	Z
611STS	Stochastic Systems Pavla Pecherková Evženie Uglickich (Gar.)	Z,ZK	4	2P+2C+14B	Z	ZP
612TEAP	Theory of Road Traffic Operation Josef Kocourek (Gar.)	Z,ZK	7	3P+2C	Z	Z
612VRZ	High Speed Rail Transport Josef Kocourek (Gar.)	KZ	3	2P+0C	Z	Z
X2-NP-DS-24/25-DC	<b>Projekty Mgr. prezen ní DS od 2024/25</b> 622XN1,621XN1, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 13/13			ZP
3S-NP-DS-V1-25/26-DC	3. sem. Mgr. prezen ní DS výb r p edm tu od 2025/26 612IDOS,616STK	Min. cours. 1 Max. cours. 1	Min/Max 3/3			Z
JZ-NP-DS-24/25-DC	Jazyky Mgr. prezen ní DS od 2024/25 615J2F1,615JBF2, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 8/8			J
Y2-NP-DS-24/25-DC	PVP-B Mgr. prezen ní DS od 2024/25 612 Y2KS,612 Y2MD	Min. cours. 3 Max. cours. 3	Min/Max 6/6			PV

Number of semester: 4

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
615JBA4	Language - English 4	ZK	2	0P+2C+10B	6 L	Z
XD-NP-DS-25/26-DC	<b>DP Mgr. prezen ní DS od od 2025/26</b> 611XNDD,612XNDD, (see the list of groups below)	Min. cours. 1 Max. cours. 1	Min/Max 18/18			Z
X2-NP-DS-24/25-DC	Projekty Mgr. prezen ní DS od 2024/25 622XN1,621XN1, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 13/13			ZP
JZ-NP-DS-24/25-DC	Jazyky Mgr. prezen ní DS od 2024/25 615J2F1,615JBF2, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 8/8			J

## List of groups of courses of this pass with the complete content of members of individual groups

Kód		Name of the group ogroup (for specificat	of courses and ion see here o	codes of members of this r below the list of courses	Com	pletion	Credit	s Scope	Semester	Role
1S-NP-DS-	V1-24/25-DC	1. sem. Mgr. prezo	en ní DS výb	r p edm tu od 2024/25		cours. 1 cours. 1	<b>Min/Ma</b> 4/4	IX		z
617DOPD	Transporta	tion Planning and Mode	617TZND	Technology of Railway Transport						
2S-NP-DS-	V1-24/25-DC	2. sem. Mgr. preze	en ní DS výb	r p edm tu od 2024/25		cours. 1 cours. 1	<b>Min/Ma</b> 4/4	ıx		z
612BED	Road Safe	ty Audit	618TEAM	Theoretical and Applied Mechanic	·		1		11	
3S-NP-DS-	V1-25/26-DC	3. sem. Mgr. prezo	en ní DS výb	r p edm tu od 2025/26		cours. 1 cours. 1	Min/Ma 3/3	IX		z
612IDOS	Integrated	Transport Systems	616STK	Simulation and Testing of Vehicl			1		I I	
JZ-NP-DS	6-24/25-DC	Jazyky M	lgr. prezen ní	DS od 2024/25		cours. 4 cours. 4	<b>Min/Ma</b> 8/8	ıx		IJ
615J2F1	Language	- French 1	615JBF2	Language - French 2	1	615JBF3	<b>i</b>	_anguage - Fi	rench 3	
615JBF4	Language		615J2I1	Language - Italian 1		615JBI2		_anguage - Ita	alian 2	
615JBI3	Language	- Italian 3	615JBI4	Language - Italian 4		615J2N1		_anguage - G	erman 1	
615JBN2	Language	- German 2	615JBN3	Language - German 3		615JBN4	-	_anguage - G	erman 4	
615J2R1	Language		615JBR2	Language - Russian 2		615JBR3		_anguage - R		
615JBR4		- Russian 4	615J2S1	Language - Spanish 1		615JBS2	2	_anguage - S	panish 2	
615JBS3	Language	- Spanish 3	615JBS4	Language - Spanish 4	1		1		<u>г г</u>	
X2-NP-DS	S-24/25-DC	Projekty I	/lgr. prezen ní	DS od 2024/25		cours. 4 cours. 4	<b>Min/Ma</b> 13/13			ZP
622XN1	Master Pro	ject 1	621XN1	Master Project 1	1	614XN1	·	Master Projec	t 1	
611XN1	Master Pro	ject 1	617XN1	Master Project 1		612XN1		Master Projec	t 1	
520XN1	Master Pro	ject 1	618XN1	Master Project 1		616XN1		Master Projec	t 1	
615XN1	Master Pro	,	616XN2	Master Project 2		615XN2		Master Projec		
