Recomended pass through the study plan

Name of the pass:

Faculty/Institute/Others:

Department:

Pass through the study plan: Master Full-Time DS from 2024/25 Branch of study guranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Transportation Systems and Technology

Type of study: Follow-up master full-time

Note on the pass:

Coding of roles of courses and groups of courses:

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

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

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

Number of semester: 1

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

Number of semester: 2

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
622AMMD	Measuring Methods Applied to Transportation	KZ	4	1P+3C	L	Z
615JBA2	Language - English 2	Z	2	0P+2C+10B	L	Z
612NAPI	Design and Maintenance of Transportation Structures	Z,ZK	4	2P+2C	L	Z
616PDP	Principles of Vehicle Design	ZK	2	2P+0C+8B	L	Z
612UMUP	Sustainable Mobility and Land - Use Planning	Z,ZK	5	2P+2C	L	ZP

612ZSUZ	Railway Stations and Centres	Z,ZK	3	2P+1C	L	Z
X2-NP-DS-24/25-DC	Projekty Mgr. prezenční DS od 2024/25 622XN1,621XN1, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 13/13			ZP
2S-NP-DS-V1-24/25-DC	2. sem. Mgr. prezenční DS výběr předmětu od 2024/25 612BED,618TEAM	Min. cours. 1 Max. cours. 1	Min/Max 4/4			Z
JZ-NP-DS-24/25-DC	Jazyky Mgr. prezenční DS od 2024/25 615J2F1,615JBF2, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 8/8			J
Y2-NP-DS-24/25-DC	PVP-B Mgr. prezenční DS od 2024/25 612Y2KS,612Y2MD	Min. cours. 3 Max. cours. 3	Min/Max 6/6			PV

Number of semester: 3

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
612DAZP	Transport and Environment Tomáš Javořík	Z,ZK	4	2P+1C	Z	Z
615JBA3	Language - English 3 Jan Feit	Z	2	0P+2C+10B	Z	Z
611STS	Stochastic Systems Ivan Nagy, Pavla Pecherková Ivan Nagy (Gar.)	Z,ZK	4	2P+2C+14B	Z	ZP
612TEAP	Theory of Road Traffic Operation Vladimír Faltus, Zuzana Čarská Vladimír Faltus (Gar.)	Z,ZK	7	3P+2C	Z	Z
612VRZ	High Speed Rail Transport Lukáš Týta, Martin Ráž Lukáš Týta (Gar.)	KZ	3	2P+0C	Z	Z
X2-NP-DS-24/25-DC	Projekty Mgr. prezenční DS od 2024/25 622XN1,621XN1, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 13/13			ZP
3S-NP-DS-V1-25/26-DC	3. sem. Mgr. prezenční DS výběr předmětu od 2025/26 612IDOS,616STK	Min. cours. 1 Max. cours. 1	Min/Max 3/3			Z
JZ-NP-DS-24/25-DC	Jazyky Mgr. prezenční DS od 2024/25 615J2F1,615JBF2, (see the list of groups below)	Min. cours. 4 Max. cours. 4	Min/Max 8/8			J
Y2-NP-DS-24/25-DC	PVP-B Mgr. prezenční DS od 2024/25 612Y2KS,612Y2MD	Min. cours. 3 Max. cours. 3	Min/Max 6/6			PV

Number of semester: 4

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
615JBA4	Language - English 4	ZK	2	0P+2C+10B	L	Z

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			Min. cours.				
	XD-NP-DS-25/26-DC	DP Mgr. prezenční DS od od 2025/26	1	Min/Max		7	
	XD-NF-D3-25/26-DC	611XNDD,612XNDD, (see the list of groups below)	Max. cours.	18/18			
		1					
Ì	Y2-NP-DS-24/25-DC Projekty Mgr. prezenční DS od 2024/25	Min. cours.				1	
		4	Min/Max				
	X2-NP-DS-24/25-DC	622XN1,621XN1, (see the list of groups below)	Max. cours.	13/13		ZP	
			4				
Ì			Min. cours.				٦
	17 ND DC 04/05 DC	IZ-NP-DS-24/25-DC Jazyky Mgr. prezenční DS od 2024/25	4	Min/Max			
	JZ-NP-DS-24/25-DC	615J2F1,615JBF2, (see the list of groups below)	Max. cours.	8/8		J	
			4				

