Study plan

Name of study plan: KOMBI navaz. mag. studium v 22-23 programu LA

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Logistics and Transport Processes Control

Type of study: Follow-up master combined

Required credits: 120 Elective courses credits: 0 Sum of credits in the plan: 120

Note on the plan:

Name of the block: Compulsory courses Minimal number of credits of the block: 103

The role of the block: Z

Code of the group: 1S K LA 22-23 P

Name of the group: 1.sem.navaz.mag. KOMBI programu LA 22-23 povinné p edm ty

Requirement credits in the group: In this group you have to gain 28 credits

Requirement courses in the group: In this group you have to complete 9 courses

Credits in the group: 28 Note on the group:

THOLE OIL THE GLOC	~P.					
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
611LIP2	Linear Programming 2 Pavla Pecherková, Jozef Nagy Pavla Pecherková (Gar.)	Z,ZK	3	2P+1C+10B	Z	Z
611TER	Game Theory and Optimal Decision-Making Magdalena Hykšová Magdalena Hykšová (Gar.)	ZK	2	2P+0C+8B	Z	Z
617LSC	Logistics in Smart Cities Eliška Glaserová Tomáš Horák (Gar.)	Z,ZK	6	2P+2C+14B	Z	Z
617TZNK	Technology of Railway Transport Michal Drábek Vít Janoš (Gar.)	Z,ZK	5	12B	Z	Z
617TZOK	Inventory, Replacement and Scheduling Theory Dušan Teichmann Dušan Teichmann (Gar.)	Z,ZK	4	10B	Z	Z
614GISS	Geographical Information Systems Zuzana Purkrábková, František Kekula	KZ	2	0P+2C+8B	Z	Z
617MADS	Management of Transport Systems Roman Št rba Roman Št rba (Gar.)	KZ	2	2P+0C+8B	Z	Z
617TSI	Technology of Road Transport Michal Drábek Michal Drábek (Gar.)	KZ	2	2P+0C+8B	Z	Z
615J2A1	Language - English 1 V ra Pastorková	Z	2	0P+2C+10B	Z	Z

Characteristics of the courses of this group of Study Plan: Code=1S K LA 22-23 P Name=1.sem.navaz.mag. KOMBI programu LA 22-23 povinné p edm ty

OTILIFZ	Linear Frogramming 2	Z,ZN	3	
Formulation of the task	of integer programming, branch and bound method of numerical solution, problems about knapsack, travelling salesman, sets	, location of stores	and post boxes	š,
tasks of scheduling, heu	ristics, metaheuristics - genetic algorithms, ant colony optimization.			

フフレ

Z,ZK

611TER Game Theory and Optimal Decision-Making

Decision-making theory, utility theory. Explicit form games, backward induction. Normal form games. Antagonistic conflict, matrix games. Repeated games, evolutionary game theory. Cooperative games without transferable payoffs. Cooperative games with transferable payoffs (imputation, core, Shapley value, nucleolus). Applications of game theory above all in

economics and transportation.

614LID2

617LSC Logistics in Smart Cities

Z,ZK 6

Development of cities in time, city and region, mobility of city residents and movement of goods, sustainability as a concept, Smart Cities, city as a system and its components, quality

Development of cities in time, city and region, mobility of city residents and movement of goods, sustainability as a concept, Smart Cities, city as a system and its components, quality of life, individual quality of life, city "smartness" assessment, legislation in Smart Cities, Smart Cities transformation, last mile logistics, e-commerce, new approaches in last mile logistics, last mile logistics in cities and in regions.

617TZNK Technology of Railway Transport

Track line capacity assessment, model operational situation with a system running time between IPT-nodes, calculation of traction energy savings compared with infrastructure costs for designing of fleeting crossing station, solving of capacity problem and blocking time in relation to train protection system, robustness of timetable, system concept of freight train

paths, guidelines for centralised operational traffic control and management

Lincar Programming 2

617TZOK	Inventory, Replacement and Scheduling Theory	Z,ZK	4				
Inventory theory - introduction, static models, deterministic dynamic models, stochastic dynamic models Replacement theory - introduction, models for replacement of items that							
deteriorate with time, models for replacement of items that fail completely Scheduling theory - introduction, single machine scheduling problems, parallel machine scheduling problems,							
flow shop scheduling pr	oblems and job shop scheduling problems						
614GISS	Geographical Information Systems	KZ	2				
Construction of saving f	ormat of space-oriented information land-survey and cartography minimum basic tasks of spatial operations principles of ter	ritorial identification	on				
617MADS	Management of Transport Systems	KZ	2				
Functions, processes ar	nd systems of management in transport, organisational structures, strategy, social responsibility, soft skills.						
617TSI	Technology of Road Transport	KZ	2				
Legislative, operational,	technical, logistic and safety conditions of road transport, basic transport technologies, special transport, international agree	ements, requireme	ents on the				
parameters and special	ization of transport, handling and loading/unloading means, maintenance, service and repairs of road vehicles, safety of road	d transport and ch	oice of optimal				
transport unit.							
615J2A1	Language - English 1	Z	2				
Grammatical Structures	and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative sk	ills, feedback skill	s, summarising				
technical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technica	registers and the	ir use, language				
of management.							

Code of the group: 2S K LA 22-23 P

Name of the group: 2.sem.navaz.mag. KOMBI programu LA 22-23 povinné p edm ty

Requirement credits in the group: In this group you have to gain 25 credits

Requirement courses in the group: In this group you have to complete 8 courses

Credits in the group: 25

Note on the group:

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
611THRO	Queuing Theory Šárka Vorá ová Šárka Vorá ová (Gar.)	ZK	2	2P+0C+8B	L	Z
617KMDK	Quantitative Methods in Transport Dušan Teichmann, Denisa Mocková Denisa Mocková (Gar.)	Z,ZK	7	14B	L	Z
617MID	Managerial Information Systems in Transport Václav Baroch Václav Baroch (Gar.)	Z,ZK	3	2P+1C+10B	L	Z
617RKOP	Management of commercial projects in transport Alexandra Dvo á ková	Z,ZK	3	2P+1C+10B	L	Z
614BIG	Big Data Ond ej Smíšek	KZ	2	0P+2C+8B	L	Z
614TEL	Telecommunications Tomáš Zelinka Tomáš Zelinka (Gar.)	KZ	3	2P+1C+10B	L	Z
617DOCH	Travel Behavior Milan K íž Milan K íž (Gar.)	KZ	3	3P+0C+10B	L	Z
615JBA2	Language - English 2 V ra Pastorková, Jan Feit	Z	2	0P+2C+10B	L	Z