		ia at 0	614XN2	Master Project 2		612XN2		Master Projec	+ 2	
622XN2 611XN2	Master Pro Master Pro	,	621XN2	Master Project 2		617XN2		Master Project		

620XN2	Master Pro	oject 2	618XN2	Master Project 2		618XN3		Master Project	t 3	
617XN3	Master Pro	oject 3	616XN3	Master Project 3		612XN3		Master Project	t 3	
611XN3	Master Pro	oject 3	614XN3	Master Project 3		622XN3		Master Project 3		
615XN3	Master Pro	Aaster Project 3		Master Project 3		620XN3		Master Project 3		
616XN4	Master Pro	Master Project 4		Master Project 4		621XN4		Master Project 4		
612XN4	Master Project 4		618XN4	Master Project 4		615XN4 M		Master Project 4		
620XN4	Master Pro	oject 4	611XN4	Master Project 4		617XN4		Master Project	t 4	
622XN4	Master Pro	oject 4		÷						
XD-NP-DS-	25/26-DC	DP Mgr. p	prezen ní D	S od od 2025/26		cours. 1 cours.	<b>Min/M</b> 18/18			z
						1				
611XNDD	Master The	esis for study programm	612XNDD	Master Thesis for study programm		614XND	D	Master Thesis	for study pro	gramm
615XNDD	Master The	esis for study programm	616XNDD	Master Thesis for study programm		617XND	D	Master Thesis	for study pro	gramm
618XNDD	Master The	esis for study programm	620XNDD	Master Thesis for study programm		621XND	D	Master Thesis	for study pro	gramm
622XNDD	Master The	esis for study programm		÷						
					Min	cours.				1

Y2-NP-DS-2	24/25-DC	PVP-B M	gr. prezen ni	DS od 2024/25	3 . cours. 3	Min/Max		PV
612Y2KS	Rail Transp	port in Settlements an	612Y2MD	Methods of Traffic Regulation an				
<u>.</u>			•	·	-			

## List of courses of this pass:

Code	Name of the course	Completion	Credits
•	Stochastic Systems Is with the problems of mathematical modelling of dynamical systems, estimation od these models and their utilization for prediction. The ansportation tasks. Mathematical theory roots from probability and mathematical statistics and they use the methods of the Bayesian p		
611XN1	Master Project 1	Z	2
611XN2	,	Z	2
	Master Project 2	Z	
611XN3	Master Project 3		1
611XN4	Master Project 4	Z	8
611XNDD	Master Thesis for study programme DS	Z	18
612BED	Road Safety Audit	Z,ZK	4
	cations of safety assessments (especially Road Safety Audit, Road Safety Inspection) during the process of preparations, and of the pa		
	Id minimize traffic accident risks for all those who take part in road traffic. Application of European Directive 2008/96/EC on road safety		
612DAZP	Transport and Environment	Z,ZK	4
I his course aims t	he impact of transport on environment. The accent is put mainly on noise and vibration, emission, barrier effect and energy demands. T	ne noise measur	/ is part and
040/000	parcel of this course.	71/	0
612IDOS	Integrated Transport Systems	ZK	3
Reasons for buil	ding of integrated transport systems, principle of integration, dividing of integration methods, traffic, infrastructure, technical, organization tariff, sales systems, information systems, marketing of system, examples of non-integration.	onal methods, inte	egration of
612IKD	Rail Transport Infrastructure	Z,ZK	5
• • = • • =	lateral acceleration, parameters eduction for transition curve and cant transition, curves without straight, track spacing change. Track detail	,	-
	design, slab track. Tram-train. Interoperability. Noise precautions. Railway line modernization for non-tilting and tilting trains.		