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

Kód		Name of the group group (for specifical	of courses ar	nd codes of members of this or below the list of courses	Com	pletion	Credit	s Scope	Semester	Role
1S-NP-DS-	V1-24/25-DC	1. sem. Mgr. pre	zenční DS výl	oěr předmětu od 2024/25		cours. 1 . cours. 1	Min/Ma 4/4	x		z
617DOPD	Transporta	tion Planning and Mode	617TZND	Technology of Railway Transport					1	
	V1-24/25-DC			pěr předmětu od 2024/25		cours. 1 . cours. 1	Min/Ma 4/4	x		z
612BED	Road Safe	ty Audit	618TEAM	Theoretical and Applied Mechanic						
3S-NP-DS-	V1-25/26-DC	3. sem. Mgr. pre	zenční DS výl	oěr předmětu od 2025/26		cours. 1 . cours. 1	Min/Ma 3/3	ıx		z
0401000	1 1-44	T	CACCTIC	Circulation and Tration of Makin		1				
612IDOS	Integrated	Transport Systems	616STK	Simulation and Testing of Vehicl	1	cours.	Min/Ma	Y		
JZ-NP-DS	S-24/25-DC	Jazyky	Mgr. prezenčr	ní DS od 2024/25	Max	. cours. 4	8/8			J
615J2F1	Language	- French 1	615JBF2	Language - French 2		615JBF3	3 1	l _anguage - Fi	rench 3	
615JBF4	Language		615J2I1	Language - Italian 1		615JBI2		_anguage - Ita		
615JBI3	Language	- Italian 3	615JBI4	Language - Italian 4		615J2N1	1	anguage - G	erman 1	
615JBN2	Language	- German 2	615JBN3	Language - German 3		615JBN4	4 1	anguage - G	erman 4	
615J2R1	Language	- Russian 1	615JBR2	Language - Russian 2		615JBR	3 1	anguage - R	ussian 3	
615JBR4	Language	- Russian 4	615J2S1	Language - Spanish 1		615JBS2	2	-anguage - S	panish 2	
615JBS3	Language	- Spanish 3	615JBS4	Language - Spanish 4						
X2-NP-DS	S-24/25-DC	Projekty	Mgr. prezenč	ní DS od 2024/25		cours. 4 cours.	Min/Ma	x		ZP
						4				
622XN1	Master Pro	l piect 1	621XN1	Master Project 1		614XN1	<u> </u>	 Master Projec	<u> </u> :t 1	
611XN1	Master Pro	<u> </u>	617XN1	Master Project 1		612XN1		Master Projec		
620XN1	Master Pro	<u>′</u>	618XN1	Master Project 1		616XN1		Master Projec		
615XN1	Master Pro	<u> </u>	616XN2	Master Project 2		615XN2		Master Projec		
622XN2	Master Pro	<u> </u>	614XN2	Master Project 2		612XN2		Master Projec		
611XN2	Master Pro	oject 2	621XN2	Master Project 2		617XN2		Master Projec		
620XN2	Master Pro	oject 2	618XN2	Master Project 2		618XN3		Master Projec		
617XN3	Master Pro	<u>- </u>	616XN3	Master Project 3		612XN3		Master Projec		
611XN3	Master Pro	•	614XN3	Master Project 3		622XN3		Master Projec		
615XN3	Master Pro	•	621XN3	Master Project 3		620XN3		Master Projec		
616XN4	Master Pro	,	614XN4	Master Project 4		621XN4		Master Projec		
612XN4	Master Pro	oject 4	618XN4	Master Project 4		615XN4		Master Projec	et 4	