Characteristics	of the courses of this group of Study Plan: Code=2S K LA 22-23 P Name=2.sem.navaz.mag. I	KOMBI progra	mu LA 22-23
povinné p edm	ty		
611THRO	Queuing Theory	ZK	2
Discrete event proce	ess, definition, random distribution, and probability. Basic processes, process of revitalisation. Markov process, Markov models, k	cendall classification	n, model M/M/1,
models M/M/n. Non-	markovian models, model M/C/n, models G/G/n. Models with continuous flow. Service net, examples of Petri net. Computer sim	nulation.	
617KMDK	Quantitative Methods in Transport	Z,ZK	7
The course focuses	on the issue of the use of undirected graphs tree type, planar graphs and their coloring. Further distribution problems, facility loc	cation problems are	formulated and
solved such as mod	els of integer linear programming. Besides the use of exact methods there are described simple and also more sofisticated heu	ristics (metaheurist	ics) methods.
617MID	Managerial Information Systems in Transport	Z,ZK	3
IT and their use in b	uilding IS of modern transport company. New EU legislation on cyber security and data protection puts transport organizations	in front of new chal	lenges. The
course focuses on the	ne security of IS and possible sources of danger. The practical part deals with the process of building a new IS from the idea thro	ough the timetable a	and the financial
budget, the basic do	cuments for the possible assignment of the contract.		
617RKOP	Management of commercial projects in transport	Z,ZK	3
Business project (cu	stomer, activities, output - quality, time, money), project surroundings, location of the project (area analysis, traffic flows, author	ization procedure),	organizational
structure of the proje	ect , sources of financing, customer-supplier relations, feasibility studies, sensitivity and multi-criteria analysis, financial and valu	ie analysis, manage	ement of project
changes.			
614BIG	Big Data	KZ	2
Principle of MapRed	uce, Basic Principles of Big Data Management, Comparison and Classification of NoSQL Databases, Key Database Value Datab	ase, Column Databa	ases, Document
Databases, Graph D	atabases-Basic Principles, Graph Databases-Advanced Aspects, Indexing, Interpretation, Advanced Principles Big Data Mana	gement, NewSQL D	atabase, Cloud
computing, Data wa	rehouses and Big Data, Cloud computing, Data warehouses and Big Data, Other Big Data issues		
614TEL	Telecommunications	KZ	3
Status quo and new	trends in telecommunications systems, economical and legal aspects of telecommunications networks design and telecommun	nications services p	rovissioning,
identification and qua	ntification of hyererchical telecommunications networks and telecommunicatuon services performance based on addopted performa	nce parameters, tel	ecommunication
services typically an	plied within transport and specifically logistic solutions.		

617DOCH Travel Behavior KZ 3

Investigation of causal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; design of research instrument and data collection). Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practical vs. statistical significance). Analysis and interpretation of data (surveys, choice exp., panel. data).

615JBA2 Language - English 2

Grammatical Structures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feedback skills, summarising technical text content, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registers and their use, language of management.

Code of the group: 3S K LA 23-24 P

Name of the group: 3.sem.navaz.mag. KOMBI programu LA 23-24 povinné p edm ty

Requirement credits in the group: In this group you have to gain 22 credits

Requirement courses in the group: In this group you have to complete 6 courses

Credits in the group: 22 Note on the group:

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
611STS	Stochastic Systems Pavla Pecherková Evženie Uglickich (Gar.)	Z,ZK	4	2P+2C+14B	Z	Z
617DOPM	Transportation Planning and Modeling	Z,ZK	6	2P+2C+14B	Z	Z
617PPC	Carriage Processes Roman St rba Roman Št rba (Gar.)	ZK	3	2P+0C+10B	Z	Z
617RVIP	Public project management in transport Alexandra Dvo á ková Olga Mertlová (Gar.)	Z,ZK	5	2P+2C+14B	Z	Z
617AMAK	Aplication of marketing tools in transport industry Alexandra Dvo á ková	KZ	2	10B	Z	Z
615JBA3	Language - English 3 V ra Pastorková	Z	2	0P+2C+10B	Z	Z

Characteristics of the courses of this group of Study Plan: Code=3S K LA 23-24 P Name=3.sem.navaz.mag. KOMBI programu LA 23-24 povinné p edm tv

povinne p eam ty		
611STS Stochastic Systems	Z,ZK	4
The subject deals with the problems of mathematical modelling of dynamical systems, estimation od these models and their utilization for prediction.	The results are illi	ustrated on
practical transportation tasks. Mathematical theory roots from probability and mathematical statistics and they use the methods of the Bayesian probability	abilistic approach.	
617DOPM Transportation Planning and Modeling	Z,ZK	6
Basic steps and tools used within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urbar	n areas, land use.	New trends for
transportation planning and modelling.		
617PPC Carriage Processes	ZK	3
Domestic carriages, international carriages, nomenclature of goods, pricing, contracting, responsibility for damages.	,	
617RVIP Public project management in transport	Z,ZK	5
Basic concepts of project management in the public sector, used procedures and standards of project management, organizational structure in project	management in th	ne public sector,
project and pre-project preparation in transport and transport infrastructure and their specifics, feasibility study and CBA, project evaluation.		
617AMAK Aplication of marketing tools in transport industry	KZ	2
Strategic marketing plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and research and promotion, Multimedia presentations, Direct marketing and research	elated lead genera	tion campaigns
615JBA3 Language - English 3	Z	2
Grammatical structures and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skill	s, feedback skills,	summarising
technical text content, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical	registers and thei	r use, language
of management.		

Code of the group: 4S K LA 23-24 P

Name of the group: 4.sem.navaz.mag. KOMBI programu LA 23-24 povinný p edm t

Requirement credits in the group: In this group you have to gain 2 credits

Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 2
Note on the group:

11010 011 1110	g. oap.					
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 V ra Pastorková. Jan Feit	ZK	2	0P+2C+10B	L	z

Characteristics of the courses of this group of Study Plan: Code=4S K LA 23-24 P Name=4.sem.navaz.mag. KOMBI programu LA 23-24 povinný p edm t

615JBA4 Language - English 4

Grammatical structures and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feedback skills, summarising technical text content, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registers and their use, language of management.

Code of the group: DP N LA K 21-22

Name of the group: Diplomová práce nav.mag.programu LA komb.(od) 21/22 Requirement credits in the group: In this group you have to gain 18 credits Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 18 Note on the group:

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
611XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
612XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
614XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
615XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
616XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
617XNDM	Master Thesis for study programme LA Tomáš Horák, Dušan Teichmann, Roman Št rba, Václav Baroch, Daniel Pilát, Ji í Pospíšil	Z	18	0P+20C+70B	L	Z
618XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
620XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
621XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
622XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z
623XNDM	Master Thesis for study programme LA	Z	18	0P+20C+70B	L	Z

Characteristics of the courses of this group of Study Plan: Code=DP N LA K 21-22 Name=Diplomová práce nav.mag.programu LA komb.(od) 21/22

611XNDM	Master Thesis for study programme LA	Z	18
612XNDM	Master Thesis for study programme LA	Z	18
614XNDM	Master Thesis for study programme LA	Z	18
615XNDM	Master Thesis for study programme LA	Z	18
616XNDM	Master Thesis for study programme LA	Z	18
617XNDM	Master Thesis for study programme LA	Z	18
618XNDM	Master Thesis for study programme LA	Z	18
620XNDM	Master Thesis for study programme LA	Z	18
621XNDM	Master Thesis for study programme LA	Z	18
622XNDM	Master Thesis for study programme LA	Z	18
623XNDM	Master Thesis for study programme LA	Z	18

Code of the group: SDP N LA K 21-22

Name of the group: Seminá k dip.práci nav.mag.programu LA komb.(od) 21/22

Requirement credits in the group: In this group you have to gain 8 credits

Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 8 Note on the group:

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
611XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
612XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
614XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
615XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
616XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
617XN4K	Seminar for Diploma Thesis Tomáš Horák, Daniel Pilát	Z	8	8B	L	Z

618XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
620XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
621XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
622XN4K	Seminar for Diploma Thesis	Z	8	8B	L	Z
623XN4K	Seminar for Diploma Thesis"	Z	8	8B	L	Z

Characteristics of the courses of this group of Study Plan: Code=SDP N LA K 21-22 Name=Seminá k dip.práci nav.mag.programu LA komb.(od) 21/22

611XN4K	Seminar for Diploma Thesis	Z	8
612XN4K	Seminar for Diploma Thesis	Z	8
614XN4K	Seminar for Diploma Thesis	Z	8
615XN4K	Seminar for Diploma Thesis	Z	8
616XN4K	Seminar for Diploma Thesis	Z	8
617XN4K	Seminar for Diploma Thesis	Z	8
618XN4K	Seminar for Diploma Thesis	Z	8
620XN4K	Seminar for Diploma Thesis	Z	8
621XN4K	Seminar for Diploma Thesis	Z	8
622XN4K	Seminar for Diploma Thesis	Z	8
623XN4K	Seminar for Diploma Thesis"	Z	8

Name of the block: Compulsory elective courses

Minimal number of credits of the block: 9

The role of the block: PV

Code of the group: PVP NAV K LA 22-23

Name of the group: PVP nav.komb.LA 22-23 (program LA, nikoliv obor LA) Requirement credits in the group: In this group you have to gain 9 credits

Requirement courses in the group: In this group you have to complete 3 courses

Credits in the group: 9 Note on the group:

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
617W2AM	Application of Marketing Tools in Transportation	KZ	3	8B	L	PV
621W2CR	CRM	KZ	3	8B	L	PV
617W2FM	Financing in Urban Mass Transportation	KZ	3	8B	Z	PV
621W2FM	Aviation Company Financial Management Radoslav Zozu ák	KZ	3	8B	Z	PV
615W2HS	Road Transport History	KZ	3	8B	L	PV
614W2KI	Capital Investment in Transportation and Telecommunications	KZ	3	8B	L	PV
621W2LS	Air Traffic Services	KZ	3	8B	L	PV
615W2MS	Sociology for Managers	KZ	3	8B	Z	PV
621W2MC	CNS Systems Modelling Stanislav Pleninger	KZ	3	8B	Z	PV
615W2OZ	Health Protection in Transportation and EU Petr Musil	KZ	3	8B	Z	PV
615W2PT	Food in Transportation Petr Musil	KZ	3	8B	L	PV
621W2PP	Law and Operation in Air Transport	KZ	3	8B	L	PV
621W2PL	Operational Aspects of Aerodromes	KZ	3	8B	Z	PV
617W2RZ	Control of Transport Processes	KZ	3	8B	Z	PV
615W2SR	Stylistics and Rhetorics	KZ	3	8B	Z	PV
615W2TS	Technician and Contemporary Society	KZ	3	8B	L	PV

Characteristics of the courses of this group of Study Plan: Code=PVP NAV K LA 22-23 Name=PVP nav.komb.LA 22-23 (program LA, nikoliv obor LA)

617W2AM	Application of Marketing Tools in Transportation	KZ	3				
Application of marketin	Application of marketing principles in transport issues, marketing tools suitable for transport, case studies of the use of marketing in the sphere of public passenger transport.						
621W2CR	CRM	KZ	3				
Introduction to CRM. Analysis of air accidents. Human factor. Error. Historical development of CRM. Health and fitness. Stress and its effect on the human body. Fatigue Sleep & CRM. Health and fitness.							
Vigilance Information F	Processing Situational Awareness Workload Management, Decision Making, Communication, Leadership & Decision Beha	viour Automation					

617W2FM Financing in Urban Mass Transportation	KZ	3
JMT history and development in Prague and other cities in the world. Building and operation of public tram, bus, and trolley	bus networks. Underground building and o	peration. Other
MT types. UMT development in small towns. Particularities of investment and operation financing of individual UMT types.		
nspection and blind passengers. Tourism & UMT. UMT typology & choice of optimum financing.		-
621W2FM Aviation Company Financial Management	KZ	3
Theories of corporate finance - financial statements, budget, forecast. Financial policy of the company. Financial resources		
earnings, shares, bonds, loans, leasing, capital. Financial and economic analysis of the company - structure and content.	, ,	
Road Transport History	KZ	3
Roads and road traffic in the Ancient Age, corridors of main mediveal pathways. Development of road traffic in the modern p		1
st part of 20th century. Development of road layout, geometric and construction layers. Beginning of modern road civil engi	•	•
distory of road intercections, bridges and traffic control, development of road signs.	3	
Capital Investment in Transportation and Telecommunications	KZ	3
Financial market, investment desicion making - long term goals and investment strategies, long term financing	'\=	,
621W2LS Air Traffic Services	KZ	3
Air Harne Gervices Airspace structure in Czech Republic and other countries. Introduction and description of ATS units in Czech Republic. Prac	1	-
and radar control. Incidents caused or partially caused by ATS. History of ATS and Czech airspace.	vical examples of TVVIX, All T a Alece contin	oi. i roccadiai
615W2MS Sociology for Managers	KZ	3
Sociological approach to a corporation. Corporation and its organization. Corporation and its running - human role and com	ı	
Human's work position in free market economy. Corporate directorship, work groups, adaptation, strife, different roles and pr	-	ociai system.
	KZ	3
, ,		
Health Protection in Transportation and EU	KZ	3
Health protection in transportation in CR in the past and present. Conditions before 1989 and after, current legislature, future	e prospects. Harmonisation of legislation v	with other EU
members. Fundamental principles of health protection and support in selected EU countries.		_
615W2PT Food in Transportation	KZ	3
The nutrition policy. Interaction transportation and foodstuffs. The health risks. Hygienic safeguard. The practical examples fr	rom the Czech Republic and from the worl	ld. The issues
dining cars, work trains and other railroad equipment. Legislation.	T	1
621W2PP Law and Operation in Air Transport	KZ	3
Development of aviation law. International conventions on civil aviation. International organisations and including of the Czec		
aviation. Execution of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/19	997 Col. Facilitation. Responsibilities of air	carriers for
passengers, luggage and cargo. The safe transport of dangerous goods.		1
S21W2PL Operational Aspects of Aerodromes	KZ	3
Operational aspects of aerodromes. Location of aerodrome and orientation of runways. Requirements for apron. Capacity of	f airports runways and terminals. Operation	n under winte
conditions. Firefighting units. Protection against unlawful interference. Local transport connection. Environmental protection.		
617W2RZ Control of Transport Processes	KZ	3
Theoretical bases, transport system, decomposition, factors influencing control, quality diagnosis, methods of control, syste	ms for decision making support, risk of de	cision making
elematics.		
S15W2SR Stylistics and Rhetorics	KZ	3
Basic skills of oral and written expression as a means of human communication. Basic information about speech, articulatio	n, oral and written language. Teaching to	speak well-vo
organs, voice training. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and v	vritten expression. Practice - cultivating the	skills of spee
615W2TS Technician and Contemporary Society	KZ	3
Why to take off a hat in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know	l l	truo it'o on
winy to take on a hat in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know	or is it enough to turn on a PC, it must be	tiue - it 5 on