612NAPI	Design and Maintenance of Transportation Structures	Z,ZK	4
Design and cons	truction of cement-concrete pavements and their maintenance. Construction of bridge objects, examples and choice of bridge construct and operation of tunnels.	tion materials. Co	onstruction
612TEAP	Theory of Road Traffic Operation	Z,ZK	7
	ers and their measurement, acquisition and processing. Road capacity analysis. Theoretical foundations and applications of mathemati		roscopic,
	icroscopic traffic models. Theory of traffic management. Traffic light signals, roundabouts, coordination, public transport priority. Urban		
	Traffic excesses management. Road assessment and maintenance methods. Health risks assessment.		
612TKVP	Highway Engineering Materials	Z,ZK	4
The theory of roa	d construction - Material Aspects. The course emphasizes the development of road construction from the beginning of the 20th century	/ to the present, f	ocusing on
	materials, understanding the production and placing of asphalt mixtures.		
612UMUP	Sustainable Mobility and Land - Use Planning	Z,ZK	5
	- objectives and tasks, development over time. Land-use planning tools. SUMP. Territorial and transport planning context. Ways of urba		
transport. Basic pr	inciples of the transport solution. The impact of transport on the size and shape of the city, on the development of the street and the squ	uare and the road	ls. Solutions
	for pedestrian and bicycle transport. Suburbanization and transport. City economics.		

			1
612VRZ	High Speed Rail Transport	KZ	3
	(HSR) transport characteristics and position in transportation system. Types / models of HSR systems, preparation of high speed raily		
Republic conditions	s. Non-adhesion HSR systems. City and region traffic service by HSR. HSR operating points. HSR worldwide network. HSR routing an	nd traffic concepti	on. Specific
	of HSR track construction and layout track parameteres.		-
612XN1	Master Project 1	Z	2
612XN2	Master Project 2	Z	2
612XN3	Master Project 3	Z	1
612XN4	Master Project 4	Z	8
612XNDD	Master Thesis for study programme DS	Z	18
612Y2KS	Rail Transport in Settlements and Regions	KZ	2
	d development of railway infrastructure in Czech Republic. Arrangement of railway networks and junctions. Suburban railway services	-	uration and
	ation of metro systems. Network configuration and operation of tram systems. Special thematic lectures (rail transport in selected cour		
612Y2MD	Methods of Traffic Regulation and Prediction	KZ	2
Basic ways of traffic	c prognosis, traffic prognosis for large area (calculation of future traffic volumes, calculation of future traffic volumes between areas (ana		etic methods
	modal split, traffic distribution to road network). Shock wave in traffic flow. Service levels and their traffic volumes. Acceleration r		
612ZSUZ	Railway Stations and Centres	Z,ZK	3
Equipment for pass	senger transport. Platform construction. Access roads to platforms. Modification of railway stations according to the TSI PRM. Station h	-	ant solution
	of station heads for current ride. Junction stations. Crossing stations. Passenger stations. Moving stations. Public transport term		-
614GISS	Geographical Information Systems	KZ	2
Constructio	n of saving format of space-oriented information land-survey and cartography minimum basic tasks of spatial operations principles of	territorial identific	ation
614XN1	Master Project 1	Z	2
614XN2	Master Project 2	Z	2
614XN3	Master Project 3	Z	1
614XN4	Master Project 4	Z	8
			-
614XNDD	Master Thesis for study programme DS	Z	18
615J2A1	Language - English 1	Z	2
	ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills,		
technical text conte	ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg	isters and their u	se, languag
	of management.		