612Y2KS	Rail Transp	ort in Settlements an	612Y2MD	Methods of Traffic Regulation an						
Y2-NP-DS-2				DS od 2024/25	Max	cours. 3 cours. 3	Min/M 6/6	ax		PV
622XNDD	Master The	esis for study programm								
618XNDD	Master The	esis for study programm	620XNDD	Master Thesis for study programm		621XND	D	Master Thesis for study programm		
615XNDD	Master The	esis for study programm	616XNDD Master Thesis for study programm 617XNDD Master		Master Thesis for study programm					
611XNDD	Master The	esis for study programm	612XNDD	12XNDD Master Thesis for study programm		614XND	Ď	Master Thesis	for study prog	ramm
XD-NP-DS-	25/26-DC	DP Mgr. p	rezenční DS	od od 2025/26		cours. 1 cours. 1	Min/M			z
622XN4	Master Pro	ject 4				•				
620XN4	Master Pro	ject 4	611XN4	Master Project 4		617XN4		Master Project	t 4	

List of courses of this pass:

Code	Name of the course	Completion	Credits
611STS	Stochastic Systems	Z,ZK	4
The subject dea	uls with the problems of mathematical modelling of dynamical systems, estimation od these models and their utilization for prediction.	The results are illus	strated on
practical tr	ansportation tasks. Mathematical theory roots from probability and mathematical statistics and they use the methods of the Bayesian	probabilistic appro	ach.
611XN1	Master Project 1	Z	2
611XN2	Master Project 2	Z	2
611XN3	Master Project 3	Z	1
611XN4	Master Project 4	Z	8
611XNDD	Master Thesis for study programme DS	Z	18
612BED	Road Safety Audit	Z,ZK	4
	ications of safety assessments (especially Road Safety Audit, Road Safety Inspection) during the process of preparations, and of the	1 '	
	ald minimize traffic accident risks for all those who take part in road traffic. Application of European Directive 2008/96/EC on road safe		
612DAZP	Transport and Environment	Z.ZK	4
•	the impact of transport on environment. The accent is put mainly on noise and vibration, emission, barrier effect and energy demands.	1 '	ı y is part and
	parcel of this course.		,
612IDOS	Integrated Transport Systems	ZK	3
Reasons for buil	ding of integrated transport systems, principle of integration, dividing of integration methods, traffic, infrastructure, technical, organization	tional methods, inte	egration of
	tariff, sales systems, information systems, marketing of system, examples of non-integration.		
612IKD	Rail Transport Infrastructure	Z,ZK	5
Non-compensated	lateral acceleration, parameters eduction for transition curve and cant transition, curves without straight, track spacing change. Track det	ailed construction.	Substructure
	design, slab track. Tram-train. Interoperability. Noise precautions. Railway line modernization for non-tilting and tilting train	S.	
612NAPI	Design and Maintenance of Transportation Structures	Z,ZK	4
Design and cons	truction of cement-concrete pavements and their maintenance. Construction of bridge objects, examples and choice of bridge constr	uction materials. Co	nstruction
	and operation of tunnels.		
612TEAP	Theory of Road Traffic Operation	Z,ZK	7
Traffic paramet	ers and their measurement, acquisition and processing. Road capacity analysis. Theoretical foundations and applications of mathema	atical models - mac	roscopic,
statistical and m	nicroscopic traffic models. Theory of traffic management. Traffic light signals, roundabouts, coordination, public transport priority. Urba	n and highway man	agement.
	Traffic excesses management. Road assessment and maintenance methods. Health risks assessment.		ı
612TKVP	Highway Engineering Materials	Z,ZK	4
The theory of roa	ad construction - Material Aspects. The course emphasizes the development of road construction from the beginning of the 20th century	iry to the present, f	ocusing on
	materials, understanding the production and placing of asphalt mixtures.		
612UMUP	Sustainable Mobility and Land - Use Planning	Z,ZK	5
	- objectives and tasks, development over time. Land-use planning tools. SUMP. Territorial and transport planning context. Ways of urt	-	
transport. Basic pr	rinciples of the transport solution. The impact of transport on the size and shape of the city, on the development of the street and the s	quare and the road	ls. Solutions
	for pedestrian and bicycle transport. Suburbanization and transport. City economics.		
612VRZ	High Speed Rail Transport	KZ	3
• .	y (HSR) transport characteristics and position in transportation system. Types / models of HSR systems, preparation of high speed rai		
nepublic condition	ns. Non-adhesion HSR systems. City and region traffic service by HSR. HSR operating points. HSR worldwide network. HSR routing a of HSR track construction and layout track parameteres.	пи паше сопсерис	ni. Specifics
			_
612YN1	Master Project 1		ו ס
612XN1	Master Project 1	Z	2
612XN2	Master Project 2	Z	2
	,		_