Name of the block: Jazyky

Minimal number of credits of the block: 8

The role of the block: J

Code of the group: JZ-N-LA K (1.-4.SEM)

Name of the group: Jazyky navaz.mag. KOMBI studia (1.- 4.sem.) programu LA

Requirement credits in the group: In this group you have to gain 8 credits

Requirement courses in the group: In this group you have to complete 4 courses

Credits in the group: 8

Note on the group:

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
615J2F1	Language - French 1	Z	2	0P+2C+10B	Z	J
615J2I1	Language - Italian 1	Z	2	0P+2C+10B	Z	J
615J2N1	Language - German 1 René Skalický	Z	2	0P+2C+10B	Z	J
615J2R1	Language - Russian 1 Vilma Gottwaldová	Z	2	0P+2C+10B	Z	J
615J2S1	Language - Spanish 1	Z	2	0P+2C+10B	Z	J
615JBF2	Language - French 2	Z	2	0P+2C+10B	L	J
615JBI2	Language - Italian 2	Z	2	0P+2C+10B	L	J

	nguage - German 2 é Skalický, Sv tlana Petrová	Z	2	0P+2C+10B	L	J
615.IBR2 Lar	nguage - Russian 2 a Gottwaldová, Marie Michlová	Z	2	0P+2C+10B	L	J
	nguage - Spanish 2	Z	2	0P+2C+10B	L	J
	nguage - French 3	Z	2	0P+2C+10B	Z	J
	nguage - Italian 3	Z	2	0P+2C+10B	Z	J
615.IBN3 Lar	nguage - German 3	Z	2	0P+2C+10B	Z	J
Ren	é Skalický nguage - Russian 3					
	a Gottwaldová	Z	2	0P+2C+10B	Z	J
615JBS3 Lar	nguage - Spanish 3	Z	2	0P+2C+10B	Z	J
615JBF4 Lar	nguage - French 4	ZK	2	0P+2C+10B	L	J
615JBI4 Lar	nguage - Italian 4	ZK	2	0P+2C+10B	L	J
	nguage - German 4 é Skalický, Sv tlana Petrová	ZK	2	0P+2C+10B	L	J
	nguage - Russian 4 a Gottwaldová, Marie Michlová	ZK	2	0P+2C+10B	L	J
	nguage - Spanish 4	ZK	2	0P+2C+10B	L	J
	rses of this group of Study Plan: Code=JZ-N-LA K (1	<u>'</u>				
.sem.) programu LA 615J2F1 Langua Grammatical Structures and Style.	ge - French 1 Selection of conversation topics relating to transportation sciences. Develo	oping perceptive and co	ommunicat	ive skills, feed	Z back skills, s	2 ummarising
	presentations and meeting minutes, elementary rhetorics of foreign language	ge and practical applica	ation, forma	al and technica	al registers a	nd their use
anguage of management. 615J2I1 Langua	ge - Italian 1				7	2
Grammatical Structures and Style.	Selection of conversation topics relating to transportation sciences. Develo					-
echnical text content, structuring panguage of management.	presentations and meeting minutes, elementary rhetorics of foreign language	ge and practical applica	ation, forma	al and technica	al registers a	nd their use
	ge - German 1				Z	2
Grammatical Structures and Style.	Selection of conversation topics relating to transportation sciences. Develo					
echnical text content, structuring p anguage of management.	presentations and meeting minutes, elementary rhetorics of foreign language	ge and practical applica	ation, forma	al and technica	al registers a	nd their us
	ge - Russian 1				Z	2
	Selection of conversation topics relating to transportation sciences. Developresentations and meeting minutes, elementary rhetorics of foreign language					
anguage of management.	nesentations and meeting minutes, elementary metorics of foreign languag	уе ани ргасисат арриса	ation, ionna	ai and technica	ai registers ai	na men us
, ,	ge - Spanish 1			ı	Z	2
·	Selection of conversation topics relating to transportation sciences. Develoresentations and meeting minutes, elementary rhetorics of foreign language					•
anguage of management.	resemations and meeting minutes, elementary metorics of loreign language	ge and practical applica	ation, ionne	ar aria techinica	ai registers ai	na trien as
	ge - French 2			1	Z	2
	Selection of conversation topics relating to transportation sciences. Develoresentations and meeting minutes, elementary rhetorics of foreign language					-
anguage of management.		go ana praomoar appho			a. 10g.010.0 a.	
, ,	ge - Italian 2			1	Z	2
	Selection of conversation topics relating to transportation sciences. Develoresentations and meeting minutes, elementary rhetorics of foreign language					-
anguage of management.	rosomations and mosting immutes, clotheridary meterios of lordigit language	go ana praotical applica	ation, 101111		ai rogiotoro ai	na trion do
	ge - German 2			l l	Z	2
	Selection of conversation topics relating to transportation sciences. Develoresentations and meeting minutes, elementary rhetorics of foreign language					
anguage of management.	resemble and meeting minutes, elementary meteries of foreign languag	ge and practical applica	ation, ionne	ara teerime	ai registers ai	na trion as
	ge - Russian 2			1	Z	2
	Selection of conversation topics relating to transportation sciences. Develoresentations and meeting minutes, elementary rhetorics of foreign language					
anguage of management.	resemations and meeting minutes, elementary metorics of loreign language	ge and practical applica	ation, ionne	ar aria techinica	ai registers ai	na trien us
S15JBS2 Langua	ge - Spanish 2				Z	2
	Selection of conversation topics relating to transportation sciences. Develoresentations and meeting minutes, elementary rhetorics of foreign language					
echnical text content, structuring particles and an armous text content, structuring particles are senting to the content of t	nessentations and meeting minutes, elementary metorics of foreign langua(у с ани ргасисат арриса	auon, ionna	ai ai iu lechinica	ai registers al	nu unen us
	ge - French 3				Z	2
=	of conversation and professional topics based on the language level and st	-		-	-	_
and perceptive and communicative eatures. Practice of oral and writte	skills, vocabulary development. Basic stylistic forms. Presentation of own	knowledge in oral and	written forr	n. vvork with (բ	protessional)	text and its
and and write	n presentation.					
315JBl3 │Langua					Z	2
Grammar and stylistics. Selection	in presentation. ge - Italian 3 of conversation and professional topics based on the language level and st skills, vocabulary development. Basic stylistic forms. Presentation of own			nent of langua	age structure	knowledge

features. Practice of oral and written presentation.

615JBN3 Language - German 3 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. Language - Russian 3 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. 615JBS3 Language - Spanish 3 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. 615JBF4 Language - French 4 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. 615JBI4 Language - Italian 4 ZK 2 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. 615JBN4 Language - German 4 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. 615JBR4 Language - Russian 4 7K Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation. 615JBS4 Language - Spanish 4 Grammar and stylistics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language structure knowledge and perceptive and communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with (professional) text and its features. Practice of oral and written presentation.