615J2F1	Language - French 1	Z	2
Grammatical Struc	tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills,	feedback skills, s	ummarising
technical text conte	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec		nd their use
technical text conte	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.		nd their use
technical text contended technical text contended technical text contended technical text contended text text text text text text text t			nd their use
615J2I1	language of management.	hnical registers a	2
615J2I1 Grammatical Strue	language of management. Language - Italian 1	hnical registers a Z feedback skills, s	2 2 2
615J2I1 Grammatical Strue	Language of management.           Language - Italian 1           tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills,	hnical registers a Z feedback skills, s	2 2 2
615J2I1 Grammatical Strue	language of management. Language - Italian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.	hnical registers a Z feedback skills, s	2 2 2
615J2I1 Grammatical Struct technical text contect 615J2N1	Language of management.           Language - Italian 1           ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tect	hnical registers a Z feedback skills, s hnical registers a Z	2 summarising nd their use
615J2I1 Grammatical Struct technical text contect 615J2N1 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, elementary rhetorics of foreign language and practical application, formal and tece language of management.	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text contect 615J2N1 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece shills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece shills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece shills.	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text conter 615J2N1 Grammatical Struct technical text conter	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a	2 summarising nd their use 2 summarising nd their use
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teo language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teo language of management.         Language - Russian 1	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z	2 summarising nd their use ummarising nd their use
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct	Ianguage of management.         Language - Italian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teo language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teo language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teo language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, etures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, etures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, etures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, etures and Style.	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct	Ianguage of management.         Language - Italian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language - Russian 1	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text contect 615J2N1 Grammatical Struct technical text contect 615J2R1 Grammatical Struct technical text contect	Ianguage of management.         Language - Italian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a	2 summarising nd their use summarising nd their use summarising nd their use
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         language of management.         Language of management.         Language of management.         Language of management. </td <td>hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z</td> <td>2 summarising nd their use summarising nd their use ummarising nd their use 2 summarising nd their use</td>	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z	2 summarising nd their use summarising nd their use ummarising nd their use 2 summarising nd their use
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct 615J2S1 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         language of management.         Luanguage of management.         Luanguage of management.         Language - Spanish 1 </td <td>hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s</td> <td>2 summarising nd their use summarising nd their use ummarising nd their use 2 summarising</td>	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use summarising nd their use ummarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct 615J2S1 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Spanish 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Spanish 1       ctures and Style. Selection of co	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use summarising nd their use ummarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct 615J2S1 Grammatical Struct technical text control	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Spanish 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a hnical registers a	2 summarising nd their use summarising nd their use 2 summarising nd their use summarising nd their use
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Lunguage - Spanish 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tece language of management.         Language - Spanish 1 <td>hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s</td> <td>2 summarising nd their use summarising nd their use summarising nd their use summarising nd their use ummarising nd their use</td>	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s	2 summarising nd their use summarising nd their use summarising nd their use summarising nd their use ummarising nd their use
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Spanish 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Spanish 1 <td>hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a</td> <td>2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising</td>	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teol language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teol language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teol language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teol language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teol language of management.         Language - English 2       L	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - German 1         ttures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Russian 1         ttures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Russian 1         ttures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - Spanish 1         ttures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tecc language of management.         Language - English 2       <	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s inical registers a Z feedback skills, s isters and their us	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3	Ianguage of management.         Language - Italian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2       tra	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s inical registers a Z feedback skills, s hnical registers a Z	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising se, languag 2
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - English 2       tu	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct	language of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.         Language - English 2       La	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control	language of management.         Lunguage - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Lunguage - Russian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2       Imaguage of management.         La	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us z feedback skills, s isters and their us	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA3	Ianguage of management.         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg in the structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg in the structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg in the structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg in the structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg in the structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical reg in transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg of management.         Language - English 3 <tr< td=""><td>hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s</td><td>2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag</td></tr<>	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA3 Grammatical struct technical text control	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2 <t< td=""><td>hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s</td><td>2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 ummarising</td></t<>	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 ummarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA3 Grammatical struct technical text control	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and tec language of management.         