612XNDD	Master Thesis for study programs DC	7	40
	Master Thesis for study programme DS	Z	18
612Y2KS	Rail Transport in Settlements and Regions development of railway infrastructure in Czech Republic. Arrangement of railway networks and junctions. Suburban railway services.	KZ	2
	ation of metro systems. Network configuration and operation of tram systems. Special thematic lectures (rail transport in selected coun	_	uralion and
612Y2MD	Methods of Traffic Regulation and Prediction	KZ	2
	prognosis, traffic prognosis for large area (calculation of future traffic volumes, calculation of future traffic volumes between areas (analogous)		I
•	modal split, traffic distribution to road network). Shock wave in traffic flow. Service levels and their traffic volumes. Acceleration no		
612ZSUZ	Railway Stations and Centres	Z,ZK	3
Equipment for pass	senger transport. Platform construction. Access roads to platforms. Modification of railway stations according to the TSI PRM. Station he	eads design. Var	iant solutions
	of station heads for current ride. Junction stations. Crossing stations. Passenger stations. Moving stations. Public transport termin	nals.	
614GISS	Geographical Information Systems	KZ	2
	n of saving format of space-oriented information land-survey and cartography minimum basic tasks of spatial operations principles of t		
614XN1	Master Project 1	Z	2
614XN2	Master Project 2	Z	2
614XN3	Master Project 3	Z	1
614XN4	Master Project 4	Z	8
614XNDD	Master Thesis for study programme DS	Z	18
615J2A1	Language - English 1	Z	2
	ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, f		_
technical text conte	ent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical regis	sters and their u	se, language
615J2F1	of management. Language - French 1	Z	2
	Language - Prench I ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, f	_	1
	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech		•
	language of management.	J 7 -	,
615J2I1	Language - Italian 1	Z	2
	ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, if		
technical text conte	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech	nical registers a	and their use,
	language of management.		
615J2N1	Language - German 1	Z	2
	ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, f	reedback skills, s	_
	ant etructuring procentations and mosting minutes, alementary rhotories of toroign language and practical application, termal and toch	nical registers a	nd thair usa
	ent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech	nnical registers a	ınd their use,
	language of management.		
615J2R1	language of management. Language - Russian 1	Z	2
615J2R1 Grammatical Struc	language of management.	Z feedback skills, s	2 summarising
615J2R1 Grammatical Structechnical text conte	language of management. Language - Russian 1 tures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, f	Z feedback skills, s	2 summarising
615J2R1 Grammatical Structechnical text control	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and technology language of management. Language - Spanish 1	Z feedback skills, s nnical registers a	2 summarising and their use,
615J2R1 Grammatical Structechnical text control 615J2S1 Grammatical Struct	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - Spanish 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, for the second sciences in the second science i	Z feedback skills, s inical registers a Z feedback skills, s	2 gummarising and their use, 2 gummarising
615J2R1 Grammatical Structechnical text control 615J2S1 Grammatical Struct	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - Spanish 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech	Z feedback skills, s inical registers a Z feedback skills, s	2 summarising and their use, 2 summarising
615J2R1 Grammatical Structechnical text contents 615J2S1 Grammatical Structechnical text contents	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - Spanish 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.	Z feedback skills, s inical registers a Z feedback skills, s inical registers a	2 summarising and their use, 2 summarising and their use,
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615J2R1 Grammatical Structechnical text contechnical text contechnical Structechnical text contechnical text contechnical text contechnical text contechnical Structechnical Structechnica	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - Spanish 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management.	Z feedback skills, s anical registers a Z feedback skills, s anical registers a Z feedback skills, s	2 summarising und their use, 2 summarising und their use, 2 summarising