List of courses of this pass:

Code	Name of the course	Completion	Credits
611LIP2	Linear Programming 2	Z,ZK	3
Formulation of the	task of integer programming, branch and bound method of numerical solution, problems about knapsack, travelling salesman, sets, loc	ation of stores and	post boxes
	tasks of scheduling, heuristics, metaheuristics - genetic algorithms, ant colony optimization.		
611STS	Stochastic Systems	Z,ZK	4
•	Is with the problems of mathematical modelling of dynamical systems, estimation od these models and their utilization for prediction. ansportation tasks. Mathematical theory roots from probability and mathematical statistics and they use the methods of the Bayesian		
611TER	Game Theory and Optimal Decision-Making	ZK	2
Decision-making t	heory, utility theory. Explicit form games, backward induction. Normal form games. Antagonistic conflict, matrix games. Repeated gan	nes, evolutionary ga	ame theory.
Cooperative gam	es without transferable payoffs. Cooperative games with transferable payoffs (imputation, core, Shapley value, nucleolus). Application	s of game theory a	bove all in
	economics and transportation.		
611THRO	Queuing Theory	ZK	2
Discrete event prod	cess, definition, random distribution, and probability. Basic processes, process of revitalisation. Markov process, Markov models, Kend	all classification, m	odel M/M/1
mode	els M/M/n. Non-markovian models, model M/C/n, models G/G/n. Models with continuous flow. Service net, examples of Petri net. Com	puter simulation.	
611XN4K	Seminar for Diploma Thesis	Z	8
611XNDM	Master Thesis for study programme LA	Z	18
612XN4K	Seminar for Diploma Thesis	Z	8
612XNDM	Master Thesis for study programme LA	Z	18
614BIG	Big Data	KZ	2
Principle of MapRe	educe, Basic Principles of Big Data Management, Comparison and Classification of NoSQL Databases, Key Database Value Database,	Column Databases	s, Documen
Databases, Graph	Databases-Basic Principles, Graph Databases-Advanced Aspects, Indexing, Interpretation, Advanced Principles Big Data Management	ent, NewSQL Data	base, Cloud
	computing, Data warehouses and Big Data, Cloud computing, Data warehouses and Big Data, Other Big Data issues		
614GISS	Geographical Information Systems	KZ	2
Construction	on of saving format of space-oriented information land-survey and cartography minimum basic tasks of spatial operations principles o	f territorial identifica	ation
614TEL	Telecommunications	KZ	3
Status quo and n	ew trends in telecommunications systems. economical and legal aspects of telecommunications networks design and telecommunications	ations services pro	vissioning,
identification and qu	uantification of hyererchical telecommunications networks and telecommunicatuon services performance based on addopted performance services typically applied within transport and specifically logistic solutions.	parameters, telecor	nmunication
614W2KI	Capital Investment in Transportation and Telecommunications	KZ	3
	Financial market, investment desicion making - long term goals and investment strategies, long term financing	1	l
614XN4K	Seminar for Diploma Thesis	Z	8

614XNDM	Master Thesis for study programme LA	Z	18
615J2A1	Language - English 1	Z	2
Grammatical Structures	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee	edback skills, s	ummarising
echnical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management.	ers and their us	se, languag
615J2F1	Language - French 1	Z	2
	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee		-
echnical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and techni language of management.	cal registers ar	nd their use
615J2I1	Language - Italian 1	Z	2
	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and techni language of management.		-
615J2N1	Language - German 1	Z	2
	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee	edback skills, s	ummarisin
echnical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and techni language of management.	cal registers ar	nd their use
615J2R1	Language - Russian 1	Z	2
Grammatical Structures	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee	edback skills, s	ummarising
echnical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and techni language of management.	cal registers ar	nd their use
615J2S1	Language - Spanish 1	Z	2
Grammatical Structures	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee		
echnical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and techni	cal registers ar	nd their use
0451540	language of management.		
615JBA2	Language - English 2	Z	2
	s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe		
echinical text content, 3	of management.	ers and their us	se, languag
615JBA3	Language - English 3	Z	2
	s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee	edback skills, su	ı ummarising
echnical text content, s	tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe	ers and their us	se, languag
	of management.		_
615JBA4	Language - English 4	ZK	2
Grammatical structures	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee	edback skills, su	ummarising
Grammatical structures	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register.	edback skills, su	ummarising
Grammatical structures echnical text content, s	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management.	edback skills, so ers and their us	ummarising se, languag
Grammatical structures echnical text content, s	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2	edback skills, so ers and their us Z	ummarising se, languag
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical register.	edback skills, so ers and their us Z edback skills, s	ummarising se, languag 2 ummarising
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee	edback skills, so ers and their us Z edback skills, s	ummarising se, languag 2 ummarising
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical register.	edback skills, so ers and their us Z edback skills, s ical registers and Z	ummarisingse, languag 2 ummarising nd their use
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language mmunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with	edback skills, so Z edback skills, so cal registers an Z uage structure	ummarisingse, language 2 ummarising nd their use 2 knowledge
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language in municative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation.	edback skills, so Z edback skills, so cal registers an Z uage structure a (professional)	ummarising se, language 2 ummarising and their use knowledge text and its
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language in municative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4	edback skills, siers and their us Z edback skills, sical registers an Z edback structure a (professional)	ummarising se, language 2 ummarising and their use knowledge text and its
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language relatives. Practice of oral and written presentation. Language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language - French 4	edback skills, sters and their users and their	ummarising se, language 2 ummarising and their use knowledge text and its
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with	edback skills, sters and their users and their	ummarising se, language 2 ummarising and their use knowledge text and its
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language relatives. Practice of oral and written presentation. Language - French 4 s Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language relatives. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language mununicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation.	edback skills, sters and their users and their	2 ummarising te, languag 2 ummarising their use 2 knowledge text and its 2 knowledge
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with	edback skills, siers and their us Z edback skills, sical registers an z edback skills, sical registers z edback skills, sical r	ummarising se, language 2 ummarising and their use knowledge text and its 2 knowledge text and its 2 2
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language relatives. Practice of oral and written presentation. Language - French 4 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language - French 4 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language relative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2	edback skills, siers and their us Z edback skills, sical registers an Z edback structure (professional) ZK edback structure (professional) Z edback skills, siers	ummarising se, language 2 ummarising nd their use text and its 2 knowledge text and its 2 ummarising ummarising
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fee tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language elements of oral and written presentation. Language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language elements of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language elementary rhetorics of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feetureturing presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management.	edback skills, siers and their us Z edback skills, sical registers and Z uuage structure (professional) ZK uuage structure (professional) Z edback skills, sical registers and	ummarising se, language 2 ummarising and their use language text and its language langu
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minumicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - Italian 3	edback skills, siers and their users and registers are a (professional) ZK (uage structure a (professional) Z (uage structure a (professional) Z (uage structure a (professional)	ummarising se, language langua
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical register of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language in the skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language in the skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical register. Language - Italian 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of language of management.	edback skills, siers and their users and registers are a (professional) ZK (professional) Z (professional) Z (professional) Z (professional) Z (professional) Z (professional)	ummarising se, language langua
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical register of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes in the skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - Italian 3 selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes, elementary rhetorics of foreign language and practical application, formal and technical register. Language - Italian 3 selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes, elementary	edback skills, siers and their users and registers are a (professional) ZK (professional) Z (professional) Z (professional) Z (professional) Z (professional) Z (professional)	ummarising se, language langua
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - Italian 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation.	edback skills, siers and their users and registers are professional) ZK auage structure and (professional) Z adback skills, sical registers are call registers are call usage structure and (professional)	ummarising se, language langua
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical regists of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes, elementary stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes in the second of	edback skills, siers and their users and registers and their users are also and their users	ummarising se, language sext and its sext an
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registe of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - Italian 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation.	edback skills, siers and their users and registers and z z z z z z z z z z z z z z z z z z z	ummarising se, language sext and its sext an
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical regists of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes will, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes will, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - Italian 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes will be said to the professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes will be said to the presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italia	edback skills, siers and their users and registers and z z z z z z z z z z z z z z z z z z z	ummarising se, language langua
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical regists of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 s. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feeture tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical representations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical representations and professional topics based on the language level and study focus at the Faculty. Improvement of lang minuticative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - I	edback skills, siers and their users and registers and z z z z z z z z z z z z z z z z z z z	ummarising se, language sext and its sext an
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical regists of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang numunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang municative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feature tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical naguage of management. Language - Italian 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang municative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 4 . Selection of conversation and professional topics based on the l	edback skills, siers and their users and registers and z z z z z z z z z z z z z z z z z z z	ummarising se, language sext and its sext an
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBN2 Grammatical Structures and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical regists of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical negation of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes with skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feature. Practice of oral and written presentation. Language of management. Language - Italian 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minutes, elementary rhetorics of foreign language and practical application, formal and technical properties and professional topics based on the language level and study focus at the Faculty. Improvement of lang minute skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 4 S	edback skills, siers and their users and registers and their users are the professional) ZK and the professional and	ummarising se, language sext and its sext an
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBF4 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBN2 Grammatical Structures and cor 615JBN2 Grammatical Structures and perceptive and cor	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical registre of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical nanguage of management. Language - French 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical nanguage of management. Language - Italian 3 . Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 4 . Selection of conversation and professional topics based on th	edback skills, siers and their users and registers and their users are the professional) ZK and the professional and	ummarising se, language se
Grammatical structures echnical text content, s 615JBF2 Grammatical Structures echnical text content, s 615JBF3 Grammar and stylistics and perceptive and cor 615JBI2 Grammatical Structures echnical text content, s 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI3 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBI4 Grammar and stylistics and perceptive and cor 615JBN2 Grammatical Structures echnical text content, s	Language - English 4 s and style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register of management. Language - French 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language of management. Language - French 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - French 4 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 2 s and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, feet tructuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technical language - Italian 3 Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of lang minunicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work with features. Practice of oral and written presentation. Language - Italian 4 Selection of conversation and professional topics based on the language level and study f	edback skills, siers and their users and registers and their users are also and their users	ummarising se, language se, lan