Language - English 3	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 ummarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical regions and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical region for conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical regions and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical region of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical region of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical region of management.         Language - English 3         tures and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical region of management.         Language - English 3	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA3 Grammatical struct technical text control	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and tec language of management.         Language - English 3	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 ummarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical regions and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical region for conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical regions and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical region of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical region of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical region of management.         Language - English 3         tures and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical region of management.         Language - English 3	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 ummarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBF2 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg of management.         Language - English 3       tures and styl	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2 summarising nd their use summarising nd their use 2 summarising nd their use 2 summarising se, languag 2 ummarising se, languag 2 ummarising se, languag 2 summarising se, languag 2 summarising se, languag
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBF2 Grammatical Struct	Ianguage of management.         Language - Italian 1         ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Spanish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg of management.         Language - English 3	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2       summarising       nd their use       2       summarising       1       2       summarising       nd their use       2       summarising       2       se, languag       2       ummarising       se, languag       2       ummarising       se, languag       2       ummarising       3       2       ummarising       3       2       ummarising       3       3       3       3       3       3       3       3       4       3       3       3       3       4       4       5       4       5       4       5       5       5       4       5       5 <td< td=""></td<>
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBF2 Grammatical Struct technical text control	Ianguage of management.         Language - Italian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Lures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Lures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Comparish 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg of management.         Language - English 3         tures and style. Selection of conversation topics relating to transportation sciences. Developing perc	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2       summarising       nd their use       2       summarising       1       2       summarising       nd their use       2       summarising       2       se, languag       2       ummarising       se, languag       2       ummarising       se, languag       2       ummarising       3       2       ummarising       3       2       ummarising       3       3       3       3       3       3       3       3       4       3       3       3       3       4       4       5       4       5       4       5       5       5       4       5       5 <td< td=""></td<>
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBF2 Grammatical Struct technical text control 615JBF2 Grammatical Struct technical text control	Ianguage of management.         Language - Italian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, int, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg of management.         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, int, structuring presentations and meeting minutes, elementary rhetorics of Engli	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2       summarising       nd their use       2       summarising       1       2       summarising       1       2       summarising       2       se, languag       2       ummarising       se, languag       2       ummarising       se, languag       2       ummarising       se, languag       2       ummarising       se, languag       2       summarising       se, languag       2       2       ummarising       se, languag       2       summarising       se, languag       2       summarising       summarising       summarising       summarising       summarising       summarising       summarising       summarising
615J2I1 Grammatical Struct technical text control 615J2N1 Grammatical Struct technical text control 615J2R1 Grammatical Struct technical text control 615J2S1 Grammatical Struct technical text control 615JBA2 Grammatical Struct technical text control 615JBA3 Grammatical struct technical text control 615JBA4 Grammatical struct technical text control 615JBF2 Grammatical Struct technical text control 615JBF3 Grammat and styl	Ianguage of management.         Language - Italian 1         stures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - German 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Lures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - Russian 1         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec language of management.         Language - English 2         tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, and, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical reg of management.         Language - English 3         tures and style. Selection of conversation topics	hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s hnical registers a Z feedback skills, s isters and their us Z feedback skills, s	2       summarising       nd their use       2       summarising       1       2       summarising       se, language       2       ummarising       se, language       2       ummarising       se, language       2       ummarising       se, language       2       ummarising       se, language       2       se, language       2       summarising       summarising       se, language       2       summarising       summarising       summarising       summarising       summarising       summarising <t< td=""></t<>

615JBF4			I -
	Language - French 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	ZK	2
-	d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work		-
	features. Practice of oral and written presentation.		
615JBI2	Language - Italian 2	Z	2
	tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills	, feedback skills, s	1
	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management.		
615JBI3	Language - Italian 3	Z	2
Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	anguage structure	knowledg
and perceptive and	d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work	with (professional)	text and it
	features. Practice of oral and written presentation.		
615JBI4	Language - Italian 4		2
-	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work		-
	features. Practice of oral and written presentation.		
615JBN2	Language - German 2	Z	2
	tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills	, feedback skills, s	ummarisin
chnical text conte	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and teo language of management.	chnical registers a	nd their us
615JBN3	Language - German 3	Z	2
-	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I		-
nd perceptive and	d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.	with (professional)	text and it
615JBN4	Language - German 4	ZK	2
Frammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	anguage structure	knowledg
nd perceptive and	d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work	with (professional)	text and it
	features. Practice of oral and written presentation.	7	0
615JBR2	Language - Russian 2	Foodbook skills o	2
	tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ant, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter		
	language of management.	sinnour regiotore u	
615JBR3	Language - Russian 3	Z	2
Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	anguage structure	knowledg
and perceptive and	d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work	with (professional)	text and it
	features. Practice of oral and written presentation.		