615J2R1 Grammatical Structechnical text contechnical text contechnical Structechnical text contechnical text contechnical text contechnical text contechnical Structechnical Structechnica	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - Spanish 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - English 2 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, features and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, features and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, features and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, features and Style.	Z feedback skills, s anical registers a Z feedback skills, s anical registers a Z feedback skills, s	2 summarising und their use, 2 summarising und their use, 2 summarising
615J2R1 Grammatical Structechnical text contechnical text contechnical Structechnical text contechnical text contechnical text contechnical text contechnical Structechnical Structechnica	language of management. Language - Russian 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - Spanish 1 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of foreign language and practical application, formal and tech language of management. Language - English 2 ctures and Style. Selection of conversation topics relating to transportation sciences. Developing perceptive and communicative skills, fent, structuring presentations and meeting minutes, elementary rhetorics of English and practical application, formal and technical register.	Z feedback skills, s anical registers a Z feedback skills, s anical registers a Z feedback skills, s	2 summarising und their use, 2 summarising und their use, 2 summarising
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617XN4	Master Project 4	Z	8
617XNDD	Master Thesis for study programme DS	Z	18
618GAZ	Geomechanics and Foundation Engineering	Z,ZK	3
	rographyand stratigraphy), mechanics of soils (classification of fundamental soils, mechanic properties of fundamental s		
(footings, footers, plates	s, depth of founding), determination of planar foundations bearing and deformation, depth foundations classification of c	lepth foundations element	s, examples
	of their use, piles (classification, technology od performing).		
618TEAM	Theoretical and Applied Mechanics	Z,ZK	4
Fundamentals of theor	ry of plasticity. Plasticity conditions. Elastoplastic and plastic states of cross-sections and beams. Reliability and durability		and strain
	state around a notch. Stress intensity factor. Fracture toughness. Energy methods of linear fracture mechanics. Crack		
618TIK	Theory of Engineering Structures	Z,ZK	4
•	the knowledge gained in basic mechanics courses in bachelor study (especially Statics and Elasticity) in the field of math	•	
is placed on plane and	axisymmetric problems, as well as on the calculation of stress and strain in plates and shells. Students are further acque behavior of subsoil used in the design of line structures.	uainted with methods of m	loaeling the
618XN1		7	
	Master Project 1	Z	2
618XN2	Master Project 2	Z	2
618XN3	Master Project 3	Z	1
618XN4	Master Project 4	Z	8
618XNDD	Master Thesis for study programme DS	Z	18
620XN1	Master Project 1	Z	2
620XN2	Master Project 2	Z	2
620XN3	Master Project 3	Z	1
620XN4	Master Project 4	Z	8
620XNDD	Master Thesis for study programme DS	Z	18
621XN1	Master Project 1	Z	2
621XN2	Master Project 2	Z	2
621XN3	Master Project 3	Z	1
621XN4	Master Project 4	Z	8
621XNDD	Master Thesis for study programme DS	Z	18
622AMMD	Measuring Methods Applied to Transportation	KZ	4
-	echnical processing of traffic route with geodetic total station, GPS and photogrammetry, 3D scanning. Transport corrido	I	itic methods
	processing of several vehicle dynamic characteristics using high-speed cameras and accelerometers. It is a week cours		
	and September - usually in examination period.		
622MSV	Modelling and Vehicle Movement Simulation	KZ	2
Principles and posibilities	s of simulation tools with regards to vehicle movement analysis and vehicle crash analysis. Kinematic and dynamic modelli	ng of vehicle/set of vehicle	s movemen
	View conditions. Proposed road space passage. Processing of road 3D models.		
622XN1	Master Project 1	Z	2
622XN2	Master Project 2	Z	2
622XN3	Master Project 3	Z	1
622XN4	Master Project 4	Z	8
622XNDD	Master Thesis for study programme DS	Z	18

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