615JBN4	Language - German 4	ZK	2
Frammar and styli	tanguage - German 4 stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of la		1
-	I communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work v		_
ara porooparo am	features. Practice of oral and written presentation.	····· (p. 0.000.01.a.,	,
615JBR2	Language - Russian 2	Z	2
	tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills,	-	1
	nt, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec		
	language of management.	· ·	
615JBR3	Language - Russian 3	Z	2
	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of la		1
-	I communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work v		
	features. Practice of oral and written presentation.		
615JBR4	Language - Russian 4	ZK	2
Frammar and styli	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of la	anguage structure	knowled
nd perceptive and	communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work v	vith (professional	text and
	features. Practice of oral and written presentation.		
615JBS2	Language - Spanish 2	Z	2
rammatical Struc	tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills,	feedback skills, s	ummarisi
chnical text conte	nt, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tec	hnical registers a	nd their u
	language of management.		
615JBS3	Language - Spanish 3	Z	2
rammar and styli	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of la	anguage structure	knowled
nd perceptive and	communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work w	vith (professional	text and
	features. Practice of oral and written presentation.		
615JBS4	Language - Spanish 4	ZK	2
rammar and styli	stics. Selection of conversation and professional topics based on the language level and study focus at the Faculty. Improvement of la	anguage structure	knowled
nd perceptive and	l communicative skills, vocabulary development. Basic stylistic forms. Presentation of own knowledge in oral and written form. Work v	vith (professional	text and
	features. Practice of oral and written presentation.		_
615W2HS	Road Transport History	ΚZ	3
oads and road tr	iffic in the Ancient Age, corridors of main mediveal pathways. Development of road traffic in the modern period, acceleration of road t	ransport develop	ment duri
st part of 20th cer	tury. Development of road layout, geometric and construction layers. Beginning of modern road civil engineering. Development of roa	d travelling in mo	dern peri
	History of road intercections, bridges and traffic control, development of road signs.		Т
615W2MS	Sociology for Managers	ΚZ	3
	each to a corporation. Corporation and its organization. Corporation and its running - human role and communication. Corporation, its		ial system
	uman's work position in free market economy. Corporate directorship, work groups, adaptation, strife, different roles and positions in	•	_
615W2OZ	Health Protection in Transportation and EU	ΚZ	3
Health protection	in transportation in CR in the past and present. Conditions before 1989 and after, current legislature, future prospects. Harmonisatior	n of legislation wit	th other E
	members. Fundamental principles of health protection and support in selected EU countries.		
615W2PT	Food in Transportation	ΚZ	3
he nutrition policy	Interaction transportation and foodstuffs. The health risks. Hygienic safeguard. The practical examples from the Czech Republic and	from the world. T	he issues
	dining cars, work trains and other railroad equipment. Legislation.		1
615W2SR	Stylistics and Rhetorics		3
		KZ	1
	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language.	. Teaching to spe	
		. Teaching to spe	
gans, voice trainii 615W2TS	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language ig. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society	Teaching to specultivating the ski	lls of spee
gans, voice trainii 615W2TS	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language in Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society at in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a F	Teaching to specultivating the ski	lls of spee
gans, voice training 615W2TS why to take off a ha	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language ig. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society	Teaching to specultivating the ski	lls of spee
gans, voice trainii 615W2TS	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language in Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society at in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a F	Teaching to specultivating the ski	lls of spee
gans, voice training 615W2TS hy to take off a ha	Indivirted expression as a means of human communication. Basic information about speech, articulation, oral and written language in Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of Internet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis	Teaching to specultivating the ski KZ PC, it must be true	lls of spee 3 e - it's on
gans, voice training 615W2TS hy to take off a hace 615XN4K 615XNDM	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language of Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of Internet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA	Teaching to speculitivating the ski KZ PC, it must be true Z Z	3 a - it's on 8
gans, voice training 615W2TS hy to take off a his 615XN4K 615XNDM 616XN4K	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language age. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z	3 a - it's on 8 18 8
gans, voice training 615W2TS hy to take off a his 615XN4K 615XNDM 616XN4K 616XNDM	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language age. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of Internet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Master Thesis for study programme LA	Teaching to speculitivating the skirk KZ PC, it must be true Z Z Z Z	3 e - it's on 8 18 8 18
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Internet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z KZ KZ	3 e - it's on 8 18 8 18 2
gans, voice training 615W2TS only to take off a hase 615XN4K 615XNDM 616XNDM 616XNDM 617AMAK categic marketing	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of marketing tools in transport industry Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and relate	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z KZ ed lead generation	3 3 3 3 3 3 3 3 3 3
gans, voice training 615W2TS only to take off a hase 615XN4K 615XNDM 616XNDM 616XNDM 617AMAK categic marketing 617DOCH	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of Internet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related Travel Behavior	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z KZ ed lead generation KZ	3 3 6 18 6 18 18 18 2 10 10 10 10 10 10 10
gans, voice training from the first state of the fi	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation of Internet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; contents and the pragmatic aspects of the programme of the pragmatic aspects of the programme of the pragmatic aspects. Practice of the pragmatic aspects of the pragmatic aspects of the pragmatic aspects. Practice of the pragmatic aspects of the pragmatic aspects of the pragmatic aspects. Practice of the pragmatic aspects of the pragmatic aspects of the pragmatic aspects. Practice of the pragmatic aspects of t	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z KZ ed lead generation KZ design of research	Is of speed 3 a e - it's on 8 8 8 8 18 2 n campaiging 3 a n instrume
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK ategic marketing 617DOCH vestigation of cal	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; co. Analysis and interpretation of feaults: effect size, practice.	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z KZ ed lead generation KZ design of research	Is of speed 3 a e - it's on 8 8 8 8 18 2 n campaig 3 h instrume
gans, voice training fans, voice training fans, voice training fans fans fans fans fans fans fans fans	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related to Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; co.). Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation of results: effect size, practice Analysis and interpretation.	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z KZ ed lead generation KZ design of research sal vs. statistical seculitizations and specific content of the statement of the	Is of speed 3 a - it's on 8 8 18 2 n campaign 3 n instrume ignificance
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK ategic marketing 617DOCH vestigation of called data collection 617DOPM	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related to Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; co.). Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation Planning and Modeling	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	Ils of speed 3 a e - it's on 8 8 18 8 18 2 n campaiging instrume ignificance 6
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK rategic marketing 617DOCH vestigation of called data collection 617DOPM	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related to travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; co.). Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation. Transportation Planning and Modeling Is used within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urban and suppose the programme and	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	Ils of speed 3 a e - it's on 8 8 18 8 18 2 n campaiging instrume ignificance 6