615JBR4	Language - Russian 4	ZK	2
Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	anguage structure	knowledg
Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of l d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work	anguage structure	knowledg
Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.	anguage structure	knowledg
Grammar and stylis and perceptive and 615JBS2	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of l d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work	anguage structure with (professional)	knowledg text and it
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2	anguage structure with (professional)	knowledg text and it 2 ummarisin
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conten	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management.	anguage structure with (professional) Z , feedback skills, s chnical registers ar	knowledg text and it 2 ummarisin
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3	anguage structure with (professional) Z , feedback skills, s chnical registers ar	knowledg text and it 2 ummarisin nd their us
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	anguage structure with (professional) Z, feedback skills, s chnical registers an Z anguage structure	knowledg text and it 2 ummarisin nd their us 2 knowledg
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work	anguage structure with (professional) Z, feedback skills, s chnical registers an Z anguage structure	knowledg text and it 2 ummarisin nd their use 2 knowledg
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis and perceptive and	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.	anguage structure with (professional) Z, feedback skills, s chnical registers an Z anguage structure with (professional)	knowledg text and it 2 ummarisin nd their us knowledg text and it
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis and perceptive and 615JBS4	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 3	anguage structure with (professional) Z, feedback skills, s chnical registers an Z anguage structure with (professional) ZK	knowledg text and it 2 ummarisin nd their use knowledg text and it
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure	knowledg text and it 2 ummarisin nd their use knowledg text and it 2 knowledg
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure	knowledg text and it 2 ummarisin nd their use knowledg text and it 2 knowledg
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure	knowledg text and it 2 ummarisin nd their use knowledg text and it 2 knowledg
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure with (professional) Z Z	knowledg text and it 2 ummarisin nd their use knowledg text and it knowledg text and it
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text content 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills and, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure with (professional) Z	knowledg text and it 2 ummarisin nd their us knowledg text and it knowledg text and it
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text content 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615JRS4 Grammar and stylis and perceptive and 615XN1 615XN2	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure with (professional) Z Z	knowledg text and it 2 ummarisin nd their us knowledg text and it knowledg text and it 2 knowledg text and it 2 2
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615XN1 615XN2 615XN3	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 3	anguage structure with (professional) Z, feedback skills, s chnical registers an Z anguage structure with (professional) ZK anguage structure with (professional) Z Z Z	knowledg text and it 2 ummarisin nd their us knowledg text and it 2 knowledg text and it 2 2 knowledg text and it 2 1
Grammar and stylic and perceptive and 615JBS2 Grammatical Struct chnical text conter 615JBS3 Grammar and stylic and perceptive and 615JBS4 Grammar and stylic and perceptive and 615XN1 615XN1 615XN2 615XN3 615XN4	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 3 Master Project 4	anguage structure with (professional) Z , feedback skills, s chnical registers ar Z anguage structure with (professional) ZK anguage structure with (professional) Z Z Z Z	knowledg text and it 2 ummarisin nd their us 2 knowledg text and it 2 knowledg text and it 2 2 howledg text and it 2 1 8
Grammar and stylic ind perceptive and 615JBS2 Grammatical Struct icchnical text conter 615JBS3 Grammar and stylic ind perceptive and 615JBS4 Grammar and stylic ind perceptive and 615XN1 615XN2 615XN3 615XN4 615XNDD 616PDP	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 4 Master Thesis for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design pro	anguage structure with (professional) Z , feedback skills, s chnical registers an Z anguage structure with (professional) Z Z Z Z Z Z Z Z Z	knowledg text and it 2 ummarisin nd their us knowledg text and it 2 knowledg text and text and tex
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct cchnical text conter 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615XN1 615XN2 615XN3 615XN4 615XNDD 616PDP Design of transpo	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter- language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 2 Master Theojict 3 Master Theojics for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design pre- vehicle structure. Evaluation of variant concepts. Design phases. Realiability, technological aspects etc.	anguage structure with (professional) Z , feedback skills, s chnical registers ar Z anguage structure with (professional) Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	knowledg text and it 2 ummarisin nd their us 2 knowledg text and it 2 knowledg text and it 2 1 8 1 8 18 2 esign and
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct cchnical text conter 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615XN1 615XN2 615XN3 615XN4 615XNDD 616PDP Design of transpor 616STK	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 2 Master Project 4 Master Thesis for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design prases. Realiability, technological aspects etc. Simulation and Testing of Vehicle Body and Systems	Anguage structure with (professional) Z , feedback skills, s chnical registers and Z anguage structure with (professional) ZK anguage structure with (professional) Z Z Z Z Z Z Z Z Z Z Z Z Z	knowledg text and if 2 ummarisin nd their us 2 knowledg text and if 2 knowledg text and if 2 2 knowledg text and if 2 a 1 8 18 2 esign and
Grammar and stylic and perceptive and 615JBS2 Grammatical Struct chnical text conter 615JBS3 Grammar and stylic and perceptive and 615JBS4 Grammar and stylic and perceptive and 615XN1 615XN2 615XN3 615XN4 615XN4 615XNDD 616PDP Design of transpor 616STK Gimulation theory. C	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and ter language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 2 Master Theoist for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design pra- vehicle structure. Evaluation of variant concepts. Design phases. Realiability, technological aspects etc. Simulation and Testing of Vehicle Bo	Anguage structure with (professional) Z , feedback skills, s chnical registers and Z anguage structure with (professional) ZK anguage structure with (professional) ZK cess, functional d ZK anguage (HIL)	knowledg text and if 2 ummarisir nd their us 2 knowledg text and if 2 knowledg text and if 2 2 knowledg text and if 2 a sign and 3 . Simulatic
Grammar and stylic and perceptive and 615JBS2 Grammatical Struct cchnical text conter 615JBS3 Grammar and stylic and perceptive and 615JBS4 Grammar and stylic and perceptive and 615XN1 615XN2 615XN3 615XN4 615XN4 615XNDD 616PDP Design of transpor 616STK Gimulation theory. C approaches	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tere language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 2 Master Thesis for study programme DS Principles of Vehicle Design Ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design pre vehicle structure. Evaluation of variant concepts. Design phases. Realiability, technological aspects etc. Simulation and Testing of Vehicle Bod	anguage structure with (professional) Z , feedback skills, s chnical registers and Z anguage structure with (professional) ZK anguage structure with (professional) ZK Z Z Z Z Z Z Z Z Z z z z z z z z z z	knowledg text and if 2 ummarisin nd their us knowledg text and if 2 knowledg text and if 2 knowledg text and if 2 simulatic iage.
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct eachnical text conten- 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615XN1 615XN2 615XN3 615XN4 615XNDD 616PDP Design of transpor 616STK Simulation theory. C approaches 616XN1	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and terms of the language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 2 Master Project 4 Naster Thesis for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design prevence to computing equipment for simulation and Testing of Vehicle Body and Systems Computing equipment for simulation o	anguage structure with (professional) Z , feedback skills, s chnical registers and Z anguage structure with (professional) ZK anguage structure with (professional) ZK Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	knowledg text and it 2 ummarisin nd their us knowledg text and it 2 knowledg text and it 2 knowledg text and it 2 knowledg text and it 2 simulation iage. 2
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conten- 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615XN1 615XN2 615XN2 615XN3 615XN4 615XN4 615XNDD 616PDP Design of transpor 616STK Simulation theory. C approaches 616XN1 616XN2	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.  Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and terminary and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.  Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.  Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation.  Master Project 1 Master Project 1 Master Project 2 Master Thesis for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design pre- vehicle structure. Evaluation of variant concepts. Design phases. Realiability, technological aspects etc.  Simulation and Testing of Vehicle Dody and Systems Computing equipment for simulation. Modeling of mecha	anguage structure with (professional) Z , feedback skills, s chnical registers an anguage structure with (professional) ZK anguage structure with (professional) Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	knowledg text and it 2 ummarisin nd their use knowledg text and it 2 knowledg text and it 2 knowledg text and it 2 knowledg text and it 2 sign and 3 . Simulatio riage. 2
Grammar and stylis and perceptive and 615JBS2 Grammatical Struct echnical text conter 615JBS3 Grammar and stylis and perceptive and 615JBS4 Grammar and stylis and perceptive and 615XN1 615XN2 615XN3 615XN4 615XNDD 616PDP Design of transpor 616STK Simulation theory. C approaches 616XN1	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 2 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills int, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and terms of the language of management. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 3 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Language - Spanish 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of I d communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work features. Practice of oral and written presentation. Master Project 1 Master Project 2 Master Project 2 Master Project 4 Master Thesis for study programme DS Principles of Vehicle Design ortation vehicle according to its usage and function. Marketing and user demands. Vehicle dynamics. Propulsion systems. Design prevence to computing equipment for simulation and Testing of Vehicle Body and Systems Computing equipment for simulation o	anguage structure with (professional) Z , feedback skills, s chnical registers and Z anguage structure with (professional) ZK anguage structure with (professional) ZK Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	knowledg text and it 2 ummarisin nd their use knowledg text and it 2 knowledg text and it 2 knowledg text and it 2 knowledg text and it 2 simulation iage. 2

617DOPD	Transportation Planning and Modeling	Z,ZK	4
Basic steps and tools used	within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availab		w trends for
	transportation planning and modelling.		