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK ategic marketing 617DOCH evestigation of called data collection 617DOPM usic steps and to 615W2TS by the first of the first	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice - oral Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related to travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; co.). Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation. Transportation Planning and Modeling Discussed within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urban and transportation planning and modelling.	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	Is of speed 3 a e - it's on 8 8 18 8 18 2 n campaiging instrume ignificance 6 ew trends
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK 617AMAK 617DOCH westigation of called data collection 617DOPM asic steps and to 617KMDK	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language and the pragmatic aspect. Creative thought and its oral and written expression. Practice of Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and relate Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; of Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation Planning and Modeling Isaal within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urban are transportation planning and modelling. Quantitative Methods in Transport	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z KZ ed lead generation KZ design of research cal vs. statistical states, land use. Note T,ZK	Ils of speed 3 a e - it's on 8 8 18 8 18 2 n campaig 3 n instrume ignificance 6 ew trends
gans, voice training and spans, voice training and to take off a his off a his off a his off and the spans of	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language. Index and contemporary society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Faranteer and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related and experimental and experimental approaches). Data collection (theory of measurement; of the Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation of the control of the	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z KZ ed lead generation KZ design of research all vs. statistical states, land use. Not S,ZK problems are for	Is of speed 3 a e - it's on 8 8 18 8 18 2 n campaign instrume ignificance 6 ew trends 7 mulated a
gans, voice training and specific process. The specific process of the specific process of the specific process. The specific process of the specific process of the specific process of the specific process. The specific process of the specific process of the specific process. The specific process of the specific process of the specific process. The specific process of t	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language grading. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - or Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related to the state of the use of undirected graphs tree type, planar graphs and their coloring. Further distribution problems, facility location dels of integer linear programming. Besides the use of exact methods there are described simple and also more sofisticated heuristic.	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Ed lead generation KZ design of research all vs. statistical states, land use. No Z,ZK a problems are forces (metaheuristic)	Is of speed 3 a e - it's on 8 18 18 8 18 2 n campaign 3 h instrume ignificance 6 ew trends 7 rmulated a s) methods
gans, voice training 615W2TS by to take off a his 615XN4K 615XNDM 616XN4K 616XNDM 617AMAK 616TDOCH assic steps and to 617KMDK in course focuses olved such as more 617LSC	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language. I Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and relate Travel Behavior Istal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; of the coloring). Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practic Analysis and interpretation. Transportation Planning and Modeling Istals within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urban and transportation planning and modelling. Quantitative Methods in Transport on the issue of the use of undirected graphs tree type, planar graphs and their coloring. Further distribution problems, facility location dels of integer linear programming. Besides the use of exact methods there are described simple and also more sofisticated heuristic Logistics in Smart Cities	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z design of research all vs. statistical states, land use. No Z,ZK a problems are forces (metaheuristic Z,ZK)	Ils of spee
gans, voice training and colored and color	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language. In a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and relate Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; or analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practic Analysis and interpretation. Transportation Planning and Modeling Is used within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urban and transportation planning and modelling. Quantitative Methods in Transport on the issue of the use of undirected graphs tree type, planar graphs and their coloring. Further distribution problems, facility location dels of integer linear programming. Besides the use of exact methods there are described simple and also more sofisticated heuristic Logistics in Smart Cities es in time, city and region, mobility of city residents and movement of goods, sustainability as a concept, Smart Cities, city as a system	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Edelead generation KZ design of research all vs. statistical statistic	Ils of speed 3 a e - it's on 8 8 18 8 18 2 n campaign ignificance 6 ew trends 7 rmulated a s) method 6 nents, qua
gans, voice training and colored and color	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language in the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related the state of the search (quasi-experimental and experimental approaches). Data collection (theory of measurement; contained in the pretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation of the substitution of the subst	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Edelead generation KZ design of research all vs. statistical statistic	Ils of spee
gans, voice training and solved such as more of the course focuses olved such as more of the course focuses olved such as more of the course focuses olved such as more of the course for the course focuses olved such as more of the course focuses of the course focus of the course	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language. G. Language semantics, language syntactic and the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Finternet and in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and relate Travel Behavior Isaal effects in travel behavior research (quasi-experimental and experimental approaches). Data collection (theory of measurement; of the Analysis and interpretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practic Analysis and interpretation Planning and Modeling Isal sused within four step model (trip generation, trip distribution, mode choice and trip distribution). Mobility and availability in urban and transportation planning and modelling. Quantitative Methods in Transport On the issue of the use of undirected graphs tree type, planar graphs and their coloring. Further distribution problems, facility location dels of integer linear programming. Besides the use of exact methods there are described simple and also more sofisticated heuristic Logistics in Smart Cities as in time, city and region, mobility of city residents and movement of goods, sustainability as a concept, Smart Cities, city as a systellity of life, city "smartness" assessment, legislation in Smart Cities, Smart Cities transformation, last mile logistics, e-commerce, new application of the proper since the progra	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z design of research all vs. statistical states, land use. No S Z,ZK reas, land use. No S Z,ZK reas of (metaheuristic Z,ZK m and its composition of the states)	Ils of spee
ans, voice training ans, voice training ans, voice training and the second and th	and written expression as a means of human communication. Basic information about speech, articulation, oral and written language in the pragmatic aspect. Creative thought and its oral and written expression. Practice - Technician and Contemporary Society It in a room and open a door for a lady, are there simple solutions, science vs belief, do we need to know or is it enough to turn on a Foundation in newspapers, what are the sights for, interest in public affairs - a hangover from the past? Seminar for Diploma Thesis Master Thesis for study programme LA Seminar for Diploma Thesis Master Thesis for study programme LA Aplication of marketing tools in transport industry plans, Implementation of marketing campaigns, Branding and brand promotion, Multimedia presentations, Direct marketing and related the state of the search (quasi-experimental and experimental approaches). Data collection (theory of measurement; contained in the pretation of data (advanced regression models; issues of analysis and interpretation of results: effect size, practice Analysis and interpretation of the substitution of the subst	Teaching to speculitivating the ski KZ PC, it must be true Z Z Z Z Z design of research all vs. statistical states, land use. No Sign of the same are forces (metaheuristic Z,ZK) and its componences in last it KZ	Sof speed 3

617MID	Managerial Information Systems in Transport	Z,ZK	3
	n building IS of modern transport company. New EU legislation on cyber security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations in the security and data protection puts transport organizations are security and data protection puts transport organizations are security and data protection puts transport organizations are security and data protection are security are security and data protection are security		- 1
course focuses on f	the security of IS and possible sources of danger. The practical part deals with the process of building a new IS from the idea through budget, the basic documents for the possible assignment of the contract.	the timetable and t	the financial
617PPC	Carriage Processes	ZK	3
01/11/0	Domestic carriages, international carriages, nomenclature of goods, pricing, contracting, responsibility for damages.	۱ کار	3
617RKOP	Management of commercial projects in transport	Z,ZK	3
	customer, activities, output - quality, time, money), project surroundings, location of the project (area analysis, traffic flows, authorizati	· 1	-
	ject, sources of financing, customer-supplier relations, feasibility studies, sensitivity and multi-criteria analysis, financial and value an		
	changes.		
617RVIP	Public project management in transport	Z,ZK	5
Basic concepts of p	project management in the public sector, used procedures and standards of project management, organizational structure in project management in the public sector, used procedures and standards of project management, organizational structure in project management.		ublic sector,
	project and pre-project preparation in transport and transport infrastructure and their specifics, feasibility study and CBA, project events and pre-project preparation in transport and transport infrastructure and their specifics, feasibility study and CBA, project events and pre-project preparation in transport and transport infrastructure and their specifics, feasibility study and CBA, project events and pre-project preparation in transport and transport infrastructure and their specifics, feasibility study and CBA, project events are project events and pre-project preparation in transport and transport infrastructure and their specifics, feasibility study and CBA, project events are project events and pre-project events are project events.		
617TSI	Technology of Road Transport	KZ	2
	ational, technical, logistic and safety conditions of road transport, basic transport technologies, special transport, international agreen pecialization of transport, handling and loading/unloading means, maintenance, service and repairs of road vehicles, safety of road tr		
parameters and sp	transport unit.	ansport and choice	or optimal
617TZNK	Technology of Railway Transport	Z,ZK	5
	v assesment, model operational situation with a system running time between IPT-nodes, calculation of traction energy savings comp	' '	
for designing of fle	eeting crossing station, solving of capacity problem and blocking time in relation to train protection system, robustness of timetable, sy	ystem concept of fi	reight train
	paths, guidelines for centralised operational traffic control and management		
617TZOK	Inventory, Replacement and Scheduling Theory	Z,ZK	4
	- introduction, static models, deterministic dynamic models, stochastic dynamic models Replacement theory - introduction, models for	•	
deteriorate with time	e, models for replacement of items that fail completely Scheduling theory - introduction, single machine scheduling problems, parallel inflow shop scheduling problems and job shop scheduling problems	machine schedulin	g problems,
617W2AM	Application of Marketing Tools in Transportation	KZ	3
-	marketing principles in transport issues, marketing tools suitable for transport, case studies of the use of marketing in the sphere of principles in transport issues, marketing tools suitable for transport, case studies of the use of marketing in the sphere of principles in transport issues, marketing tools suitable for transport, case studies of the use of marketing in the sphere of principles in transport issues.	l l	
617W2FM	Financing in Urban Mass Transportation	KZ	3
	evelopment in Prague and other cities in the world. Building and operation of public tram, bus, and trolleybus networks. Underground		
UMT types. UMT of	development in small towns. Particularities of investment and operation financing of individual UMT types. Historic and present models	s of UMT financing	J. Transport
	inspection and blind passengers. Tourism & DMT. UMT typology & Dispersion and blind passengers. Tourism & DMT. UMT typology &		
617W2RZ	Control of Transport Processes	KZ	3
Theoretical bases	, transport system, decomposition, factors influencing control, quality diagnosis, methods of control, systems for decision making sup	port, risk of decision	on making,
CAZVNAK	telematics.	7	0
617XN4K	Seminar for Diploma Thesis	Z Z	8
617XNDM	Master Thesis for study programme LA	Z	18
618XN4K 618XNDM	Seminar for Diploma Thesis Master Thesis for study programme LA	Z	8 18
620XN4K		Z	8
	Seminar for Diploma Thesis	Z	
620XNDM	Master Thesis for study programme LA	KZ	18 3
621W2CR	CRM M. Analysis of air accidents. Human factor. Error. Historical development of CRM. Health and fitness. Stress and its effect on the hum		- 1
	nformation Processing. Situational Awareness. Workload Management. Decision Making. Communication. Leadership & Decision Making. Communication. Leadership & Decision Making. Communication. Leadership & Decision Making. Communication.	, ,	
621W2FM	Aviation Company Financial Management	KZ	3
	orate finance - financial statements, budget, forecast. Financial policy of the company. Financial resources - long-term financial resources	I	
	earnings, shares, bonds, loans, leasing, capital. Financial and economic analysis of the company - structure and content.		
621W2LS	Air Traffic Services	KZ	3
Airspace structure	e in Czech Republic and other countries. Introduction and description of ATS units in Czech Republic. Practical examples of TWR, AP	P a ACC control. F	Procedural
00411/01/40	and radar control. Incidents caused or partially caused by ATS. History of ATS and Czech airspace.	1/7	
621W2MC	CNS Systems Modelling	KZ	3
621W2PL	Operational Aspects of Aerodromes	KZ	3
operational aspec	ets of aerodromes. Location of aerodrome and orientation of runways. Requirements for apron. Capacity of airports runways and term conditions. Firefighting units. Protection against unlawful interference. Local transport connection. Environmental protection		iuci Willel
621W2PP	Law and Operation in Air Transport	KZ	3
	iation law. International conventions on civil aviation. International organisations and including of the Czech Republic in these organis		
	on of state administration and state supervision in matters of civil aviation, in accordance with Act No. 49/1997 Col. Facilitation. Response	_	
	passengers, luggage and cargo. The safe transport of dangerous goods.	,	
621XN4K	Seminar for Diploma Thesis	Z	8
621XNDM	Master Thesis for study programme LA	Z	18
622XN4K	Seminar for Diploma Thesis	Z	8
622XNDM	Master Thesis for study programme LA	Z	18
623XN4K	Seminar for Diploma Thesis"	Z	8

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2024-05-17, time 07:36.

623XNDM

Master Thesis for study programme LA