617TZND	Technology of Railway Transport	Z,ZK	4
Track line capacity assesm	ent, model operational situation with a system running time between IPT-nodes, calculation of traction energy	savings compared with infrastru	cture costs
for designing of fleeting cro	ossing station, solving of capacity problem and blocking time in relation to train protection system, robustness	of timetable, system concept of f	freight train
	paths, guidelines for centralised operational traffic control and management.		
617XN1	Master Project 1	Z	2
617XN2	Master Project 2	Z	2
617XN3	Master Project 3	Z	1
617XN4	Master Project 4	Z	8
617XNDD	Master Thesis for study programme DS	Z	18
618GAZ	Geomechanics and Foundation Engineering	Z,ZK	3
	aphyand stratigraphy), mechanics of soils (classification of fundamental soils, mechanic properties of fundame		
(footings, footers, plates, de	epth of founding), determination of planar foundations bearing and deformation, depth foundations classificatio	on of depth foundations elements	s, examples
	of their use, piles (classification, technology od performing).		
618TEAM	Theoretical and Applied Mechanics	Z,ZK	4
	plasticity. Plasticity conditions. Elastoplastic and plastic states of cross-sections and beams. Reliability and du		and strain
	ate around a notch. Stress intensity factor. Fracture toughness. Energy methods of linear fracture mechanics. C	-	
618TIK	Theory of Engineering Structures	Z,ZK	4
	knowledge gained in basic mechanics courses in bachelor study (especially Statics and Elasticity) in the field o	-	
is placed on plane and axis	symmetric problems, as well as on the calculation of stress and strain in plates and shells. Students are furthe behavior of subsoil used in the design of line structures.	r acquainted with methods of mo	odeling the
610VN1		7	2
618XN1	Master Project 1	Z	2
618XN2	Master Project 2	Z	2
618XN3	Master Project 3	Z	1
618XN4	Master Project 4	Z	8
618XNDD	Master Thesis for study programme DS	Z	18
620XN1	Master Project 1	Z	2
620XN2	Master Project 2	Z	2
620XN3	Master Project 3	Z	1
620XN4	Master Project 4	Z	8
620XNDD	Master Thesis for study programme DS	Z	18
621XN1	Master Project 1	Z	2
621XN2	Master Project 2	Z	2
621XN3	Master Project 3	Z	1
621XN4	Master Project 4	Z	8
621XNDD	Master Thesis for study programme DS	Z	18
622AMMD	Measuring Methods Applied to Transportation	KZ	4
	nical processing of traffic route with geodetic total station, GPS and photogrammetry, 3D scanning. Transport of	1	-
	sessing of several vehicle dynamic characteristics using high-speed cameras and accelerometers. It is a week		
	and September - usually in examination period.		
622MSV	Modelling and Vehicle Movement Simulation	KZ	2
	simulation tools with regards to vehicle movement analysis and vehicle crash analysis. Kinematic and dynamic m		s movement
	View conditions. Proposed road space passage. Processing of road 3D models.		
622XN1	Master Project 1	Z	2
622XN2	Master Project 2	Z	2
622XN3	Master Project 3	Z	1
			1
622XN4	Master Project 4	Z	8

For updated information see <u>http://bilakniha.cvut.cz/en/FF.html</u> Generated: day 2025-08-16, time 14:49.